



Building knowledge

Job Order Contract Construction Task Catalog®

Volume IIB CSI Divisions 23 - 40 January 2019

Dormitory Authority of the State of New York
Downstate



DASNY



This Page Intentionally Left Blank

00 Using The Construction Task Catalog®	1
<hr/>	
01 General Requirements	1
01 20 Price And Payment Procedures	1
01 22 Unit Prices	1
01 40 Quality Requirements	30
01 45 Quality Control	30
01 50 Temporary Facilities And Controls	33
01 51 Temporary Utilities	33
01 52 Construction Facilities	34
01 54 Construction Aids	35
01 55 Vehicular Access And Parking	38
01 56 Temporary Barriers And Enclosures	40
01 57 Temporary Controls	47
01 58 Project Identification	47
01 60 Product Requirements	48
01 66 Product Storage And Handling Requirements	48
01 70 Execution And Closeout Requirements	49
01 71 Examination And Preparation	49
01 74 Cleaning And Waste Management	50
<hr/>	
02 Existing Conditions	1
02 20 Assessment	1
02 25 Existing Material Assessment	1
02 30 Subsurface Investigation	1
02 32 Geotechnical Investigations	1
02 40 Demolition And Structure Moving	1
02 41 Demolition	1
02 42 Removal And Salvage Of Construction Materials	15
02 43 Structure Moving	15
02 50 Site Remediation	15
02 58 Snow Control	15
02 60 Contaminated Site Material Removal	15
02 61 Removal And Disposal Of Contaminated Soils	15
02 65 Underground Storage Tank Removal	16
02 80 Facility Remediation	17
02 82 Asbestos Remediation	17
02 83 Lead Remediation	23
02 84 Polychlorinate Biphenyl Remediation	25
02 87 Bio-Hazard Material Remediation	25
02 89 Hazmat Ancillary Tasks And Support	28
02 90 Disaster Recovery	28
02 90 50 Cleaning And Emergency Clean-up	28
<hr/>	
03 Concrete	1
03 01 Maintenance Of Concrete	1
03 01 30 Maintenance Of Cast-In-Place Concrete	1
03 05 Common Work Results For Concrete	2
03 10 Concrete Forming And Accessories	2
03 11 Concrete Forming	2
03 15 Concrete Accessories	5
03 20 Concrete Reinforcing	15
03 21 Reinforcement Bars	15
03 22 Fabric And Grid Reinforcing	23
03 30 Cast-In-Place Concrete	24
03 31 Structural Concrete	24
03 35 Concrete Finishing	41
03 37 Specialty Placed Concrete	44
03 39 Concrete Curing	45
03 40 Precast Concrete	45
03 48 Precast Concrete Specialties	45
03 50 Cast Decks And Underlayment	46
03 54 Cast Underlayment	46

Table of Contents

03 60 Grouting	46
03 61 Cementitious Grouting	46
03 62 Non-Shrink Grouting	46
03 64 Injection Grouting	47
03 80 Concrete Cutting And Boring	47
03 81 Concrete Cutting	47
03 82 Concrete Boring	47
04 Masonry	1
04 01 Maintenance Of Masonry	1
04 01 20 Maintenance Of Unit Masonry	1
04 01 50 Maintenance Of Refractory Masonry	9
04 05 Common Work Results For Masonry	10
04 05 13 Masonry Mortaring	10
04 05 16 Masonry Grouting	10
04 05 19 Masonry Anchorage And Reinforcing	10
04 05 23 Masonry Accessories	34
04 05 26 Masonry Scaffolding	36
04 20 Unit Masonry	36
04 21 Clay Unit Masonry	36
04 22 Concrete Unit Masonry	38
04 23 Glass Unit Masonry	42
04 40 Stone Assemblies	43
04 43 Stone Masonry	43
04 50 Refractory Masonry	44
04 51 Flue Liner Masonry	44
04 70 Manufactured Masonry	44
04 72 Cast Stone Masonry	44
05 Metals	1
05 05 Common Work Results For Metals	1
05 05 19 Post-Installed Concrete Anchors	1
05 05 23 Metal Fastenings	11
05 10 Structural Metal Framing	72
05 12 Structural Steel Framing	72
05 14 Structural Aluminum Framing	118
05 20 Metal Joists	118
05 21 Steel Joist Framing	118
05 30 Metal Decking	119
05 31 Steel Decking	119
05 36 Composite Metal Decking	122
05 40 Cold-Formed Metal Framing	125
05 41 Structural Metal Stud Framing	125
05 42 Cold-Formed Metal Joist Framing	126
05 43 Slotted Channel Framing	126
05 45 Metal Support Assemblies	128
05 50 Metal Fabrications	128
05 51 Metal Stairs	128
05 52 Metal Railings	130
05 53 Metal Gratings	134
05 54 Metal Floor Plates	141
05 55 Metal Stair Treads And Nosings	142
05 58 Formed Metal Fabrications	143
05 59 Metal Specialties	144
05 70 Decorative Metal	144
05 75 Decorative Formed Metal	144
06 Wood, Plastics, and Composites	1
06 05 Common Work Results For Wood, Plastics, And Composites	1
06 05 23 Wood, Plastic, And Composite Fastenings	1
06 05 73 Wood Treatment	16
06 10 Rough Carpentry	16
06 11 Wood Framing	16
06 13 Heavy Timber Construction	21
06 16 Sheathing	22
06 17 Shop-Fabricated Structural Wood	27

06 18 Glued-Laminated Construction	32
06 20 Finish Carpentry.....	33
06 22 Millwork	33
06 40 Architectural Woodwork	34
06 41 Architectural Wood Casework.....	34
06 42 Wood Paneling	40
06 46 Wood Trim	40
06 50 Structural Plastics	41
06 51 Structural Plastic Shapes And Plates.....	41
06 53 Plastic Decking	47
06 60 Plastic Fabrications	47
06 65 Plastic Trim.....	47
06 70 Structural Composites.....	48
06 74 Composite Gratings	48
06 80 Composite Fabrications.....	49
06 82 Composite Trim	49
06 83 Composite Paneling.....	51
07 Thermal And Moisture Protection	1
07 01 Operation And Maintenance Of Thermal And Moisture Protection	1
07 01 50 Maintenance Of Membrane Roofing.....	1
07 05 Common Work Results For Thermal And Moisture Protection	1
07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work.....	1
07 10 Dampproofing And Waterproofing	1
07 11 Dampproofing	1
07 13 Sheet Waterproofing.....	2
07 14 Fluid-Applied Waterproofing.....	3
07 16 Cementitious And Reactive Waterproofing.....	4
07 17 Bentonite Waterproofing	4
07 19 Water Repellents	4
07 20 Thermal Protection.....	5
07 21 Thermal Insulation	5
07 22 Roof And Deck Insulation	10
07 24 Exterior Insulation And Finish Systems	20
07 25 Weather Barriers	23
07 26 Vapor Retarders	23
07 27 Air Barriers	23
07 30 Steep Slope Roofing	23
07 31 Shingles And Shakes.....	23
07 32 Roof Tiles	29
07 34 Roofing Underlayment	31
07 40 Roofing And Siding Panels.....	33
07 41 Roof Panels.....	33
07 42 Wall Panels.....	36
07 46 Siding	37
07 50 Membrane Roofing.....	41
07 51 Built-Up Bituminous Roofing	41
07 52 Modified Bituminous Membrane Roofing.....	47
07 53 Elastomeric Membrane Roofing	53
07 54 Thermoplastic Membrane Roofing	55
07 56 Fluid-Applied Roofing	58
07 57 Coated Foamed Roofing.....	58
07 58 Roll Roofing.....	60
07 59 Membrane Roofing Accessories	60
07 60 Flashing And Sheet Metal	60
07 61 Sheet Metal Roofing	60
07 62 Sheet Metal Flashing And Trim.....	62
07 63 Sheet Metal Roofing Specialties	67
07 65 Flexible Flashing.....	68
07 70 Roof And Wall Specialties And Accessories.....	68
07 71 Roof Specialties.....	68
07 72 Roof Accessories.....	83
07 73 Roof Protection Board.....	108
07 76 Roof Pavers.....	109
07 80 Fire And Smoke Protection.....	110
07 81 Applied Fireproofing.....	110
07 84 Firestopping.....	111
07 90 Joint Protection	116

Table of Contents

07 91 Preformed Joint Seals	116
07 92 Joint Sealants	118
07 95 Expansion Control	119
08 Openings	1
08 01 Operation And Maintenance Of Openings	1
08 01 50 Operation And Maintenance Of Windows	1
08 01 80 Maintenance of Glazing	1
08 05 Common Work Results For Openings	1
08 05 13 Door Options And Modifications	1
08 10 Doors And Frames	2
08 11 Metal Doors And Frames	2
08 12 Metal Frames	2
08 13 Metal Doors	25
08 14 Wood Doors	44
08 16 Composite Doors	98
08 30 Specialty Doors And Frames	103
08 31 Access Doors And Panels	103
08 33 Coiling Doors And Grilles	104
08 34 Special Function Doors	121
08 36 Panel Doors	124
08 38 Traffic Doors	131
08 40 Entrances, Storefronts, And Curtain Walls	146
08 42 Entrances	146
08 43 Storefronts	147
08 50 Windows	147
08 51 Metal Windows	147
08 52 Wood Windows	164
08 53 Plastic Windows	199
08 56 Special Function Windows	226
08 60 Roof Windows And Skylights	229
08 62 Unit Skylights	229
08 63 Metal-Framed Skylights	234
08 66 Wood-Framed Skylights	239
08 70 Hardware	240
08 71 Door Hardware	240
08 80 Glazing	340
08 81 Glass Glazing	340
08 83 Mirrors	350
08 84 Plastic Glazing	351
08 87 Glazing Surface Films	353
08 88 Special Function Glazing	354
08 90 Louvers And Vents	355
08 91 Louvers	355
08 95 Vents	385
09 Finishes	1
09 01 Maintenance Of Finishes	1
09 01 20 Maintenance Of Plaster And Gypsum Board	1
09 01 30 Maintenance of Tiling	1
09 20 Plaster And Gypsum Board	1
09 21 Plaster And Gypsum Board Assemblies	1
09 22 Supports For Plaster And Gypsum Board	1
09 23 Gypsum Plastering	9
09 24 Cement Plastering	11
09 28 Backing Boards And Underlayments	12
09 29 Gypsum Board	12
09 30 Tiling	20
09 30 13 Ceramic Tiling	20
09 30 16 Quarry Tiling	21
09 31 Thin-Set Tiling	22
09 32 Mortar-Bed Tiling	22
09 34 Waterproofing-Membrane Tiling	22
09 35 Chemical-Resistant Tiling	23
09 39 Tiling Transitions And Accessories	23
09 50 Ceilings	23
09 51 Acoustical Ceilings	23

09 53 Acoustical Ceiling Suspension Assemblies	33
09 54 Specialty Ceilings	35
09 60 Flooring.....	36
09 61 Flooring Treatment	36
09 63 Masonry Flooring	36
09 64 Wood Flooring	37
09 65 Resilient Flooring.....	40
09 66 Terrazzo Flooring.....	47
09 67 Fluid-Applied Flooring.....	49
09 68 Carpeting.....	50
09 70 Wall Finishes.....	57
09 72 Wall Coverings	57
09 73 Wall Carpeting.....	57
09 80 Acoustic Treatment	58
09 81 Acoustic Insulation.....	58
09 84 Acoustic Room Components.....	58
09 85 Acoustic Sound Deadening.....	59
09 90 Painting And Coating	59
09 91 Painting	59
09 92 Factory Finish	123
09 93 Staining And Transparent Finishing	123
09 96 High-Performance Coatings.....	125
09 97 Special Coatings.....	126
10 Specialties	1
10 10 Information Specialties	1
10 11 Visual Display Units	1
10 13 Directories	7
10 14 Signage	10
10 20 Interior Specialties.....	18
10 21 Compartments And Cubicles	18
10 22 Partitions	39
10 26 Wall And Door Protection.....	41
10 28 Toilet, Bath, And Laundry Accessories.....	51
10 40 Safety Specialties.....	59
10 41 Emergency Access And Information Cabinets	59
10 44 Fire Protection Specialties	60
10 50 Storage Specialties	65
10 51 Lockers.....	65
10 70 Exterior Specialties	78
10 75 Flagpoles.....	78
10 80 Other Specialties.....	81
10 81 Pest Control Devices	81
10 86 Security Mirrors And Domes	81
11 Equipment	1
11 10 Vehicle And Pedestrian Equipment	1
11 13 Loading Dock Equipment.....	1
11 30 Residential Equipment	5
11 30 13 Residential Appliances.....	5
11 30 33 Retractable Stairs	8
11 50 Educational And Scientific Equipment	8
11 52 Audio-Visual Equipment.....	8
11 60 Entertainment and Recreation Equipment	14
11 66 Athletic Equipment.....	14
11 68 Play Field Equipment And Structures.....	14
11 80 Facility Maintenance and Operation Equipment.....	33
11 81 Maintenance Equipment	33
11 90 Other Equipment	33
11 98 Detention Equipment	33
12 Furnishings	1
12 01 Operation And Maintenance Of Furnishings.....	1
12 01 60 Operation And Maintenance Of Multiple Seating.....	1
12 20 Window Treatments	1
12 21 Window Blinds	1

Table of Contents

12 24 Window Shades.....	1
12 30 Casework.....	2
12 31 Manufactured Metal Casework.....	2
12 35 Specialty Casework.....	6
12 36 Countertops.....	8
12 50 Furniture.....	8
12 55 Detention Furniture.....	8
12 60 Multiple Seating.....	9
12 61 Fixed Audience Seating.....	9
12 66 Telescoping Stands.....	10
13 Special Construction.....	1
13 20 Special Purpose Rooms.....	1
13 26 Fabricated Rooms.....	1
13 30 Special Structures.....	1
13 34 Fabricated Engineered Structures.....	1
13 40 Integrated Construction.....	2
13 47 Facility Protection.....	2
13 48 Sound, Vibration, And Seismic Control.....	2
14 Conveying Equipment.....	1
14 01 Operation And Maintenance Of Conveying Equipment.....	1
14 01 20 Operation And Maintenance Of Elevators.....	1
14 20 Elevators.....	2
14 21 Electric Traction Elevators.....	3
14 24 Hydraulic Elevators.....	4
14 26 Limited-Use/Limited-Application Elevators.....	5
14 40 Lifts.....	5
14 42 Wheelchair Lifts.....	6
21 Fire Suppression.....	1
21 01 Operation and Maintenance of Fire Suppression.....	1
21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems.....	1
21 01 30 Operation and Maintenance of Fire-Suppression Equipment.....	1
21 05 Common Work Results for Fire Suppression.....	1
21 05 13 Common Motor Requirements For Fire-Suppression Equipment.....	1
21 05 16 Expansion Fittings And Loops For Fire-Suppression Piping.....	1
21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping.....	1
21 05 19 Meters And Gages For Fire-Suppression Systems.....	1
21 05 23 General-Duty Valves For Water-Based Fire-Suppression Piping.....	2
21 05 29 Hangers And Supports For Fire-Suppression Piping And Equipment.....	2
21 05 48 Vibration And Seismic Controls for Fire-Suppression Piping and Equipment.....	2
21 05 53 Identification For Fire-Suppression Piping And Equipment.....	2
21 07 Fire-Suppression Systems Insulation.....	2
21 07 19 Fire-Suppression Piping Insulation.....	2
21 10 Water-Based Fire-Suppression Systems.....	2
21 11 Facility Fire-Suppression Water-Service Piping.....	2
21 12 Fire-Suppression Standpipes.....	2
21 13 Fire-Suppression Sprinkler Systems.....	3
21 16 Fire-Suppression Pressure Maintenance Pumps.....	28
21 20 Fire-Extinguishing Systems.....	28
21 21 Carbon-Dioxide Fire-Extinguishing Systems.....	28
21 22 Clean-Agent Fire-Extinguishing Systems.....	29
21 23 Wet-Chemical Fire-Extinguishing Systems.....	37
21 24 Dry-Chemical Fire-Extinguishing Systems.....	40
21 30 Fire Pumps.....	42
21 40 Fire-Suppression Water Storage.....	42
21 41 Storage Tanks For Fire-Suppression Water.....	42
22 Plumbing.....	1
22 01 Operation and Maintenance of Plumbing.....	1
22 01 10 Operation And Maintenance Of Plumbing Piping And Pumps.....	1
22 01 40 Operation and Maintenance of Plumbing Fixtures.....	1
22 05 Common Work Results for Plumbing.....	2
22 05 13 Common Motor Requirements For Plumbing Equipment.....	2

22 05 16 Expansion Fittings And Loops For Plumbing Piping	2
22 05 17 Sleeves and Sleeve Seals for Plumbing Piping	2
22 05 19 Meters And Gages For Plumbing Piping	2
22 05 23 General-Duty Valves For Plumbing Piping	2
22 05 29 Hangers And Supports For Plumbing Piping And Equipment	2
22 05 33 Heat Tracing For Plumbing Piping	2
22 05 48 Vibration And Seismic Controls For Plumbing Piping And Equipment	2
22 05 53 Identification For Plumbing Piping And Equipment	2
22 05 76 Facility Drainage Piping Cleanouts.....	2
22 07 Plumbing Insulation.....	5
22 07 16 Plumbing Equipment Insulation.....	5
22 07 19 Plumbing Piping Insulation.....	5
22 10 Plumbing Piping.....	32
22 11 Facility Water Distribution	32
22 12 Facility Potable-Water Storage Tanks.....	85
22 13 Facility Sanitary Sewerage	87
22 14 Facility Storm Drainage.....	131
22 15 General Service Compressed-Air Systems	139
22 30 Plumbing Equipment.....	143
22 31 Domestic Water Softeners	143
22 32 Domestic Water Filtration Equipment.....	145
22 33 Electric Domestic Water Heaters	146
22 34 Fuel-Fired Domestic Water Heaters.....	148
22 35 Domestic Water Heat Exchangers	151
22 40 Plumbing Fixtures	152
22 41 Residential Plumbing Fixtures.....	152
22 42 Commercial Plumbing Fixtures	152
22 43 Healthcare Plumbing Fixtures	165
22 45 Emergency Plumbing Fixtures	166
22 46 Security Plumbing Fixtures	169
22 47 Drinking Fountains And Water Coolers	169
22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities	172
22 63 Gas Systems For Laboratory And Healthcare Facilities	172
22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities.....	172
23 Heating, Ventilating, And Air-Conditioning (HVAC)	1
23 01 Operation and Maintenance of HVAC Systems	1
23 01 10 Operation and Maintenance of Facility Fuel Systems.....	1
23 01 20 Operation and Maintenance of HVAC Piping and Pumps.....	1
23 01 30 Operation and Maintenance of HVAC Air Distribution	2
23 01 50 Operation and Maintenance of Central Heating Equipment.....	2
23 01 60 Operation and Maintenance of Central Cooling Equipment.....	3
23 05 Common Work Results For HVAC	4
23 05 13 Common Motor Requirements For HVAC Equipment	4
23 05 16 Expansion Fittings And Loops For HVAC Piping.....	7
23 05 17 Sleeves and Sleeve Seals for HVAC Piping.....	8
23 05 19 Meters And Gages For HVAC Piping	8
23 05 23 General-Duty Valves For HVAC Piping	11
23 05 29 Hangers And Supports For HVAC Piping And Equipment.....	30
23 05 33 Heat Tracing For HVAC Piping	54
23 05 48 Vibration and Seismic Controls for HVAC	54
23 05 53 Identification For HVAC Piping And Equipment.....	58
23 05 93 Testing, Adjusting, And Balancing For HVAC.....	59
23 07 HVAC Insulation.....	61
23 07 13 Duct Insulation	61
23 07 16 HVAC Equipment Insulation.....	63
23 07 19 HVAC Piping Insulation.....	63
23 08 Commissioning Of HVAC	66
23 09 Instrumentation And Control For HVAC.....	66
23 09 13 Instrumentation And Control Devices For HVAC	66
23 09 23 Direct-Digital Control System For HVAC.....	67
23 10 Facility Fuel Systems	83
23 11 Facility Fuel Piping.....	83
23 12 Facility Fuel Pumps	95
23 13 Facility Fuel-Storage Tanks	96
23 20 HVAC Piping And Pumps.....	105
23 21 Hydronic Piping And Pumps	105
23 22 Steam And Condensate Piping And Pumps.....	183

Table of Contents

23 23 Refrigerant Piping.....	188
23 25 HVAC Water Treatment.....	193
23 30 HVAC Air Distribution.....	193
23 31 HVAC Ducts And Casings	193
23 33 Air Duct Accessories.....	216
23 34 HVAC Fans	257
23 35 Special Exhaust Systems	272
23 36 Air Terminal Units	273
23 37 Air Outlets And Inlets	275
23 38 Ventilation Hoods	285
23 40 HVAC Air Cleaning Devices	285
23 41 Particulate Air Filtration.....	285
23 42 Gas-Phase Air Filtration.....	287
23 44 Ultraviolet HVAC Microbial Control	288
23 50 Central Heating Equipment	289
23 51 Breechings, Chimneys, And Stacks	289
23 52 Heating Boilers	309
23 53 Heating Boiler Feedwater Equipment.....	326
23 54 Furnaces	327
23 55 Fuel-Fired Heaters.....	329
23 57 Heat Exchangers for HVAC	332
23 60 Central Cooling Equipment	334
23 61 Refrigerant Compressors.....	334
23 62 Packaged Compressor and Condenser Units	335
23 63 Refrigerant Condensers.....	336
23 64 Packaged Water Chillers	338
23 65 Cooling Towers.....	341
23 70 Central HVAC Equipment.....	345
23 71 Thermal Storage.....	345
23 72 Air-To-Air Energy Recovery Equipment	345
23 73 Indoor Central-Station Air-Handling Units	345
23 74 Packaged Outdoor HVAC Equipment	362
23 80 Decentralized Unitary HVAC Equipment	367
23 81 Decentralized Unitary HVAC Equipment	367
23 82 Convection Heating And Cooling Units	378
23 83 Radiant Heating Units.....	392
23 84 Humidity Control Equipment	392

26 Electrical 1

26 01 Operation and Maintenance of Electrical Systems.....	1
26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution	1
26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution.....	2
26 01 50 Operation and Maintenance of Lighting.....	2
26 05 Common Work Results For Electrical.....	22
26 05 13 Medium-Voltage Cables.....	22
26 05 19 Low-Voltage Electrical Power Conductors And Cables	27
26 05 23 Control-Voltage Electrical Power Cables.....	41
26 05 26 Grounding And Bonding For Electrical Systems.....	41
26 05 29 Hangers And Supports For Electrical Systems.....	45
26 05 33 Raceway And Boxes For Electrical Systems.....	65
26 05 39 Underfloor Raceways for Electrical Systems.....	156
26 05 43 Underground Ducts And Raceways For Electrical Systems	158
26 05 46 Utility Poles for Electrical Systems	159
26 05 53 Identification for Electrical Systems.....	166
26 05 83 Wiring Connections.....	166
26 09 Instrumentation and Control for Electrical Systems	169
26 09 23 Lighting Control Devices	169
26 10 Medium-Voltage Electrical Distribution	186
26 11 Substations.....	186
26 12 Medium-Voltage Transformers.....	193
26 13 Medium-Voltage Switchgear.....	195
26 18 Medium-Voltage Circuit Protection Devices	197
26 20 Low-Voltage Electrical Distribution	197
26 21 Low-Voltage Electrical Service Entrance.....	197
26 22 Low-Voltage Transformers.....	198
26 24 Switchboards And Panelboards	205
26 25 Enclosed Bus Assemblies	259
26 26 Power Distribution Units.....	262

26 27 Low-Voltage Distribution Equipment	263
26 28 Low-Voltage Circuit Protective Devices.....	279
26 29 Low-Voltage Controllers.....	298
26 30 Facility Electrical Power Generating And Storing Equipment	314
26 31 Photovoltaic Collectors	314
26 32 Packaged Generator Assemblies	317
26 33 Battery Equipment	321
26 35 Power Filters And Conditioners.....	323
26 36 Transfer Switches	323
26 40 Electrical And Cathodic Protection	326
26 41 Facility Lightning Protection	326
26 43 Surge Protective Devices.....	327
26 50 Lighting.....	330
26 51 Interior Lighting.....	330
26 52 Safety Lighting.....	352
26 53 Exit Signs	354
26 55 Special Purpose Lighting	355
26 56 Exterior Lighting.....	357
27 Communications	1
27 05 Common Work Results for Communications	1
27 05 26 Grounding and Bonding for Communications Systems.....	1
27 05 29 Hangers And Supports For Communications Systems	1
27 05 33 Conduits And Backboxes For Communications Systems	4
27 05 39 Surface Raceways For Communications Systems	4
27 05 43 Underground Ducts And Raceways For Communications Systems.....	4
27 05 46 Utility Poles For Communications Systems	4
27 05 53 Identification For Communications Systems.....	4
27 10 Structured Cabling	4
27 11 Communications Equipment Room Fittings.....	4
27 14 Communications Cabling.....	10
27 16 Communications Connecting Cords, Devices, And Adapters	41
27 20 Data Communications.....	42
27 21 Data Communications Network Equipment.....	42
27 50 Distributed Communications And Monitoring Systems.....	44
27 51 Distributed Audio-Video Communications Systems.....	44
28 Electronic Safety And Security	1
28 05 Common Work Results For Electronic Safety And Security	1
28 05 14 Conductors And Cables For Electronic Safety And Security.....	1
28 05 26 Grounding And Bonding For Electronic Safety And Security	3
28 05 28 Pathways For Electronic Safety And Security.....	3
28 05 53 Identification For Electronic Safety And Security.....	3
28 10 Access Control.....	3
28 15 Access Control Hardware Devices.....	3
28 16 Access Control Interfaces	4
28 20 Video Surveillance	10
28 21 Surveillance Cameras.....	10
28 40 Life Safety	27
28 42 Gas Detection and Alarm.....	27
28 43 Fuel Oil Detection And Alarm.....	27
28 46 Fire Detection And Alarm.....	27
28 49 Electronic Personal Protection Systems.....	63
31 Earthwork	1
31 05 Common Work Results For Earthwork	1
31 05 16 Aggregates For Earthwork	1
31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization.....	2
31 10 Site Clearing	2
31 11 Clearing And Grubbing	2
31 13 Selective Tree And Shrub Removal And Trimming	2
31 20 Earth Moving.....	3
31 23 Excavation And Fill	3
31 24 Embankments.....	8
31 25 Erosion And Sedimentation Controls	9
31 30 Earthwork Methods	12

Table of Contents

31 31 Soil Treatment	12
31 32 Soil Stabilization	12
31 35 Slope Protection	14
31 36 Gabions.....	14
31 37 Riprap.....	14
31 40 Shoring And Underpinning	15
31 41 Shoring.....	15
31 45 Vibroflotation And Densification	15
31 60 Special Foundations And Load-bearing Elements	16
31 63 Bored Piles.....	16
32 Exterior Improvements	1
32 01 Operation And Maintenance Of Exterior Improvements.....	1
32 01 11 Paving Cleaning.....	1
32 01 13 Flexible Paving Surface Treatment	1
32 01 16 Flexible Paving Rehabilitation	2
32 01 17 Flexible Paving Repair.....	3
32 01 26 Rigid Paving Rehabilitation	4
32 01 90 Operation And Maintenance Of Planting	5
32 10 Bases, Ballasts, And Paving.....	7
32 11 Base Courses	7
32 12 Flexible Paving	8
32 13 Rigid Paving	10
32 14 Unit Paving	13
32 16 Curbs, Gutters, Sidewalks, And Driveways	16
32 17 Paving Specialties	21
32 18 Athletic And Recreational Surfacing.....	29
32 30 Site Improvements	34
32 31 Fences And Gates.....	34
32 32 Retaining Walls.....	85
32 33 Site Furnishings.....	86
32 39 Manufactured Site Specialties.....	92
32 80 Irrigation.....	94
32 84 Planting Irrigation.....	94
32 90 Planting.....	101
32 91 Planting Preparation	101
32 92 Turf And Grasses	104
32 93 Plants	107
32 94 Planting Accessories	138
32 96 Transplanting.....	140
33 Utilities	1
33 01 Operation And Maintenance Of Utilities.....	1
33 01 10 Operation And Maintenance Of Water Utilities	1
33 01 30 Operation And Maintenance Of Sewer Utilities.....	2
33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems	19
33 05 Common Work Results For Utilities.....	19
33 05 07 Trenchless Installation of Utility Piping	19
33 05 61 Concrete Manholes.....	21
33 05 63 Concrete Vaults and Chambers	23
33 05 84 Accessories for Utility Structures.....	31
33 05 97 Identification and Signage for Utilities	34
33 10 Water Utilities.....	34
33 14 Water Utility Transmission and Distribution.....	34
33 16 Water Utility Storage Tanks	112
33 19 Water Utility Metering Equipment.....	112
33 30 Sanitary Sewerage Utilities	113
33 31 Sanitary Sewerage Piping.....	113
33 32 Sanitary Sewerage Equipment.....	117
33 34 Onsite Wastewater Disposal.....	117
33 40 Stormwater Utilities	118
33 41 Subdrainage.....	119
33 42 Stormwater Conveyance.....	120
33 44 Storm Utility Water Drains.....	170
33 50 Hydrocarbon Utilities	172
33 52 Hydrocarbon Transmission and Distribution.....	172
33 53 Hydrocarbon Utility Pressure Regulation.....	173

33 56 Hydrocarbon Storage.....	173
33 59 Hydrocarbon Utility Metering.....	173
33 60 Hydronic And Steam Energy Utilities.....	174
33 61 Hydronic Energy Distribution.....	174
33 70 Electrical Utilities.....	191
33 71 Electrical Utility Transmission And Distribution.....	191
34 Transportation	1
<hr/>	
34 40 Transportation Signaling and Control Equipment.....	1
34 41 Roadway Signaling and Control Equipment.....	1
34 70 Transportation Construction And Equipment.....	1
34 71 Roadway Construction.....	1
40 Process Interconnections	1
<hr/>	
40 05 Common Work Results For Process Interconnections.....	1
40 05 19 Ductile Iron Process Pipe.....	1
40 05 23 Stainless Steel Process Pipe and Tubing.....	183
40 05 71 Solids Handling Valves.....	214
40 20 Liquids Process Piping.....	215
40 23 Water and Wastewater Process Piping.....	215

THIS PAGE INTENTIONALLY LEFT BLANK

About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **Dormitory Authority State of New York**, priced locally using current labor, material and equipment costs, and published in January 2019.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Dormitory Authority State of New York**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

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



The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 1/2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task;

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

EQUIPMENT COSTS:

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

MATERIAL COSTS:

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

The Adjustment Factors Include:

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

BUSINESS COSTS:

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

Using The Construction Task Catalog®

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

PROJECT RELATED COSTS:

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

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

PRICE VARIATIONS:

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

SUMMARY:

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

Unit Price X Quantity X Adjustment Factor

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

General Rules:

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

lift material onto a roof, even if that roof is less than 2 ½ stories, the contractor will be paid for such crane or lifting equipment as a separate task.

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

DEMOLITION:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 ½

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

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

WORKING HEIGHT:

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

FIELD ENGINEERING:

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

Using The Construction Task Catalog®

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

ASSEMBLIES:

- ☑ Assembly tasks take precedence over individual component tasks.

RESTRICTED AND CONFINED SPACES:

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

TECHNICAL SPECIFICATIONS:

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

Or Equals:

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

Useful Information:

UNIT OF MEASURE DEFINITIONS:

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

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

MATERIAL WEIGHTS:

EARTHEN MATERIAL

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

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

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

BULK FACTORS FOR DEMOLITION:

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

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

CONVERSIONS:

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

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

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

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

Using The Construction Task Catalog®

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

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

TRADEMARKS

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

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

STANDARD GEOMETRY:

Circle

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

Cylinder

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

Sphere

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

$\pi = 3.14159$

United Inch

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

23 Heating, Ventilating, And Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

23 01 Operation and Maintenance of HVAC Systems ⁽²³⁾

23 01 10 Operation and Maintenance of Facility Fuel Systems ^(23 01)

23 01 10 91 Facility Fuel Systems Restoration ^(23 01 10)

23 01 10 91-0001 Purge Gas Systems ^(23 01 10 91)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	602.99
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	860.88
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	902.63
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	993.85
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	1,799.30
23 01 10 91-0007	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	808.42
23 01 10 91-0008	EA	>100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,158.74
23 01 10 91-0009	EA	>250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,219.66
23 01 10 91-0010	EA	>500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,352.65
23 01 10 91-0011	EA	>1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	2,454.08
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems.....	943.72
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems.....	1,371.69
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems.....	3,161.06
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	4,901.06
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	9,190.46

23 01 20 Operation and Maintenance of HVAC Piping and Pumps ^(23 01)

23 01 20 91 HVAC Piping And Pumps Restoration ^(23 01 20)

23 01 20 91-0001 Lock Out/Tag Out System ^(23 01 20 91)

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve.....	30.78
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve.....	36.93
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve.....	43.09
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve.....	49.24
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve.....	61.55
23 01 20 91-0007	EA	Lock Out/Tag Out Padlock System.....	24.62
23 01 20 91-0008	EA	Lock Out/Tag Out Tag.....	3.63

23 01 20 91-0009 Freeze Pipe Using CO2 Kit ^(23 01 20 91)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit.....	151.03
------------------	----	---	--------

23 01 20 91-0011 Freeze Pipe Using Nitrogen ^(23 01 20 91)

Note: For use on any water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 4" Pipe Freezing Using Nitrogen.....	1,453.12
		Note: For each location. Includes freezing on each side of valve or fitting.	
23 01 20 91-0013	EA	>4" To 12" Pipe Freezing Using Nitrogen.....	2,906.25
		Note: For each location. Includes freezing on each side of valve or fitting.	

23 01 20 91-0014 Water/Chlorine Pipe Disinfection/Flush/Testing ^(23 01 20 91)

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0015	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing.....	2.00
23 01 20 91-0016	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing.....	2.72
23 01 20 91-0017	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing.....	4.17
23 01 20 91-0018	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing.....	5.69
23 01 20 91-0019	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing.....	6.96
23 01 20 91-0020	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing.....	8.77
23 01 20 91-0021	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing.....	11.59
23 01 20 91-0022	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing.....	13.91

23 01 20 91-0023 Shut Down Existing Piping System ^(23 01 20 91)

23 01 20 91-0024	EA	Shut Down Existing Interior Piping System.....	243.08
		Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	

23 01 20 91-0025 Purge Liquid Systems ^(23 01 20 91)

Note: Includes collection and refilling/bleeding of system.

23 01 20 91-0026	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	429.96
23 01 20 91-0027	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	614.06
23 01 20 91-0028	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	735.77
23 01 20 91-0029	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	777.82
23 01 20 91-0030	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	1,484.91
23 01 20 91-0031	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	572.32

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 01 20 91-0032	EA	>100 To 250', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	816.70
23 01 20 91-0033	EA	>250 To 500', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	972.26
23 01 20 91-0034	EA	>500 To 1,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	1,033.80
23 01 20 91-0035	EA	>1,000 To 2,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	1,991.95
23 01 20 91-0036	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Liquid System.....	705.58
23 01 20 91-0037	EA	>100 To 250', >4" To 10" Diameter Pipe, Purge Liquid System.....	1,008.27
23 01 20 91-0038	EA	>250 To 500', >4" To 10" Diameter Pipe, Purge Liquid System.....	2,762.29
23 01 20 91-0039	EA	>1,000 To 2,000', >4" To 10" Diameter Pipe, Purge Liquid System.....	4,383.63

23 01 20 91-0040 Add-A-Valve Emergency Shut Off Device (23 01 20 91)

23 01 20 91-0041	EA	1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD).....	242.47
23 01 20 91-0042	EA	3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD).....	303.87
23 01 20 91-0043	EA	1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD).....	414.77
23 01 20 91-0044	EA	1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD).....	621.58
23 01 20 91-0045	EA	1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD).....	763.23
23 01 20 91-0046	EA	2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD).....	1,135.36

23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)**23 01 30 41 HVAC Air-Distribution Duct Repair (23 01 30)****23 01 30 41-0001 Repair And Seal Ductwork (23 01 30 41)**

Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.

23 01 30 41-0002	SF	Repair And Sealing Of Ductwork	1.81
------------------	----	--------------------------------------	------

23 01 30 51 HVAC Air-Distribution System Cleaning (23 01 30)**23 01 30 51-0001 Special Cleaning Of Ductwork (23 01 30 51)**

Note: Includes sealing registers, grilles, diffusers as required.

23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork	3.57
		<i>For Exhaust Ductwork, Add</i>	0.89
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork	4.46
		<i>For Exhaust Ductwork, Add</i>	1.12
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork	5.98
		<i>For Exhaust Ductwork, Add</i>	1.50
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Supply/Return Ductwork	8.44
		<i>For Exhaust Ductwork, Add</i>	2.11
23 01 30 51-0006	SF	Clean Duct Dampers.....	12.05
23 01 30 51-0007	SF	Clean Duct Fire Dampers	24.09
23 01 30 51-0008	SF	Clean Louver.....	9.64
23 01 30 51-0009	EA	Clean Turning Vane Set.....	28.92
23 01 30 51-0010	EA	Clean Grille/Diffuser/Register.....	28.92
		Note: Includes removal and reinstallation.	
23 01 30 51-0011	LF	Clean Linear Diffuser	7.22
		Note: Includes removal and reinstallation.	
23 01 30 51-0012	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	98.65
		<i>For Stainless Steel, Add</i>	67.22
23 01 30 51-0013	EA	Clean Variable Air Volume (VAV) Unit.....	86.74
23 01 30 51-0014	EA	Clean Fan Powered Induction Unit (PIU) Unit.....	115.66
23 01 30 51-0015	EA	Clean Fan Coil Unit (FCU) Unit.....	115.66
23 01 30 51-0016	EA	Clean Supply Or Return Fan.....	231.32
23 01 30 51-0017	EA	Clean Exhaust Fan	202.40
23 01 30 51-0018	EA	Clean Duct Coil.....	173.49
23 01 30 51-0019	SF	Clean Air Handling Unit Interior Housing, HEPA Vacuum.....	5.79
		Note: Excluding fan and coils.	
23 01 30 51-0020	EA	Clean Air Handling Unit Fan	231.32
23 01 30 51-0021	EA	Clean Air Handling Unit Coil	346.98
23 01 30 51-0022	SF	Clean Equipment Surfaces, Rust Reform And Prime.....	2.81
23 01 30 51-0023	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	3.39
23 01 30 51-0024	SF	HEPA Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.68
23 01 30 51-0025	EA	Cleaning Of Ductwork Minimum Set-up Charge	854.17
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
23 01 30 51-0026	SF	Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning.....	0.46

23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)**23 01 50 61 Central Heating Equipment Repair (23 01 50)****23 01 50 61-0001 Boiler Repairs (23 01 50 61)****23 01 50 61-0002 Setup And Maintenance (23 01 50 61-0001)**

23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance	2,828.23
		Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance.....	2,958.81
		Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	
		<i>For Burner Seals, Add</i>	682.82
		Note: Used when burner must be removed from door for maintenance.	
23 01 50 61-0005	EA	Setup Charge For Boiler Water Side Maintenance	3,770.98
		Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance.....	1,885.49
		Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	

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

23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance	Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	3,770.98	
23 01 50 61-0008	EA	Removal And Replacement Of Handhole		117.84	
23 01 50 61-0009	EA	Removal And Replacement Of Manhole		353.53	
23 01 50 61-0010	SF	Sheet Metal Jacket Patch		12.76	

23 01 50 61-0011 Boiler Tube Replacement (23 01 50 61-0001)

23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube	Note: Includes black steel tube, fasteners and accessories.	282.82	
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube		353.54	
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube		494.93	
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination	Note: Includes black steel tube, fasteners and accessories.	7.36	
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination	Note: Includes black steel tube, fasteners and accessories.	8.46	
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination	Note: Includes black steel tube, fasteners and accessories.	9.57	
23 01 50 61-0018	LF	Place 3" Boiler Tube Into Position For Termination	Note: Includes black steel tube, fasteners and accessories.	13.06	
23 01 50 61-0019	LF	Place 3-1/2" Boiler Tube Into Position For Termination	Note: Includes black steel tube, fasteners and accessories.	15.10	
23 01 50 61-0020	LF	Place 4" Boiler Tube Into Position For Termination	Note: Includes black steel tube, fasteners and accessories.	18.87	
23 01 50 61-0021	EA	1-1/2" Rolled Boiler Tube Termination (2 Per New Tube)		35.35	
23 01 50 61-0022	EA	2" Rolled Boiler Tube Termination (2 Per New Tube)		53.03	
23 01 50 61-0023	EA	2-1/2" Rolled Boiler Tube Termination (2 Per New Tube)		70.71	
23 01 50 61-0024	EA	3" Rolled Boiler Tube Termination (2 Per New Tube)		88.38	
23 01 50 61-0025	EA	3-1/2" Rolled Boiler Tube Termination (2 Per New Tube)		106.06	
23 01 50 61-0026	EA	4" Rolled Boiler Tube Termination (2 Per New Tube)		123.73	
23 01 50 61-0027	EA	1-1/2" Welded Boiler Tube Termination (2 Per New Tube)		106.06	
23 01 50 61-0028	EA	2" Welded Boiler Tube Termination (2 Per New Tube)		141.41	
23 01 50 61-0029	EA	2-1/2" Welded Boiler Tube Termination (2 Per New Tube)		176.76	
23 01 50 61-0030	EA	3" Welded Boiler Tube Termination (2 Per New Tube)		212.12	
23 01 50 61-0031	EA	3-1/2" Welded Boiler Tube Termination (2 Per New Tube)		247.47	
23 01 50 61-0032	EA	4" Welded Boiler Tube Termination (2 Per New Tube)		282.82	
23 01 50 61-0033	EA	Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced		269.28	

23 01 50 61-0034 Cast Iron Boiler Section Replacement (23 01 50 61-0001)

23 01 50 61-0035	EA	Replace Front Section Of Weil McLain Model 80 Cast Iron Boiler	Note: Includes support, linkages and removal of existing.	2,705.19	
23 01 50 61-0036	EA	Replace Rear Section Of Weil McLain Model 80 Cast Iron Boiler		1,740.28	
23 01 50 61-0037	EA	Replace Inside Section Of Weil McLain Model 80 Cast Iron Boiler		2,426.05	
23 01 50 61-0038	EA	Replace Front Section Of Weil McLain Model 88 Cast Iron Boiler		4,760.06	
23 01 50 61-0039	EA	Replace Rear Section Of Weil McLain Model 88 Cast Iron Boiler		3,280.59	
23 01 50 61-0040	EA	Replace Inside Section Of Weil McLain Model 88 Cast Iron Boiler		4,226.15	
23 01 50 61-0041	EA	Replace Front Section Of Weil McLain Model 94 Cast Iron Boiler		7,441.45	
23 01 50 61-0042	EA	Replace Rear Section Of Weil McLain Model 94 Cast Iron Boiler		5,431.79	
23 01 50 61-0043	EA	Replace Inside Section Of Weil McLain Model 94 Cast Iron Boiler		6,427.02	

23 01 50 61-0044 Cast Iron Grate Replacement (23 01 50 61-0001)

23 01 50 61-0045	SF	Replace Cast Iron Boiler Grates, Prepared From Casting Mold	Note: Includes support, linkages and removal of existing.	103.32	
23 01 50 61-0046	EA	Prepare Cast Iron Boiler Grate Mold	Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	1,195.84	

23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners (23 01 50 61-0001)

23 01 50 61-0048	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed	Note: Includes mounting plate, mechanical and electrical labor for installation of burners.	6,943.69	1,282.16
23 01 50 61-0049	EA	2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed		9,816.39	1,587.40
23 01 50 61-0050	EA	2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed		11,632.15	1,923.11
23 01 50 61-0051	EA	3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged		13,565.83	2,068.46

23 01 50 61-0052 Boiler And Chiller Water Treatment (23 01 50 61)

23 01 50 61-0053	LB	Boil Out Boiler And System With Caustic Soda	Note: Includes disposal after treatment.	0.93	
23 01 50 61-0054	LB	Boil Out Boiler And System With Trisodium Phosphate	Note: Includes disposal after treatment.	1.40	
23 01 50 61-0055	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required		87.42	

23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)

23 01 60 61 Central Cooling Equipment Repair (23 01 60)

23 01 60 61-0001 Cooling Tower Repairs (23 01 60 61)

23 01 60 61-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade	Note: Includes disposal after treatment.	2,052.88	
23 01 60 61-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade		2,400.14	
23 01 60 61-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade		2,744.85	
23 01 60 61-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade		3,222.66	
23 01 60 61-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade		3,540.77	
23 01 60 61-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade		2,282.85	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 60 Operation and Maintenance of Central Cooling Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 01 60 61-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade	2,526.17	
23 01 60 61-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade	2,944.40	
23 01 60 61-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade	3,337.29	
23 01 60 61-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade	3,663.01	
23 01 60 61-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan.....	560.74	
23 01 60 61-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan.....	586.72	
23 01 60 61-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan.....	630.43	
23 01 60 61-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan.....	733.70	
23 01 60 61-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan.....	904.14	
23 01 60 61-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan.....	1,210.21	
23 01 60 61-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan.....	1,275.47	
23 01 60 61-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan.....	1,373.37	
23 01 60 61-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread)	37.76	
23 01 60 61-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill	25.63	

23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)**23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling** (23 01 60 71)

23 01 60 71-0002	LB	Recovery Of Refrigerant	10.24	
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant.....	19.19	

Note: Includes cleaning refrigerant gas prior to recharging.

23 05 Common Work Results For HVAC (23)**23 05 13 Common Motor Requirements For HVAC Equipment** (23 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors (23 05 13)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)

23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	588.10	
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	665.92	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	780.73	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	655.71	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	696.53	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	913.40	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	770.52	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	746.28	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	933.81	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	780.73	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	804.97	
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,188.95	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	852.17	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	881.51	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,557.63	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,352.24	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,296.11	
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,867.62	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,546.15	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,569.11	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,430.21	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,196.76	
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,222.27	
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,277.27	
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,580.74	
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,789.96	
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,989.11	
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,098.68	
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,401.02	
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,818.32	
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,656.16	
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,718.67	
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,026.26	
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,711.16	
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,851.49	
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,130.87	
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,354.11	
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,492.04	
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,740.80	
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,516.57	
23 05 13 00-0044	EA	75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,274.19	
23 05 13 00-0045	EA	100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,103.40	
23 05 13 00-0046	EA	100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,626.43	
23 05 13 00-0047	EA	125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,425.17	
23 05 13 00-0048	EA	125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,809.15	
23 05 13 00-0049	EA	150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	14,093.93	

23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0051	EA		40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	7,160.50	
23 05 13 00-0052	EA		50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	8,668.38	
23 05 13 00-0053	EA		60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	11,005.46	
23 05 13 00-0054	EA		75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	12,253.10	
23 05 13 00-0055	EA		100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	13,486.70	
23 05 13 00-0056	EA		125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	14,564.67	
23 05 13 00-0057	EA		150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	13,118.02	
23 05 13 00-0058	EA		150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	17,153.06	
23 05 13 00-0059	EA		200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	15,971.76	
23 05 13 00-0060	EA		200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	16,392.74	
23 05 13 00-0061	EA		200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	22,548.00	
23 05 13 00-0062			Premium Efficient, TEFC Motors <small>(23 05 13 00-0001)</small>		
			Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.		
23 05 13 00-0063			Steel Frame, Premium Efficient, TEFC Motors <small>(23 05 13 00-0062)</small>		
23 05 13 00-0064	EA		1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor.....	687.60	
23 05 13 00-0065	EA		1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	757.77	
23 05 13 00-0066	EA		1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	901.92	
23 05 13 00-0067	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	779.45	
23 05 13 00-0068	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	787.11	
23 05 13 00-0069	EA		2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	853.44	
23 05 13 00-0070	EA		2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	816.45	
23 05 13 00-0071	EA		3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	946.57	
23 05 13 00-0072	EA		3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	901.92	
23 05 13 00-0073	EA		3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,447.92	
23 05 13 00-0074	EA		5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,049.90	
23 05 13 00-0075	EA		5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	987.39	
23 05 13 00-0076	EA		5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,635.45	
23 05 13 00-0077	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,572.94	
23 05 13 00-0078	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,423.68	
23 05 13 00-0079	EA		10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,594.62	
23 05 13 00-0080	EA		10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,607.38	
23 05 13 00-0081			Cast Iron Frame, Premium Efficient, TEFC Motors <small>(23 05 13 00-0062)</small>		
23 05 13 00-0082	EA		1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	981.01	
23 05 13 00-0083	EA		1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,098.38	
23 05 13 00-0084	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,035.87	
23 05 13 00-0085	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,016.73	
23 05 13 00-0086	EA		1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,307.59	
23 05 13 00-0087	EA		2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,089.45	
23 05 13 00-0088	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,065.21	
23 05 13 00-0089	EA		2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,328.00	
23 05 13 00-0090	EA		3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,176.20	
23 05 13 00-0091	EA		3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,209.36	
23 05 13 00-0092	EA		3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,654.58	
23 05 13 00-0093	EA		5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,447.92	
23 05 13 00-0094	EA		5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,210.64	
23 05 13 00-0095	EA		5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,919.93	
23 05 13 00-0096	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,676.27	
23 05 13 00-0097	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,615.04	
23 05 13 00-0098	EA		7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,737.65	
23 05 13 00-0099	EA		10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,964.58	
23 05 13 00-0100	EA		10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,811.49	
23 05 13 00-0101	EA		10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,125.46	
23 05 13 00-0102	EA		15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,707.04	
23 05 13 00-0103	EA		15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,477.41	
23 05 13 00-0104	EA		15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	4,168.99	
23 05 13 00-0105	EA		20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,971.11	
23 05 13 00-0106	EA		20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,004.27	
23 05 13 00-0107	EA		20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	5,550.57	
23 05 13 00-0108	EA		25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,876.85	
23 05 13 00-0109	EA		25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,929.16	
23 05 13 00-0110	EA		25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	6,280.27	
23 05 13 00-0111	EA		30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	4,606.55	
23 05 13 00-0112	EA		30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	4,661.41	
23 05 13 00-0113	EA		30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	7,254.91	
23 05 13 00-0114	EA		40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	6,314.72	
23 05 13 00-0115	EA		40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	6,095.29	
23 05 13 00-0116	EA		40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	9,040.89	
23 05 13 00-0117	EA		50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	6,907.92	
23 05 13 00-0118	EA		50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	6,661.71	
23 05 13 00-0119	EA		50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	10,925.09	
23 05 13 00-0120	EA		60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	9,704.25	
23 05 13 00-0121	EA		60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	9,585.61	
23 05 13 00-0122	EA		60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	13,260.90	
23 05 13 00-0123	EA		75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	11,289.94	
23 05 13 00-0124	EA		75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	11,208.30	
23 05 13 00-0125	EA		75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	15,442.35	
23 05 13 00-0126	EA		100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	13,919.16	
23 05 13 00-0127	EA		125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	17,232.16	
23 05 13 00-0128	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	19,821.83	
23 05 13 00-0129	EA		200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	24,911.87	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 13 Common Motor Requirements For HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0130 Premium Efficient, Severe Duty Motors <small>(23 05 13 00-0001)</small>		
Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.		
23 05 13 00-0131 EA 1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,019.28	
23 05 13 00-0132 EA 1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,120.06	
23 05 13 00-0133 EA 1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,237.43	
23 05 13 00-0134 EA 1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,738.78	
23 05 13 00-0135 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,159.61	
23 05 13 00-0136 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,141.75	
23 05 13 00-0137 EA 1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,447.92	
23 05 13 00-0138 EA 1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,163.59	
23 05 13 00-0139 EA 2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,213.19	
23 05 13 00-0140 EA 2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,191.50	
23 05 13 00-0141 EA 2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,467.06	
23 05 13 00-0142 EA 2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,728.72	
23 05 13 00-0143 EA 3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,435.16	
23 05 13 00-0144 EA 3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,507.88	
23 05 13 00-0145 EA 3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,117.66	
23 05 13 00-0146 EA 3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,959.62	
23 05 13 00-0147 EA 5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,765.57	
23 05 13 00-0148 EA 5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,534.67	
23 05 13 00-0149 EA 5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,145.73	
23 05 13 00-0150 EA 5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,711.16	
23 05 13 00-0151 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,303.91	
23 05 13 00-0152 EA 7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,932.69	
23 05 13 00-0153 EA 7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,070.61	
23 05 13 00-0154 EA 7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,387.28	
23 05 13 00-0155 EA 10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,453.17	
23 05 13 00-0156 EA 10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,314.12	
23 05 13 00-0157 EA 10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,989.11	
23 05 13 00-0158 EA 10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,284.10	
23 05 13 00-0159 EA 15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,138.22	
23 05 13 00-0160 EA 15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,948.14	
23 05 13 00-0161 EA 15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,573.38	
23 05 13 00-0162 EA 15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,389.00	
23 05 13 00-0163 EA 20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,661.26	
23 05 13 00-0164 EA 20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,162.46	
23 05 13 00-0165 EA 20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,213.93	
23 05 13 00-0166 EA 20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	9,563.92	
23 05 13 00-0167 EA 25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,399.89	
23 05 13 00-0168 EA 25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,138.37	
23 05 13 00-0169 EA 25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,493.31	
23 05 13 00-0170 EA 30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,364.32	
23 05 13 00-0171 EA 30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,914.00	
23 05 13 00-0172 EA 30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,371.14	
23 05 13 00-0173 EA 40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,369.72	
23 05 13 00-0174 EA 40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,429.53	
23 05 13 00-0175 EA 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,433.95	
23 05 13 00-0176 EA 50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,723.09	
23 05 13 00-0177 EA 50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,547.04	
23 05 13 00-0178 EA 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	11,113.90	
23 05 13 00-0179 EA 60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	11,208.30	
23 05 13 00-0180 EA 60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,115.03	
23 05 13 00-0181 EA 60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	15,180.83	
23 05 13 00-0182 EA 75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	12,529.93	
23 05 13 00-0183 EA 75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	11,819.36	
23 05 13 00-0184 EA 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	18,475.96	
23 05 13 00-0185 EA 100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	15,749.79	
23 05 13 00-0186 EA 100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	15,515.06	
23 05 13 00-0187 EA 100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	20,321.90	
23 05 13 00-0188 EA 125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	18,506.58	
23 05 13 00-0189 EA 125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	18,342.01	
23 05 13 00-0190 EA 125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	22,957.50	
23 05 13 00-0191 EA 150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	21,695.83	
23 05 13 00-0192 EA 150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	21,487.89	
23 05 13 00-0193 EA 150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	25,883.95	
23 05 13 00-0194 EA 200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	25,691.32	
23 05 13 00-0195 EA 200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	25,849.51	
23 05 13 00-0196 EA 200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	33,905.55	
23 05 13 00-0197 Premium Efficient, Explosion Proof Motors <small>(23 05 13 00-0001)</small>		
Note: NEMA premium efficiency, explosion proof, three phase AC motors.		
23 05 13 00-0198 EA 1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,359.90	
23 05 13 00-0199 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,408.37	
23 05 13 00-0200 EA 2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,535.94	
23 05 13 00-0201 EA 3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,898.24	
23 05 13 00-0202 EA 5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,104.90	
23 05 13 00-0203 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,900.94	
23 05 13 00-0204 EA 10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,960.90	
23 05 13 00-0205 EA 15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	4,008.25	
23 05 13 00-0206 EA 20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	4,569.56	
23 05 13 00-0207 EA 25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	6,003.44	
23 05 13 00-0208 EA 30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	6,738.25	

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

23 05 13 00-0209	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	8,811.26	
23 05 13 00-0210	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	9,923.67	
23 05 13 00-0211	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	13,882.17	
23 05 13 00-0212	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	16,297.07	
23 05 13 00-0213	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	19,852.44	
23 05 13 00-0214	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	25,947.74	
23 05 13 00-0215	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	29,606.45	

23 05 13 00-0216 Motor Mounting (23 05 13)

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0217	EA	1/2 HP Motor Mounting.....	200.40	101.97
23 05 13 00-0218	EA	3/4 HP Motor Mounting.....	230.90	127.46
23 05 13 00-0219	EA	1 HP Motor Mounting.....	247.01	127.46
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting.....	265.54	127.46
23 05 13 00-0221	EA	2 HP Motor Mounting.....	287.06	152.94
23 05 13 00-0222	EA	3 HP Motor Mounting.....	331.91	152.94
23 05 13 00-0223	EA	5 HP Motor Mounting.....	393.38	254.91
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting.....	505.78	254.91
23 05 13 00-0225	EA	10 HP Motor Mounting.....	663.84	446.10
23 05 13 00-0226	EA	15 HP Motor Mounting.....	817.03	446.10
23 05 13 00-0227	EA	20 HP Motor Mounting.....	965.58	637.28
23 05 13 00-0228	EA	25 HP Motor Mounting.....	1,094.98	637.28
23 05 13 00-0229	EA	30 HP Motor Mounting.....	1,327.66	637.28
23 05 13 00-0230	EA	40 HP Motor Mounting.....	1,495.96	955.92
23 05 13 00-0231	EA	50 HP Motor Mounting.....	1,659.59	955.92
23 05 13 00-0232	EA	75 HP Motor Mounting.....	2,004.03	1,402.01
23 05 13 00-0233	EA	100 HP Motor Mounting.....	2,413.93	1,402.01
23 05 13 00-0234	EA	125 HP Motor Mounting.....	2,950.36	1,911.84
23 05 13 00-0235	EA	150 HP Motor Mounting.....	3,426.24	1,911.84
23 05 13 00-0236	EA	200 HP Motor Mounting.....	3,933.82	2,294.21

23 05 16 Expansion Fittings And Loops For HVAC Piping (23 05)

23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints (23 05 16)

Note: Includes internal sleeves and external covers.

23 05 16 00-0002 Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA	1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	234.58	105.32
		<i>For 300 LB Rating, Add</i>	5.95	
23 05 16 00-0004	EA	3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	263.50	118.78
		<i>For 300 LB Rating, Add</i>	6.52	
23 05 16 00-0005	EA	1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	306.23	136.17
		<i>For 300 LB Rating, Add</i>	8.50	
23 05 16 00-0006	EA	1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	344.42	151.98
		<i>For 300 LB Rating, Add</i>	10.20	
23 05 16 00-0007	EA	1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	371.99	163.34
		<i>For 300 LB Rating, Add</i>	11.33	
23 05 16 00-0008	EA	2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	431.91	192.21
		<i>For 300 LB Rating, Add</i>	11.90	

23 05 16 00-0009 Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0010	EA	1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	676.24	105.24
		<i>For 300 LB Rating, Add</i>	136.38	
23 05 16 00-0011	EA	1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	739.43	126.29
		<i>For 300 LB Rating, Add</i>	145.30	
23 05 16 00-0012	EA	2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	781.75	160.32
		<i>For 300 LB Rating, Add</i>	145.32	
23 05 16 00-0013	EA	2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	843.03	174.39
		<i>For 300 LB Rating, Add</i>	156.09	
23 05 16 00-0014	EA	3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	930.58	204.47
		<i>For 300 LB Rating, Add</i>	168.67	
23 05 16 00-0015	EA	4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,157.29	342.77
		<i>For 300 LB Rating, Add</i>	181.94	
23 05 16 00-0016	EA	5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,551.02	373.34
		<i>For 300 LB Rating, Add</i>	271.27	
23 05 16 00-0017	EA	6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,449.65	414.82
		<i>For 300 LB Rating, Add</i>	232.32	
23 05 16 00-0018	EA	8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,862.95	530.04
		<i>For 300 LB Rating, Add</i>	301.13	
23 05 16 00-0019	EA	10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,364.68	645.27
		<i>For 300 LB Rating, Add</i>	389.53	
23 05 16 00-0020	EA	12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,092.27	488.79
		<i>For 300 LB Rating, Add</i>	528.35	
23 05 16 00-0021	EA	14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,921.81	921.82
		<i>For 300 LB Rating, Add</i>	692.39	
23 05 16 00-0022	EA	16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	5,032.34	1,013.99
		<i>For 300 LB Rating, Add</i>	941.21	

23 05 16 00-0023 Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0024	EA	1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	726.71	144.33
		<i>For 300 LB Rating, Add</i>	109.54	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 16 Expansion Fittings And Loops For HVAC Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 16 00-0025	EA	1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	757.88	145.53
		<i>For 300 LB Rating, Add</i>	116.70	
23 05 16 00-0026	EA	2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	767.86	150.35
		<i>For 300 LB Rating, Add</i>	116.72	
23 05 16 00-0027	EA	2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	829.72	163.93
		<i>For 300 LB Rating, Add</i>	125.37	
23 05 16 00-0028	EA	3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	928.99	192.80
		<i>For 300 LB Rating, Add</i>	135.75	
23 05 16 00-0029	EA	4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,351.57	383.91
		<i>For 300 LB Rating, Add</i>	146.13	
23 05 16 00-0030	EA	5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,650.07	390.27
		<i>For 300 LB Rating, Add</i>	217.88	
23 05 16 00-0031	EA	6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,609.97	432.10
		<i>For 300 LB Rating, Add</i>	186.60	
23 05 16 00-0032	EA	8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,953.50	493.75
		<i>For 300 LB Rating, Add</i>	241.86	
23 05 16 00-0033	EA	10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,458.92	604.94
		<i>For 300 LB Rating, Add</i>	312.86	
23 05 16 00-0034	EA	12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,163.98	733.31
		<i>For 300 LB Rating, Add</i>	424.37	
23 05 16 00-0035	EA	14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,804.30	746.67
		<i>For 300 LB Rating, Add</i>	577.65	
23 05 16 00-0036	EA	16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	5,008.08	933.34
		<i>For 300 LB Rating, Add</i>	785.25	

23 05 17 Sleeves and Sleeve Seals for HVAC Piping (23 05)**23 05 17 00-0001 Wall Seals And Sleeves** (23 05 17)
Note: Up to 12" walls. Excludes drilling hole.**23 05 17 00-0002 Ductile Iron Wall Sleeve** (23 05 17 00-0001)
Note: Includes rubber gasket seal.

23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	120.53	53.93
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	145.10	62.99
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	175.97	75.57
23 05 17 00-0006	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	255.90	113.30
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	334.47	151.02
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	414.92	188.87

23 05 17 00-0009 Steel Pipe Sleeves (23 05 17 00-0001)
Note: Includes link seals 12" length.

23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals.....	138.34	57.72
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals.....	162.52	62.57
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals.....	186.02	67.42
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals.....	227.22	80.88
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals.....	313.79	101.01
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals.....	528.80	121.26
23 05 17 00-0016	EA	13.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	632.20	151.58
23 05 17 00-0017	EA	17.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	827.91	186.50
23 05 17 00-0018	EA	23.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	1,122.53	242.52
23 05 17 00-0019	EA	29.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	1,251.79	303.15

23 05 19 Meters And Gages For HVAC Piping (23 05)**23 05 19 00-0001 Thermometers** (23 05 19)**23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers** (23 05 19 00-0001)
Note: Various ranges.

23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	117.32	41.82
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	134.38	41.82
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	134.38	41.82

23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers (23 05 19 00-0001)
Note: Various ranges.

23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	151.43	41.82
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	151.43	41.82
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	187.08	41.82
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	156.08	41.82
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	163.83	41.82
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	191.73	41.82

23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers (23 05 19 00-0001)
Note: Various ranges. Socket connection for thermowell.

23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	151.43	41.82
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	151.43	41.82
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	187.08	41.82
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	171.58	41.82
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	187.08	41.82
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	191.03	41.82

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--	-------	-------------	------------------------	----------------------

23 05 19 00-0020		1" NPT, 304 Stainless Steel Thermowells <small>(23 05 19 00-0001)</small>		
	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell	180.71	78.41
	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell	180.65	78.41
23 05 19 00-0023		Pressure Gauges <small>(23 05 19)</small>		
23 05 19 00-0024		Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>		
	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	42.59	16.33
	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	51.74	16.33
23 05 19 00-0027		Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>		
	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	172.31	16.33
	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	172.31	16.33
	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	219.74	16.33
	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	499.02	16.33
23 05 19 00-0032		Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>		
		Note: Liquid filled.		
	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	97.39	16.33
	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	200.88	16.33
23 05 19 00-0035		Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges <small>(23 05 19 00-0023)</small>		
	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	310.15	16.33
	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	310.15	16.33
	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	310.15	16.33
23 05 19 00-0039		Gauge Accessories <small>(23 05 19 00-0023)</small>		
	EA	Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	66.48	13.07
	EA	1/4" Snubber Valve	49.41	13.07
	EA	1/4" Female Pipe Thread, Brass Gauge Cock.....	32.53	19.60
	EA	1/4" Male Pipe Thread, Brass Gauge Cock	30.15	19.60
	EA	1/4" Pressure Pigtail Steam Siphon	33.02	19.60
	EA	1/4" x 3" Long Black Steel Nipple	7.27	6.53
	EA	1/4" Steel Thread-O-Let.....	81.11	32.67
	EA	1/4", 300 LB, Black Steel Union.....	58.87	13.07
	EA	1/4", Black Steel Coupling	27.35	13.07
	EA	1/4", 300 LB, Black Steel Plug.....	15.96	7.84
	EA	1/4", 150 LB, Black Steel Cap.....	16.36	7.84
	LF	1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	7.97	
	LF	1/4" Schedule 80, Plain End, Black Steel Pipe	7.81	
	LF	1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	7.94	
	EA	1/4" Threaded, 800 LB, Forged Steel, Ball Valve	78.67	
23 05 19 00-0055		Valve Lock Covers <small>(23 05 19)</small>		
	EA	Valve Lock Cover.....	65.15	19.99
23 05 19 00-0057		Venturi Flowmeters <small>(23 05 19)</small>		
23 05 19 00-0058		Threaded, Brass, Venturi Flowmeters <small>(23 05 19 00-0057)</small>		
	EA	3/4" Threaded, Brass, Venturi Flowmeter	208.80	88.85
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
	EA	1" Threaded, Brass, Venturi Flowmeter	236.55	106.62
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
	EA	1-1/4" Threaded, Brass, Venturi Flowmeter	261.51	118.52
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
	EA	1-1/2" Threaded, Brass, Venturi Flowmeter.....	294.57	133.28
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
	EA	2" Threaded, Brass, Venturi Flowmeter	346.24	152.37
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
	EA	2-1/2" Threaded, Brass, Venturi Flowmeter.....	474.09	201.60
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0065		Butt Weld, Carbon Steel, Venturi Flowmeters <small>(23 05 19 00-0057)</small>		
	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter	902.45	181.89
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
		<i>For Flanged Ends, Add</i>	188.53	
	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter	1,208.62	218.27
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
		<i>For Flanged Ends, Add</i>	270.23	
	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter	1,569.14	272.84
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
		<i>For Flanged Ends, Add</i>	358.21	
	EA	6" Butt Weld, Carbon Steel, Venturi Flowmeter	1,912.62	363.79
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
		<i>For Flanged Ends, Add</i>	414.77	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 19 Meters And Gages For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0070	EA		8" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	2,686.58 995.00 634.73	436.54
23 05 19 00-0071	EA		10" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	4,197.64 995.00 1,087.20	545.68
23 05 19 00-0072	EA		12" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	6,195.11 995.00 1,646.51	745.39
23 05 19 00-0073	EA		14" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	8,771.96 995.00 2,287.52	1,118.09
23 05 19 00-0074	EA		16" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	12,629.47 995.00 3,550.69	1,242.32
23 05 19 00-0075			Turbine Flowmeter <small>(23 05 19)</small>		
23 05 19 00-0076	EA		Saddle Mount Turbine Flowmeter	603.20	98.01
23 05 19 00-0077			Sight Flow Indicator <small>(23 05 19)</small>		
23 05 19 00-0078			Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small>		
23 05 19 00-0079	EA		1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	112.15	17.92
23 05 19 00-0080	EA		3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	117.26	18.86
23 05 19 00-0081	EA		1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	126.35	19.82
23 05 19 00-0082	EA		3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	145.34	26.71
23 05 19 00-0083	EA		1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	174.07	32.37
23 05 19 00-0084	EA		1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	201.04	40.99
23 05 19 00-0085	EA		1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	275.74	47.39
23 05 19 00-0086	EA		2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	308.48	56.01
23 05 19 00-0087			Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small>		
23 05 19 00-0088	EA		1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	141.25	17.92
23 05 19 00-0089	EA		3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	145.71	18.86
23 05 19 00-0090	EA		1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	156.74	19.82
23 05 19 00-0091	EA		3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	171.20	26.71
23 05 19 00-0092	EA		1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	185.06	32.37
23 05 19 00-0093	EA		1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	205.57	40.99
23 05 19 00-0094	EA		1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	363.68	47.39
23 05 19 00-0095	EA		2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	393.83	56.01
23 05 19 00-0096			Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small>		
23 05 19 00-0097	EA		1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	197.50	17.92
23 05 19 00-0098	EA		3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	208.43	18.86
23 05 19 00-0099	EA		1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	225.93	19.82
23 05 19 00-0100	EA		3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	250.09	26.71
23 05 19 00-0101	EA		1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	288.51	32.37
23 05 19 00-0102	EA		1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	310.97	40.99
23 05 19 00-0103	EA		1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	596.45	47.39
23 05 19 00-0104	EA		2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	633.07	56.01
23 05 19 00-0105			Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0106	EA		1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	139.31	17.92

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

23 05 19 00-0107	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	145.07	18.86	
23 05 19 00-0108	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	153.51	19.82	
23 05 19 00-0109	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	170.55	26.71	
23 05 19 00-0110	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	184.41	32.37	
23 05 19 00-0111	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	205.57	40.99	
23 05 19 00-0112	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	359.80	47.39	
23 05 19 00-0113	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	388.65	56.01	

23 05 19 00-0114 Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators (23 05 19 00-0077)

23 05 19 00-0115	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	196.21	17.92	
23 05 19 00-0116	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	211.02	18.86	
23 05 19 00-0117	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	229.81	19.82	
23 05 19 00-0118	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	288.51	26.71	
23 05 19 00-0119	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	288.09	32.37	
23 05 19 00-0120	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	313.55	40.99	
23 05 19 00-0121	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	596.45	47.39	
23 05 19 00-0122	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	633.07	56.01	

23 05 19 00-0123 Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators (23 05 19 00-0077)

23 05 19 00-0124	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	293.69	32.37	
23 05 19 00-0125	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	334.24	40.99	
23 05 19 00-0126	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	380.49	47.39	
23 05 19 00-0127	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	430.04	56.01	

23 05 19 00-0128 Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators (23 05 19 00-0077)

23 05 19 00-0129	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	655.00	129.26	
23 05 19 00-0130	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	742.17	164.09	
23 05 19 00-0131	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,066.44	192.61	
23 05 19 00-0132	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,627.03	322.90	
23 05 19 00-0133	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,569.91	396.87	

23 05 19 00-0134 Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators (23 05 19 00-0077)

23 05 19 00-0135	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	498.93	92.32	
23 05 19 00-0136	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	587.72	107.71	
23 05 19 00-0137	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	641.75	129.26	
23 05 19 00-0138	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	805.21	164.09	
23 05 19 00-0139	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,143.71	192.61	
23 05 19 00-0140	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,710.76	322.90	

23 05 19 00-0141 Water Flow Switches (23 05 19)

23 05 19 00-0142	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	210.70	38.49	
23 05 19 00-0143	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	216.62	38.49	
23 05 19 00-0144	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	266.62	38.49	
23 05 19 00-0145	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	274.20	38.49	
23 05 19 00-0146	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	224.19	38.49	
23 05 19 00-0147	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	231.09	38.49	
23 05 19 00-0148	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	280.12	38.49	
23 05 19 00-0149	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	287.02	38.49	
23 05 19 00-0150	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	509.39	38.49	
23 05 19 00-0151	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	516.08	38.49	
23 05 19 00-0152	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	579.65	38.49	
23 05 19 00-0153	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	588.85	38.49	
23 05 19 00-0154	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	525.28	38.49	
23 05 19 00-0155	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	534.48	38.49	
23 05 19 00-0156	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	595.54	38.49	
23 05 19 00-0157	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	605.58	38.49	

23 05 23 General-Duty Valves For HVAC Piping (23 05)

Note: Flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0576 for bolt and gasket sets.

23 05 23 00-0001 Gate Valves (23 05 23)

23 05 23 00-0002 125 LB Threaded, Brazed Or Soldered Bronze Gate Valves (23 05 23 00-0001)

Note: 125 psi steam, basic rating. 200 psi cold working pressure. Class 125 (threaded).

23 05 23 00-0003	EA	1/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	49.38	12.31	
		<i>For 150 LB Rating, Add</i>	<i>1.35</i>		
		<i>For 200 LB Rating, Add</i>	<i>2.03</i>		
		<i>For 250 LB Rating, Add</i>	<i>3.38</i>		
		<i>For 300 LB Rating, Add</i>	<i>4.74</i>		
		<i>For Work In Restricted Working Space, Add</i>	<i>10.76</i>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 23 00-0004	EA	3/8" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	51.26	12.31
		<i>For 150 LB Rating, Add</i>	1.35	
		<i>For 200 LB Rating, Add</i>	2.03	
		<i>For 250 LB Rating, Add</i>	3.38	
		<i>For 300 LB Rating, Add</i>	4.74	
		<i>For Work In Restricted Working Space, Add</i>	11.32	
23 05 23 00-0005	EA	1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	53.24	12.31
		<i>For 150 LB Rating, Add</i>	1.35	
		<i>For 200 LB Rating, Add</i>	2.03	
		<i>For 250 LB Rating, Add</i>	3.38	
		<i>For 300 LB Rating, Add</i>	4.74	
		<i>For Work In Restricted Working Space, Add</i>	11.91	
23 05 23 00-0006	EA	3/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	69.67	13.54
		<i>For 150 LB Rating, Add</i>	1.62	
		<i>For 200 LB Rating, Add</i>	2.42	
		<i>For 250 LB Rating, Add</i>	4.04	
		<i>For 300 LB Rating, Add</i>	5.65	
		<i>For Work In Restricted Working Space, Add</i>	16.06	
23 05 23 00-0007	EA	1" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	89.18	15.39
		<i>For 150 LB Rating, Add</i>	2.44	
		<i>For 200 LB Rating, Add</i>	3.66	
		<i>For 250 LB Rating, Add</i>	6.10	
		<i>For 300 LB Rating, Add</i>	8.54	
		<i>For Work In Restricted Working Space, Add</i>	19.44	
23 05 23 00-0008	EA	1-1/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	114.96	16.37
		<i>For 150 LB Rating, Add</i>	3.29	
		<i>For 200 LB Rating, Add</i>	4.93	
		<i>For 250 LB Rating, Add</i>	8.22	
		<i>For 300 LB Rating, Add</i>	11.51	
		<i>For Work In Restricted Working Space, Add</i>	24.62	
23 05 23 00-0009	EA	1-1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	136.14	18.95
		<i>For 150 LB Rating, Add</i>	4.15	
		<i>For 200 LB Rating, Add</i>	6.22	
		<i>For 250 LB Rating, Add</i>	10.36	
		<i>For 300 LB Rating, Add</i>	14.51	
		<i>For Work In Restricted Working Space, Add</i>	28.41	
23 05 23 00-0010	EA	2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	168.54	22.40
		<i>For 150 LB Rating, Add</i>	5.66	
		<i>For 200 LB Rating, Add</i>	8.49	
		<i>For 250 LB Rating, Add</i>	14.16	
		<i>For 300 LB Rating, Add</i>	19.82	
		<i>For Work In Restricted Working Space, Add</i>	33.57	
23 05 23 00-0011	EA	2-1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	312.57	30.25
		<i>For 150 LB Rating, Add</i>	16.15	
		<i>For 200 LB Rating, Add</i>	24.23	
		<i>For 250 LB Rating, Add</i>	40.38	
		<i>For 300 LB Rating, Add</i>	56.53	
		<i>For Chain Operated Type, Add</i>	72.68	
		<i>For Work In Restricted Working Space, Add</i>	45.32	
23 05 23 00-0012	EA	3" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	367.37	35.12
		<i>For 150 LB Rating, Add</i>	19.31	
		<i>For 200 LB Rating, Add</i>	28.96	
		<i>For 250 LB Rating, Add</i>	48.27	
		<i>For 300 LB Rating, Add</i>	67.57	
		<i>For Chain Operated Type, Add</i>	86.88	
		<i>For Work In Restricted Working Space, Add</i>	52.29	
23 05 23 00-0013	EA	4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	658.21	39.65
		<i>For 150 LB Rating, Add</i>	45.99	
		<i>For 200 LB Rating, Add</i>	68.99	
		<i>For 250 LB Rating, Add</i>	114.99	
		<i>For 300 LB Rating, Add</i>	160.98	
		<i>For Chain Operated Type, Add</i>	206.97	
		<i>For Work In Restricted Working Space, Add</i>	59.48	

23 05 23 00-0014 200 PSI, Non Rising Stem, Crimped Bronze Gate Valves (23 05 23 00-0001)

Note: 200 psi cold working pressure.

23 05 23 00-0015	EA	1/2" 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	89.35	12.31
		<i>For Work In Restricted Working Space, Add</i>	8.31	
23 05 23 00-0016	EA	3/4" 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	100.77	13.54
		<i>For Work In Restricted Working Space, Add</i>	9.46	
23 05 23 00-0017	EA	1" 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	130.94	15.39
		<i>For Work In Restricted Working Space, Add</i>	11.31	
23 05 23 00-0018	EA	1-1/4" 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	174.57	16.37
		<i>For Work In Restricted Working Space, Add</i>	12.47	
23 05 23 00-0019	EA	1-1/2" 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	201.57	18.95
		<i>For Work In Restricted Working Space, Add</i>	13.85	
23 05 23 00-0020	EA	2" 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	274.17	22.40
		<i>For Work In Restricted Working Space, Add</i>	16.62	

23 05 23 00-0021 Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves (23 05 23 00-0001)

Note: 125 psi steam, basic rating, 200 psi cold working pressure.

23 05 23 00-0022	EA	1-1/2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	130.06	18.95
		<i>For 150 LB Rating, Add</i>	7.07	
		<i>For 250 LB Rating, Add</i>	12.38	
		<i>For Chain Operated Type, Add</i>	12.38	
		<i>For Work In Restricted Working Space, Add</i>	28.41	

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

23 05 23 00-0023	EA	2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	246.99	22.40
		For 150 LB Rating, Add	27.02	
		For 250 LB Rating, Add	47.28	
		For Chain Operated Type, Add	47.28	
		For Work In Restricted Working Space, Add	33.57	
23 05 23 00-0024	EA	2-1/2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	354.22	30.25
		For 150 LB Rating, Add	40.63	
		For 250 LB Rating, Add	71.11	
		For Chain Operated Type, Add	71.11	
		For Work In Restricted Working Space, Add	45.32	
23 05 23 00-0025	EA	3" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	440.86	35.12
		For 150 LB Rating, Add	53.31	
		For 250 LB Rating, Add	93.30	
		For Chain Operated Type, Add	93.30	
		For Work In Restricted Working Space, Add	52.29	
23 05 23 00-0026	EA	4" 125 LB Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	915.82	39.65
		For 150 LB Rating, Add	143.51	
		For 250 LB Rating, Add	251.14	
		For Chain Operated Type, Add	251.14	
		For Work In Restricted Working Space, Add	59.48	

23 05 23 00-0027 Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves
(23 05 23 00-0001)

Note: 125 psi steam, basic rating, 200 psi cold working pressure.

23 05 23 00-0028	EA	1-1/2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	325.84	129.26
		For 150 LB Rating, Add	47.52	
		For 250 LB Rating, Add	81.94	
		For 300 LB Rating, ASTM A182, Add	244.86	
		For Chain Operated Type, Add	81.94	
		For Work In Restricted Working Space, Add	48.59	
23 05 23 00-0029	EA	2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	376.56	164.09
		For 150 LB Rating, Add	49.70	
		For 250 LB Rating, Add	85.70	
		For 300 LB Rating, ASTM A182, Add	273.98	
		For Chain Operated Type, Add	85.70	
		For Work In Restricted Working Space, Add	61.55	
23 05 23 00-0030	EA	2-1/2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	411.62	164.28
		For 150 LB Rating, Add	59.63	
		For 250 LB Rating, Add	102.82	
		For 300 LB Rating, ASTM A182, Add	308.63	
		For Chain Operated Type, Add	102.82	
		For Work In Restricted Working Space, Add	61.80	
23 05 23 00-0031	EA	3" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	498.09	192.61
		For 150 LB Rating, Add	74.54	
		For 250 LB Rating, Add	128.52	
		For 300 LB Rating, ASTM A182, Add	377.56	
		For Chain Operated Type, Add	128.52	
		For Work In Restricted Working Space, Add	72.32	
23 05 23 00-0032	EA	4" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	747.35	322.90
		For 150 LB Rating, Add	99.39	
		For 250 LB Rating, Add	171.36	
		For 300 LB Rating, ASTM A182, Add	545.04	
		For Chain Operated Type, Add	171.36	
		For Work In Restricted Working Space, Add	121.39	
23 05 23 00-0033	EA	5" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	891.29	357.20
		For 150 LB Rating, Add	129.19	
		For 250 LB Rating, Add	222.75	
		For 300 LB Rating, ASTM A182, Add	668.39	
		For Chain Operated Type, Add	222.75	
		For Work In Restricted Working Space, Add	133.74	
23 05 23 00-0034	EA	6" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,046.12	396.87
		For 150 LB Rating, Add	158.99	
		For 250 LB Rating, Add	274.12	
		For 300 LB Rating, ASTM A182, Add	797.18	
		For Chain Operated Type, Add	274.12	
		For Work In Restricted Working Space, Add	149.36	
23 05 23 00-0035	EA	8" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,538.13	507.13
		For 150 LB Rating, Add	263.37	
		For 250 LB Rating, Add	454.09	
		For 300 LB Rating, ASTM A182, Add	1,223.15	
		For Chain Operated Type, Add	454.09	
		For Work In Restricted Working Space, Add	188.99	
23 05 23 00-0036	EA	10" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,971.09	617.37
		For 150 LB Rating, Add	347.82	
		For 250 LB Rating, Add	599.69	
		For 300 LB Rating, ASTM A182, Add	1,585.24	
		For Chain Operated Type, Add	599.69	
		For Work In Restricted Working Space, Add	231.51	
23 05 23 00-0037	EA	12" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,648.90	749.66
		For 150 LB Rating, Add	496.91	
		For 250 LB Rating, Add	856.75	
		For 300 LB Rating, ASTM A182, Add	2,181.20	
		For Chain Operated Type, Add	856.75	
		For Work In Restricted Working Space, Add	280.62	

23 05 23 00-0038 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves
(23 05 23 00-0001)

Note: 125 psi steam, basic rating, 200 psi cold working pressure.

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 05 Common Work Results For HVAC

23 05 23 General-Duty Valves For HVAC Piping



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 05 23 00-0039	EA 1-1/2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	290.65	18.95
	For 175 LB Rating, Add	97.98	
	For 250 LB Rating, Add	146.97	
	For Work In Restricted Working Space, Add	28.41	
23 05 23 00-0040	EA 2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	365.23	22.40
	For 175 LB Rating, Add	126.66	
	For 250 LB Rating, Add	189.99	
	For Work In Restricted Working Space, Add	33.57	
23 05 23 00-0041	EA 2-1/2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	436.71	30.25
	For 175 LB Rating, Add	142.83	
	For 250 LB Rating, Add	214.24	
	For Work In Restricted Working Space, Add	45.32	
23 05 23 00-0042	EA 3" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	489.49	35.12
	For 175 LB Rating, Add	157.60	
	For 250 LB Rating, Add	236.39	
	For Work In Restricted Working Space, Add	52.29	
23 05 23 00-0043	EA 4" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	633.50	39.65
	For 175 LB Rating, Add	217.62	
	For 250 LB Rating, Add	326.42	
	For Work In Restricted Working Space, Add	59.48	
23 05 23 00-0044 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>			
Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".			
23 05 23 00-0045	EA 1-1/2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	398.21	129.26
	For 150 LB Rating, Add	35.44	
	For 175 LB Rating, Add	73.23	
	For 250 LB Rating, Add	153.56	
	For Chain Operated Type, Add	118.12	
	For Work In Restricted Working Space, Add	48.59	
23 05 23 00-0046	EA 2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	448.42	164.09
	For 150 LB Rating, Add	36.49	
	For 175 LB Rating, Add	75.41	
	For 250 LB Rating, Add	158.11	
	For Chain Operated Type, Add	121.63	
	For Work In Restricted Working Space, Add	61.55	
23 05 23 00-0047	EA 2-1/2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	457.18	164.28
	For 150 LB Rating, Add	37.68	
	For 175 LB Rating, Add	77.87	
	For 250 LB Rating, Add	163.27	
	For Chain Operated Type, Add	125.60	
	For Work In Restricted Working Space, Add	61.80	
23 05 23 00-0048	EA 3" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	517.44	192.61
	For 150 LB Rating, Add	41.46	
	For 175 LB Rating, Add	85.68	
	For 250 LB Rating, Add	179.65	
	For Chain Operated Type, Add	138.19	
	For Work In Restricted Working Space, Add	72.32	
23 05 23 00-0049	EA 4" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	739.81	322.90
	For 150 LB Rating, Add	50.28	
	For 175 LB Rating, Add	103.91	
	For 250 LB Rating, Add	217.87	
	For Chain Operated Type, Add	167.59	
	For Work In Restricted Working Space, Add	121.39	
23 05 23 00-0050	EA 5" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	913.45	357.20
	For 150 LB Rating, Add	70.15	
	For 175 LB Rating, Add	144.97	
	For 250 LB Rating, Add	303.97	
	For Chain Operated Type, Add	233.83	
	For Work In Restricted Working Space, Add	133.74	
23 05 23 00-0051	EA 6" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,031.95	396.87
	For 150 LB Rating, Add	80.11	
	For 175 LB Rating, Add	165.56	
	For 250 LB Rating, Add	347.15	
	For Chain Operated Type, Add	267.04	
	For Work In Restricted Working Space, Add	149.36	
23 05 23 00-0052	EA 8" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,533.22	507.13
	For 150 LB Rating, Add	135.49	
	For 175 LB Rating, Add	280.01	
	For 250 LB Rating, Add	587.12	
	For Chain Operated Type, Add	451.63	
	For Work In Restricted Working Space, Add	188.99	
23 05 23 00-0053	EA 10" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,161.82	617.37
	For 150 LB Rating, Add	208.52	
	For 175 LB Rating, Add	430.93	
	For 250 LB Rating, Add	903.57	
	For Chain Operated Type, Add	695.06	
	For Work In Restricted Working Space, Add	231.51	
23 05 23 00-0054	EA 12" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,697.26	749.66
	For 150 LB Rating, Add	264.28	
	For 175 LB Rating, Add	546.17	
	For 250 LB Rating, Add	1,145.20	
	For Chain Operated Type, Add	880.93	
	For Work In Restricted Working Space, Add	280.62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0055 EA 14" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	4,963.56	965.15
For 150 LB Rating, Add	563.57	
For 175 LB Rating, Add	1,164.71	
For 250 LB Rating, Add	2,442.13	
For Work In Restricted Working Space, Add	361.93	
23 05 23 00-0056 EA 16" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	6,324.44	1,061.66
For 150 LB Rating, Add	749.60	
For 175 LB Rating, Add	1,549.18	
For 250 LB Rating, Add	3,248.28	
For Work In Restricted Working Space, Add	398.12	
23 05 23 00-0057 EA 18" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	8,468.24	1,177.47
For 150 LB Rating, Add	1,049.46	
For 175 LB Rating, Add	2,168.88	
For 250 LB Rating, Add	4,547.66	
For Work In Restricted Working Space, Add	441.55	
23 05 23 00-0058 EA 20" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	10,652.83	1,327.08
For 150 LB Rating, Add	1,349.10	
For 175 LB Rating, Add	2,788.14	
For 250 LB Rating, Add	5,846.09	
For Work In Restricted Working Space, Add	497.65	
23 05 23 00-0059 EA 24" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	14,443.26	1,628.68
For 150 LB Rating, Add	1,861.11	
For 175 LB Rating, Add	3,846.29	
For 250 LB Rating, Add	8,064.81	
For Work In Restricted Working Space, Add	610.76	
23 05 23 00-0060 EA 30" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	29,683.41	2,654.15
For 150 LB Rating, Add	3,954.86	
For 175 LB Rating, Add	8,173.37	
For 250 LB Rating, Add	17,137.72	
For Work In Restricted Working Space, Add	995.31	
23 05 23 00-0061 EA 36" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	37,923.57	3,538.87
For 150 LB Rating, Add	5,025.00	
For 175 LB Rating, Add	10,384.99	
For 250 LB Rating, Add	21,774.99	
For Work In Restricted Working Space, Add	1,327.08	
23 05 23 00-0062 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves (23 05 23 00-0001)		
Note: 800 psig at 850 degrees F.		
23 05 23 00-0063 EA 1/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	92.01	12.31
For Work In Restricted Working Space, Add	10.76	
23 05 23 00-0064 EA 1/2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	95.87	12.31
For Work In Restricted Working Space, Add	11.91	
23 05 23 00-0065 EA 3/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	117.21	13.54
For Work In Restricted Working Space, Add	16.06	
23 05 23 00-0066 EA 1" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	142.18	15.39
For Work In Restricted Working Space, Add	19.44	
23 05 23 00-0067 EA 1-1/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	206.94	16.37
For Work In Restricted Working Space, Add	24.62	
23 05 23 00-0068 EA 1-1/2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	243.31	18.95
For Work In Restricted Working Space, Add	28.41	
23 05 23 00-0069 EA 2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	301.62	22.40
For Work In Restricted Working Space, Add	33.57	
23 05 23 00-0070 Ball Valves (23 05 23)		
23 05 23 00-0071 Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0070)		
Note: 125 LB WSP.		
23 05 23 00-0072 EA 1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	46.33	12.31
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	2.98	
For Work In Restricted Working Space, Add	11.91	
23 05 23 00-0073 EA 3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	63.70	13.54
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	4.58	
For Work In Restricted Working Space, Add	16.06	
23 05 23 00-0074 EA 1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	78.54	15.39
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	6.19	
For Work In Restricted Working Space, Add	19.44	
23 05 23 00-0075 EA 1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	105.15	16.37
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	10.39	
For Work In Restricted Working Space, Add	24.62	
23 05 23 00-0076 EA 1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	124.17	18.95
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	13.27	
For Work In Restricted Working Space, Add	28.41	
23 05 23 00-0077 EA 2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	148.84	22.40
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	16.62	
For Work In Restricted Working Space, Add	33.57	
23 05 23 00-0078 EA 2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	325.34	30.25
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	78.43	
For Work In Restricted Working Space, Add	45.32	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 05 23 00-0079	EA 3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	375.38 2.63 90.49 52.29	35.12
23 05 23 00-0080	EA 4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	472.41 2.63 123.36 59.48	39.65
23 05 23 00-0081	Screwed, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0070)		
23 05 23 00-0082	EA 1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	48.52 10.76	12.31
23 05 23 00-0083	EA 1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	53.47 11.91	12.31
23 05 23 00-0084	EA 3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	73.42 16.06	13.54
23 05 23 00-0085	EA 1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	91.55 19.44	15.39
23 05 23 00-0086	EA 1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	127.80 24.62	16.37
23 05 23 00-0087	EA 1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	152.62 28.41	18.95
23 05 23 00-0088	EA 2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	191.67 33.57	22.40
23 05 23 00-0089	Flanged, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0070)		
23 05 23 00-0090	EA 4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	1,028.23 121.39	322.90
23 05 23 00-0091	EA 6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	1,646.02 149.36	396.87
23 05 23 00-0092	EA 8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	3,332.46 188.99	507.13
23 05 23 00-0093	Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves (23 05 23 00-0070)		
23 05 23 00-0094	EA 1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.62 4.05 11.91	12.31
23 05 23 00-0095	EA 3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.17 5.07 16.06	13.54
23 05 23 00-0096	EA 1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.66 6.55 19.44	15.39
23 05 23 00-0097	EA 1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.41 8.44 24.62	16.37
23 05 23 00-0098	EA 1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.68 12.17 28.41	18.95
23 05 23 00-0099	EA 2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.83 15.04 33.57	22.40
23 05 23 00-0100	EA 2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	200.39 27.66 45.32	30.25
23 05 23 00-0101	EA 3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	258.17 42.70 52.29	35.12
23 05 23 00-0102	EA 4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	358.63 74.55 59.48	39.65
23 05 23 00-0103	Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0070)		
23 05 23 00-0104	EA 1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.69 8.96 16.13	18.46
23 05 23 00-0105	EA 3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.52 8.96 16.98	18.46
23 05 23 00-0106	EA 1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.49 8.96 17.87	18.46
23 05 23 00-0107	EA 3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.40 9.50 24.08	20.31
23 05 23 00-0108	EA 1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.46 14.08 29.15	23.08
23 05 23 00-0109	EA 1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	165.91 19.26 36.93	24.56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0110 EA 1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	198.96	28.44
For Full Port, Add	25.61	
For Work In Restricted Working Space, Add	42.61	
23 05 23 00-0111 EA 2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	260.50	33.61
For Full Port, Add	41.69	
For Work In Restricted Working Space, Add	50.36	
23 05 23 00-0112 EA 2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	451.41	45.38
For Full Port, Add	101.17	
For Work In Restricted Working Space, Add	67.98	
23 05 23 00-0113 EA 3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	618.47	52.68
For Full Port, Add	160.65	
For Work In Restricted Working Space, Add	78.44	
23 05 23 00-0114 Three Piece Ball Valves (23 05 23 00-0070)		
23 05 23 00-0115 Threaded Or Sweated, Bronze Body, Three Piece Ball Valves (23 05 23 00-0114)		
23 05 23 00-0116 EA 1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	72.26	12.31
For Work In Restricted Working Space, Add	10.76	
23 05 23 00-0117 EA 3/8" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	74.14	12.31
For Work In Restricted Working Space, Add	11.32	
23 05 23 00-0118 EA 1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	81.93	12.31
For Work In Restricted Working Space, Add	11.92	
23 05 23 00-0119 EA 3/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	105.32	13.54
For Work In Restricted Working Space, Add	16.06	
23 05 23 00-0120 EA 1" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	132.82	15.39
For Work In Restricted Working Space, Add	19.44	
23 05 23 00-0121 EA 1-1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	179.86	16.37
For Work In Restricted Working Space, Add	24.62	
23 05 23 00-0122 EA 1-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	221.28	18.95
For Work In Restricted Working Space, Add	28.41	
23 05 23 00-0123 EA 2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	341.28	22.40
For Work In Restricted Working Space, Add	33.57	
23 05 23 00-0124 EA 2-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	697.39	32.13
For Work In Restricted Working Space, Add	49.23	
23 05 23 00-0125 Threaded, Carbon Steel Body, Three Piece Ball Valves (23 05 23 00-0114)		
23 05 23 00-0126 EA 1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve.....	81.05	12.31
For Work In Restricted Working Space, Add	10.76	
23 05 23 00-0127 EA 3/8" Threaded, Carbon Steel Body, Three Piece Ball Valve.....	88.02	12.31
For Work In Restricted Working Space, Add	11.32	
23 05 23 00-0128 EA 1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve.....	93.26	12.31
For Work In Restricted Working Space, Add	11.92	
23 05 23 00-0129 EA 3/4" Threaded, Carbon Steel Body, Three Piece Ball Valve.....	144.05	13.54
For Work In Restricted Working Space, Add	16.06	
23 05 23 00-0130 EA 1" Threaded, Carbon Steel Body, Three Piece Ball Valve.....	182.31	15.39
For Work In Restricted Working Space, Add	19.44	
23 05 23 00-0131 EA 1-1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve.....	268.32	16.37
For Work In Restricted Working Space, Add	24.62	
23 05 23 00-0132 EA 1-1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve.....	336.71	18.95
For Work In Restricted Working Space, Add	28.41	
23 05 23 00-0133 EA 2" Threaded, Carbon Steel Body, Three Piece Ball Valve.....	432.46	22.40
For Work In Restricted Working Space, Add	33.57	
23 05 23 00-0134 Threaded, Stainless Steel Body, Three Piece Ball Valves (23 05 23 00-0114)		
23 05 23 00-0135 EA 1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	182.00	12.31
For Work In Restricted Working Space, Add	10.76	
23 05 23 00-0136 EA 3/8" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	194.77	12.31
For Work In Restricted Working Space, Add	11.32	
23 05 23 00-0137 EA 1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	205.27	12.31
For Work In Restricted Working Space, Add	11.92	
23 05 23 00-0138 EA 3/4" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	295.86	13.54
For Work In Restricted Working Space, Add	16.06	
23 05 23 00-0139 EA 1" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	360.47	15.39
For Work In Restricted Working Space, Add	19.44	
23 05 23 00-0140 EA 1-1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	424.04	16.37
For Work In Restricted Working Space, Add	24.62	
23 05 23 00-0141 EA 1-1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	560.59	18.95
For Work In Restricted Working Space, Add	28.41	
23 05 23 00-0142 EA 2" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	724.22	22.40
For Work In Restricted Working Space, Add	33.57	
23 05 23 00-0143 EA 3" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	1,854.39	38.16
For Work In Restricted Working Space, Add	56.81	
23 05 23 00-0144 Crimped Bronze, Ball Valves (23 05 23 00-0070)		
23 05 23 00-0145 Crimped Bronze, 250 PSI, Ball Valves (23 05 23 00-0144)		
Note: Nibco®		
23 05 23 00-0146 EA 1/2" Crimped Bronze, 250 PSI, Ball Valve.....	64.93	12.31
For Work In Restricted Working Space, Add	8.31	
23 05 23 00-0147 EA 3/4" Crimped Bronze, 250 PSI, Ball Valve.....	82.29	13.54
For Work In Restricted Working Space, Add	9.46	
23 05 23 00-0148 EA 1" Crimped Bronze, 250 PSI, Ball Valve.....	104.50	15.39
For Work In Restricted Working Space, Add	11.31	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0149	EA		1-1/4" Crimped Bronze, 250 PSI, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	161.03 12.47	16.37
23 05 23 00-0150	EA		1-1/2" Crimped Bronze, 250 PSI, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	209.31 13.85	18.95
23 05 23 00-0151	EA		2" Crimped Bronze, 250 PSI, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	309.73 16.62	22.40
23 05 23 00-0152			Crimped Bronze, 200 PSI, Full Port Ball Valves (23 05 23 00-0144)		
23 05 23 00-0153	EA		1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	59.71	12.31
23 05 23 00-0154	EA		3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	76.55	13.54
23 05 23 00-0155	EA		1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	93.11	15.39
23 05 23 00-0156	EA		1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	131.59	16.37
23 05 23 00-0157	EA		1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	170.83	18.95
23 05 23 00-0158	EA		2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	254.51	22.40
23 05 23 00-0159			Crimped Bronze, 250 PSI, Full Port Ball Valves (23 05 23 00-0144)		
23 05 23 00-0160	EA		1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	69.24	12.31
23 05 23 00-0161	EA		3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	83.48	13.54
23 05 23 00-0162	EA		1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	104.19	15.39
23 05 23 00-0163	EA		1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	166.21	16.37
23 05 23 00-0164	EA		1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	245.28	18.95
23 05 23 00-0165	EA		2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	341.07	22.40
23 05 23 00-0166			Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves (23 05 23 00-0144)		
23 05 23 00-0167	EA		1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	66.65	12.31
23 05 23 00-0168	EA		3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	81.06	13.54
23 05 23 00-0169	EA		1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	98.64	15.39
23 05 23 00-0170			Globe Valves (23 05 23)		
23 05 23 00-0171			Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves (23 05 23 00-0170)		
23 05 23 00-0172	EA		1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.12 4.78 5.86 6.93 8.48 11.91	12.31
23 05 23 00-0173	EA		1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.26 4.78 5.86 6.93 8.48 10.76	12.31
23 05 23 00-0174	EA		3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.73 7.13 8.74 10.35 12.65 11.32	12.31
23 05 23 00-0175	EA		1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.71 7.13 8.74 10.35 12.65 41.18 11.91	12.31
23 05 23 00-0176	EA		3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.45 7.73 9.47 11.22 13.71 48.83 16.06	12.93
23 05 23 00-0177	EA		1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.48 10.44 12.80 15.16 18.53 62.98 19.44	12.93
23 05 23 00-0178	EA		1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.26 18.04 22.11 26.19 32.00 96.84 24.62	16.37
23 05 23 00-0179	EA		1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.85 25.78 31.60 37.42 45.74 129.35 28.41	18.95

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0180	EA		2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	209.68	22.40
			<i>For 150 LB Rating, Add</i>	30.31	
			<i>For 200 LB Rating, Add</i>	37.15	
			<i>For 250 LB Rating, Add</i>	44.00	
			<i>For 300 LB Rating, Add</i>	53.77	
			<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	152.31	
			<i>For Work In Restricted Working Space, Add</i>	33.57	
23 05 23 00-0181	EA		2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	249.63	30.25
			<i>For 150 LB Rating, Add</i>	30.56	
			<i>For 200 LB Rating, Add</i>	37.46	
			<i>For 250 LB Rating, Add</i>	44.36	
			<i>For 300 LB Rating, Add</i>	54.21	
			<i>For Work In Restricted Working Space, Add</i>	45.32	
23 05 23 00-0182	EA		3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	395.13	35.12
			<i>For 150 LB Rating, Add</i>	68.46	
			<i>For 200 LB Rating, Add</i>	83.92	
			<i>For 250 LB Rating, Add</i>	99.37	
			<i>For 300 LB Rating, Add</i>	121.46	
			<i>For Work In Restricted Working Space, Add</i>	52.29	
23 05 23 00-0183 Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0170)					
23 05 23 00-0184	EA		2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	283.68	22.40
			<i>For 150 LB Rating, Add</i>	53.25	
			<i>For 200 LB Rating, Add</i>	65.27	
			<i>For 250 LB Rating, Add</i>	77.30	
			<i>For 300 LB Rating, Add</i>	94.47	
			<i>For Chain Operated Type, Add</i>	143.43	
			<i>For Work In Restricted Working Space, Add</i>	33.57	
23 05 23 00-0185	EA		2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	359.26	30.25
			<i>For 150 LB Rating, Add</i>	64.54	
			<i>For 200 LB Rating, Add</i>	79.12	
			<i>For 250 LB Rating, Add</i>	93.69	
			<i>For 300 LB Rating, Add</i>	114.51	
			<i>For Chain Operated Type, Add</i>	173.85	
			<i>For Work In Restricted Working Space, Add</i>	45.32	
23 05 23 00-0186	EA		3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	424.15	35.12
			<i>For 150 LB Rating, Add</i>	77.45	
			<i>For 200 LB Rating, Add</i>	94.94	
			<i>For 250 LB Rating, Add</i>	112.43	
			<i>For 300 LB Rating, Add</i>	137.42	
			<i>For Chain Operated Type, Add</i>	208.62	
			<i>For Work In Restricted Working Space, Add</i>	52.29	
23 05 23 00-0187	EA		4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	531.35	39.65
			<i>For 150 LB Rating, Add</i>	103.27	
			<i>For 200 LB Rating, Add</i>	126.59	
			<i>For 250 LB Rating, Add</i>	149.91	
			<i>For 300 LB Rating, Add</i>	183.22	
			<i>For Chain Operated Type, Add</i>	278.16	
			<i>For Work In Restricted Working Space, Add</i>	59.47	
23 05 23 00-0188 Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0170)					
23 05 23 00-0189	EA		2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	345.56	164.09
			<i>For 150 LB Rating, Add</i>	43.52	
			<i>For 250 LB Rating, Add</i>	63.18	
			<i>For Chain Operated Type, Add</i>	70.20	
			<i>For Work In Restricted Working Space, Add</i>	61.55	
23 05 23 00-0190	EA		2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	377.14	164.28
			<i>For 150 LB Rating, Add</i>	53.06	
			<i>For 250 LB Rating, Add</i>	77.02	
			<i>For Chain Operated Type, Add</i>	85.58	
			<i>For Work In Restricted Working Space, Add</i>	61.80	
23 05 23 00-0191	EA		3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	446.44	192.61
			<i>For 150 LB Rating, Add</i>	63.67	
			<i>For 250 LB Rating, Add</i>	92.42	
			<i>For Chain Operated Type, Add</i>	102.69	
			<i>For Work In Restricted Working Space, Add</i>	72.32	
23 05 23 00-0192	EA		4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	678.47	322.90
			<i>For 150 LB Rating, Add</i>	84.89	
			<i>For 250 LB Rating, Add</i>	123.23	
			<i>For Chain Operated Type, Add</i>	136.92	
			<i>For Work In Restricted Working Space, Add</i>	121.39	
23 05 23 00-0193	EA		5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	826.60	357.20
			<i>For 150 LB Rating, Add</i>	118.05	
			<i>For 250 LB Rating, Add</i>	171.36	
			<i>For Chain Operated Type, Add</i>	190.40	
			<i>For Work In Restricted Working Space, Add</i>	133.74	
23 05 23 00-0194	EA		6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	979.23	396.87
			<i>For 150 LB Rating, Add</i>	149.22	
			<i>For 250 LB Rating, Add</i>	216.61	
			<i>For Chain Operated Type, Add</i>	240.68	
			<i>For Work In Restricted Working Space, Add</i>	149.36	
23 05 23 00-0195	EA		8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	1,370.17	507.13
			<i>For 150 LB Rating, Add</i>	229.47	
			<i>For 250 LB Rating, Add</i>	333.09	
			<i>For Chain Operated Type, Add</i>	370.11	
			<i>For Work In Restricted Working Space, Add</i>	188.99	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05	23 00-0196	EA	10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,899.14	617.37
			For 150 LB Rating, Add	349.50	
			For 250 LB Rating, Add	507.34	
			For Chain Operated Type, Add	563.72	
			For Work In Restricted Working Space, Add	231.51	
23 05	23 00-0197	EA	12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	3,068.82	749.66
			For 150 LB Rating, Add	661.36	
			For 250 LB Rating, Add	960.03	
			For Chain Operated Type, Add	1,066.71	
			For Work In Restricted Working Space, Add	280.62	
23 05	23 00-0198		Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves (23 05 23 00-0170)		
23 05	23 00-0199	EA	1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	51.38	12.31
			For 150 LB Rating, Add	3.62	
			For 200 LB Rating, Add	4.43	
			For 300 LB Rating, Add	6.42	
			For Work In Restricted Working Space, Add	11.91	
23 05	23 00-0200	EA	1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	47.52	12.31
			For 150 LB Rating, Add	3.62	
			For 200 LB Rating, Add	4.43	
			For 300 LB Rating, Add	6.42	
			For Work In Restricted Working Space, Add	10.76	
23 05	23 00-0201	EA	3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	49.40	12.31
			For 150 LB Rating, Add	3.62	
			For 200 LB Rating, Add	4.43	
			For 300 LB Rating, Add	6.42	
			For Work In Restricted Working Space, Add	11.32	
23 05	23 00-0202	EA	1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	52.16	12.31
			For 150 LB Rating, Add	3.86	
			For 200 LB Rating, Add	4.73	
			For 300 LB Rating, Add	6.85	
			For Work In Restricted Working Space, Add	11.91	
23 05	23 00-0203	EA	3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	70.78	12.93
			For 150 LB Rating, Add	5.35	
			For 200 LB Rating, Add	6.56	
			For 300 LB Rating, Add	9.49	
			For Work In Restricted Working Space, Add	16.06	
23 05	23 00-0204	EA	1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	87.44	12.93
			For 150 LB Rating, Add	7.02	
			For 200 LB Rating, Add	8.61	
			For 300 LB Rating, Add	12.46	
			For Work In Restricted Working Space, Add	19.44	
23 05	23 00-0205	EA	1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	115.72	16.37
			For 150 LB Rating, Add	10.43	
			For 200 LB Rating, Add	12.79	
			For 300 LB Rating, Add	18.51	
			For Work In Restricted Working Space, Add	24.62	
23 05	23 00-0206	EA	1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	133.92	18.95
			For 150 LB Rating, Add	12.16	
			For 200 LB Rating, Add	14.91	
			For 300 LB Rating, Add	21.58	
			For Work In Restricted Working Space, Add	28.41	
23 05	23 00-0207	EA	2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	171.00	22.40
			For 150 LB Rating, Add	18.32	
			For 200 LB Rating, Add	22.45	
			For 300 LB Rating, Add	32.50	
			For Work In Restricted Working Space, Add	33.57	
23 05	23 00-0208	EA	2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	270.72	32.87
			For 150 LB Rating, Add	33.04	
			For 200 LB Rating, Add	40.50	
			For 300 LB Rating, Add	58.62	
			For Work In Restricted Working Space, Add	49.24	
23 05	23 00-0209	EA	3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	369.89	38.16
			For 150 LB Rating, Add	55.96	
			For 200 LB Rating, Add	68.59	
			For 300 LB Rating, Add	99.28	
			For Work In Restricted Working Space, Add	56.81	
23 05	23 00-0210		Flanged, 125 LB, Iron Body, Angle Globe Valves (23 05 23 00-0170)		
23 05	23 00-0211	EA	2" Flanged, 125 LB, Iron Body, Angle Globe Valve	566.38	164.09
			For 250 LB Rating, Add	216.73	
			For Chain Operated Type, Add	140.87	
			For Work In Restricted Working Space, Add	61.55	
23 05	23 00-0212	EA	2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve	633.18	164.28
			For 250 LB Rating, Add	256.31	
			For Chain Operated Type, Add	166.60	
			For Work In Restricted Working Space, Add	61.80	
23 05	23 00-0213	EA	3" Flanged, 125 LB, Iron Body, Angle Globe Valve	744.47	192.61
			For 250 LB Rating, Add	302.05	
			For Chain Operated Type, Add	196.33	
			For Work In Restricted Working Space, Add	72.32	
23 05	23 00-0214	EA	4" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,123.65	322.90
			For 250 LB Rating, Add	431.41	
			For Chain Operated Type, Add	280.42	
			For Work In Restricted Working Space, Add	121.39	

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

23 05 23 00-0215	EA	5" Flanged, 125 LB, Iron Body, Angle Globe Valve <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,734.42 773.17 502.56 133.74	357.20
23 05 23 00-0216	EA	6" Flanged, 125 LB, Iron Body, Angle Globe Valve <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,786.50 773.17 502.56 149.36	396.87
23 05 23 00-0217	EA	8" Flanged, 125 LB, Iron Body, Angle Globe Valve <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,152.04 1,513.25 983.61 188.99	507.13

23 05 23 00-0218 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves (23 05 23 00-0170)
 Note: 800 PSIG at 850 degrees F.

23 05 23 00-0219	EA	1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	110.50 10.76	19.94
23 05 23 00-0220	EA	1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	114.36 11.91	19.94
23 05 23 00-0221	EA	3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	138.44 16.06	26.84
23 05 23 00-0222	EA	1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	170.26 19.44	32.37
23 05 23 00-0223	EA	1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	262.88 24.62	40.99
23 05 23 00-0224	EA	1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	313.17 28.41	47.39
23 05 23 00-0225	EA	2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	393.39 33.57	56.01

23 05 23 00-0226 Triple Duty Valves (23 05 23)

Note: Valves function as a shut-off, check valve and calibrated balancing valve.

23 05 23 00-0227 Straight Pattern, Triple Duty Valves (23 05 23 00-0226)

Note: Bell & Gossett 3DX and 3DS-S Series.

23 05 23 00-0228	EA	1" Threaded, Straight Pattern, Triple Duty Valve	228.93	12.93
23 05 23 00-0229	EA	1-1/4" Threaded, Straight Pattern, Triple Duty Valve	267.86	16.37
23 05 23 00-0230	EA	1-1/2" Threaded, Straight Pattern, Triple Duty Valve	292.92	18.95
23 05 23 00-0231	EA	2" Flanged, Straight Pattern, Triple Duty Valve	744.19	164.09
23 05 23 00-0232	EA	2-1/2" Flanged, Straight Pattern, Triple Duty Valve	828.65	164.28
23 05 23 00-0233	EA	3" Flanged, Straight Pattern, Triple Duty Valve	913.28	192.61
23 05 23 00-0234	EA	4" Flanged, Straight Pattern, Triple Duty Valve	1,835.81	322.90
23 05 23 00-0235	EA	5" Flanged, Straight Pattern Triple Duty Valve	2,134.10	357.20
23 05 23 00-0236	EA	6" Flanged, Straight Pattern, Triple Duty Valve	2,802.64	396.87
23 05 23 00-0237	EA	8" Flanged, Straight Pattern, Triple Duty Valve	3,758.74	507.13
23 05 23 00-0238	EA	10" Flanged, Straight Pattern, Triple Duty Valve	5,938.84	617.37

23 05 23 00-0239 Flanged, Angle Pattern, Triple Duty Valves (23 05 23 00-0226)

Note: Bell & Gossett 3D-S Series.

23 05 23 00-0240	EA	2" Flanged, Angle Pattern, Triple Duty Valve.....	728.70	164.09
23 05 23 00-0241	EA	2-1/2" Flanged, Angle Pattern, Triple Duty Valve	810.06	164.28
23 05 23 00-0242	EA	3" Flanged, Angle Pattern, Triple Duty Valve	897.79	192.61
23 05 23 00-0243	EA	4" Flanged, Angle Pattern, Triple Duty Valve.....	1,795.54	322.90
23 05 23 00-0244	EA	5" Flanged, Angle Pattern, Triple Duty Valve.....	2,084.54	357.20
23 05 23 00-0245	EA	6" Flanged, Angle Pattern, Triple Duty Valve.....	2,337.97	396.87
23 05 23 00-0246	EA	8" Flanged, Angle Pattern, Triple Duty Valve.....	3,538.79	507.13
23 05 23 00-0247	EA	10" Flanged, Angle Pattern, Triple Duty Valve.....	4,702.82	617.37

23 05 23 00-0248 Balanced, Straight Pattern, Triple Duty Valves (23 05 23 00-0226)

Note: Bell & Gossett 3DS-B Series.

23 05 23 00-0249	EA	3" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	845.13	192.61
23 05 23 00-0250	EA	4" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,656.14	322.90
23 05 23 00-0251	EA	5" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,926.55	357.20
23 05 23 00-0252	EA	6" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,520.74	396.87
23 05 23 00-0253	EA	8" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	3,374.61	507.13
23 05 23 00-0254	EA	10" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	5,297.60	617.37
23 05 23 00-0255	EA	12" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	7,887.20	749.66
23 05 23 00-0256	EA	14" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	9,572.99	881.95
23 05 23 00-0257	EA	16" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	11,928.61	970.15

23 05 23 00-0258 Grooved Straight Pattern, Triple Duty Valves (23 05 23 00-0226)

Note: Bell & Gossett 3DS-G Series.

23 05 23 00-0259	EA	2" Grooved, Straight Pattern, Triple Duty Valve.....	726.45	30.41
23 05 23 00-0260	EA	2-1/2" Grooved, Straight Pattern, Triple Duty Valve.....	866.34	36.25
23 05 23 00-0261	EA	3" Grooved, Straight Pattern, Triple Duty Valve.....	1,006.84	39.32
23 05 23 00-0262	EA	4" Grooved, Straight Pattern, Triple Duty Valve.....	1,659.39	42.37
23 05 23 00-0263	EA	5" Grooved, Straight Pattern, Triple Duty Valve.....	1,926.97	56.23
23 05 23 00-0264	EA	6" Grooved, Straight Pattern Triple Duty Valve.....	2,567.69	72.10
23 05 23 00-0265	EA	8" Grooved, Straight Pattern Triple Duty Valve.....	3,488.52	91.50
23 05 23 00-0266	EA	10" Grooved, Straight Pattern Triple Duty Valve.....	5,482.56	102.53
23 05 23 00-0267	EA	12" Grooved, Straight Pattern Triple Duty Valve.....	8,683.78	125.02

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 05 23 00-0268		Plug Valves (23 05 23)			
23 05 23 00-0269		Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated (23 05 23 00-0268)			
		Note: Includes wrench.			
23 05 23 00-0270	EA	1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	148.90		12.31
23 05 23 00-0271	EA	3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	162.71		13.54
23 05 23 00-0272	EA	1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	204.07		15.39
23 05 23 00-0273	EA	1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	246.97		16.37
23 05 23 00-0274	EA	1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	274.08		18.95
23 05 23 00-0275	EA	2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	323.61		22.40
23 05 23 00-0276	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	475.29		30.25
23 05 23 00-0277	EA	3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	575.41		35.12
23 05 23 00-0278		Plug Valves, Lubricated, Semisteel Flanged (23 05 23 00-0268)			
		Note: Wrench operated for 4", gear operated for 6" and 10".			
23 05 23 00-0279	EA	2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	355.09		164.09
23 05 23 00-0280	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	403.47		164.28
23 05 23 00-0281	EA	3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	489.21		192.61
23 05 23 00-0282	EA	4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	740.66		322.90
23 05 23 00-0283	EA	6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,394.31		396.87
23 05 23 00-0284	EA	8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	2,244.99		507.13
23 05 23 00-0285	EA	10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,463.08		617.37
23 05 23 00-0286	EA	12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	5,020.55		749.66
23 05 23 00-0287		Plug Valves, Forged Steel, Screwed (23 05 23 00-0268)			
23 05 23 00-0288	EA	1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	506.76		12.31
23 05 23 00-0289	EA	3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	602.64		13.54
23 05 23 00-0290	EA	1" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	683.81		15.39
23 05 23 00-0291	EA	1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	823.00		16.37
23 05 23 00-0292	EA	1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	957.88		18.95
23 05 23 00-0293	EA	2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,252.69		22.40
23 05 23 00-0294		Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0268)			
23 05 23 00-0295	EA	4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	838.97		322.90
23 05 23 00-0296	EA	6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,242.67		396.87
23 05 23 00-0297	EA	8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,668.12		507.13
23 05 23 00-0298	EA	10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,308.29		617.37
23 05 23 00-0299	EA	12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,951.90		749.66
23 05 23 00-0300		Foot Valves (23 05 23)			
23 05 23 00-0301		Single Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0300)			
23 05 23 00-0302	EA	1" Single Poppet Foot Valve, Metal To Metal Seat Construction	81.50		32.67
23 05 23 00-0303	EA	1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	91.62		36.59
23 05 23 00-0304	EA	1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	110.48		41.82
23 05 23 00-0305	EA	2" Single Poppet Foot Valve, Metal To Metal Seat Construction	136.69		47.04
23 05 23 00-0306	EA	2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	275.42		77.09
23 05 23 00-0307	EA	3" Single Poppet Foot Valve, Metal To Metal Seat Construction	346.08		94.09
23 05 23 00-0308		Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0300)			
23 05 23 00-0309	EA	1" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	81.50		32.67
23 05 23 00-0310	EA	1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	133.14		36.59
23 05 23 00-0311	EA	1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	134.43		41.82
23 05 23 00-0312	EA	2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	171.80		47.04
23 05 23 00-0313	EA	3" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	318.95		77.09
23 05 23 00-0314	EA	4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	419.95		92.78
23 05 23 00-0315		Float Valves (23 05 23)			
23 05 23 00-0316		Float Valve Assembly For Maintaining Liquid Level In Tanks (23 05 23 00-0315)			
23 05 23 00-0317		Single Seat, Bronze Construction (23 05 23 00-0316)			
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.			
23 05 23 00-0318	EA	Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve.....	126.76		25.86
23 05 23 00-0319	EA	Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve.....	146.65		30.78
23 05 23 00-0320	EA	Inlet Size 1", Maximum PSI 100, Single Seat Float Valve.....	181.65		33.24
23 05 23 00-0321	EA	Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve	287.55		41.86
23 05 23 00-0322	EA	Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve	299.85		48.01
23 05 23 00-0323		Double Seat, Bronze Construction (23 05 23 00-0316)			
		Note: For hot or cold water or oil to open tanks.			
23 05 23 00-0324	EA	Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve.....	546.98		25.86
23 05 23 00-0325	EA	Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve.....	556.83		30.78
23 05 23 00-0326	EA	Pipe Size 1" Maximum PSI 150, Double Seat Float Valve.....	639.31		33.24
23 05 23 00-0327	EA	Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve.....	712.83		41.86
23 05 23 00-0328	EA	Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve.....	815.18		48.01
23 05 23 00-0329	EA	Pipe Size 2" Maximum PSI 150, Double Seat Float Valve.....	1,062.06		56.62

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

23 05 23 00-0330	EA		Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve	1,247.05	75.91
23 05 23 00-0331	EA		Pipe Size 3" Maximum PSI 150, Double Seat Float Valve.....	1,495.96	87.24
23 05 23 00-0332			Float Valve Single Seated Balanced For Air Oil Or Water (23 05 23 00-0315)		
			Note: Includes arm, ball and bracket.		
23 05 23 00-0333			Brass Body Threaded Ends (23 05 23 00-0332)		
23 05 23 00-0334	EA		1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	158.08	33.36
23 05 23 00-0335	EA		3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	177.66	37.06
23 05 23 00-0336	EA		1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	211.59	40.99
23 05 23 00-0337	EA		1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	339.38	66.23
23 05 23 00-0338	EA		1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	365.97	75.47
23 05 23 00-0339	EA		2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	426.64	93.56
23 05 23 00-0340			Cast Iron Body Flanged (23 05 23 00-0332)		
23 05 23 00-0341	EA		2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	3,371.03	164.28
23 05 23 00-0342	EA		3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	4,071.36	192.61
23 05 23 00-0343			Float Operated Valves (23 05 23 00-0315)		
23 05 23 00-0344			For Condensate Receivers Tanks And Vessels (23 05 23 00-0343)		
			Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0345	EA		1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	431.74	57.86
23 05 23 00-0346			For Condensate Receivers Tanks And Vessels (23 05 23 00-0343)		
			Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0347	EA		3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	583.89	107.63
23 05 23 00-0348			Needle Valves (23 05 23)		
23 05 23 00-0349			Bronze Needle Valve (23 05 23 00-0348)		
			Note: For heating and cooling applications.		
23 05 23 00-0350	EA		1/4" Needle Valve, Bronze.....	71.33	12.31
23 05 23 00-0351	EA		3/8" Needle Valve, Bronze.....	78.21	12.31
23 05 23 00-0352	EA		1/2" Needle Valve, Bronze.....	84.62	12.31
23 05 23 00-0353	EA		3/4" Needle Valve, Bronze.....	124.46	13.54
23 05 23 00-0354	EA		1" Needle Valve, Bronze.....	180.50	15.39
23 05 23 00-0355			Eccentric Valves With Taps (23 05 23)		
23 05 23 00-0356			Screwed Eccentric Valves With Taps (23 05 23 00-0355)		
23 05 23 00-0357	EA		1/2" Diameter Eccentric Valves With Taps, Screwed.....	155.00	12.31
23 05 23 00-0358	EA		3/4" Diameter Eccentric Valves With Taps, Screwed.....	170.59	13.54
23 05 23 00-0359	EA		1" Diameter Eccentric Valves With Taps, Screwed.....	213.79	15.39
23 05 23 00-0360	EA		1-1/4" Diameter Eccentric Valves With Taps, Screwed	261.22	16.37
23 05 23 00-0361	EA		1-1/2" Diameter Eccentric Valves With Taps, Screwed	288.03	18.95
23 05 23 00-0362	EA		2" Diameter Eccentric Valves With Taps, Screwed.....	338.95	22.40
23 05 23 00-0363	EA		2-1/2" Diameter Eccentric Valves With Taps, Screwed	502.26	30.25
23 05 23 00-0364	EA		3" Diameter Eccentric Valves With Taps, Screwed.....	605.32	35.12
23 05 23 00-0365			Flanged Eccentric Valves With Taps (23 05 23 00-0355)		
23 05 23 00-0366	EA		2-1/2" Diameter Eccentric Valves With Taps, Flanged	622.82	164.28
23 05 23 00-0367	EA		3" Diameter Eccentric Valves With Taps, Flanged.....	737.71	192.61
23 05 23 00-0368	EA		4" Diameter Eccentric Valves With Taps, Flanged.....	1,034.31	322.90
23 05 23 00-0369	EA		5" Diameter Eccentric Valves With Taps, Flanged.....	1,332.68	357.20
23 05 23 00-0370	EA		6" Diameter Eccentric Valves With Taps, Flanged.....	1,650.82	396.87
23 05 23 00-0371	EA		8" Diameter Eccentric Valves With Taps, Flanged.....	2,714.13	507.13
23 05 23 00-0372	EA		10" Diameter Eccentric Valves With Taps, Flanged.....	3,742.76	617.37
23 05 23 00-0373	EA		12" Diameter Eccentric Valves With Taps, Flanged.....	6,212.35	749.66
23 05 23 00-0374			Check Valves (23 05 23)		
23 05 23 00-0375			Iron Body Wafer Type Check Valve (23 05 23 00-0374)		
23 05 23 00-0376			Single Disk Type (23 05 23 00-0375)		
23 05 23 00-0377	EA		2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	337.38	174.18
			For 150 LB Rating, Add	25.11	
			For 200 LB Rating, Add	29.90	
			For 300 LB Rating, Add	35.88	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	97.37	
23 05 23 00-0378	EA		2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	375.37	174.39
			For 150 LB Rating, Add	32.90	
			For 200 LB Rating, Add	39.17	
			For 300 LB Rating, Add	47.01	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	114.25	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 05 23 00-0379	EA 3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	453.96	204.47
	For 150 LB Rating, Add	41.59	
	For 200 LB Rating, Add	49.52	
	For 300 LB Rating, Add	59.42	
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	140.31	
23 05 23 00-0380	EA 4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	697.79	342.77
	For 150 LB Rating, Add	56.33	
	For 200 LB Rating, Add	67.06	
	For 300 LB Rating, Add	80.48	
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	206.62	
23 05 23 00-0381	EA 6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,021.54	481.09
	For 150 LB Rating, Add	88.24	
	For 200 LB Rating, Add	105.05	
	For 300 LB Rating, Add	126.05	
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	309.35	
23 05 23 00-0382	EA 8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,333.88	553.25
	For 150 LB Rating, Add	135.41	
	For 200 LB Rating, Add	161.20	
	For 300 LB Rating, Add	193.44	
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	427.98	
23 05 23 00-0383	EA 10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,877.96	673.53
	For 150 LB Rating, Add	216.28	
	For 200 LB Rating, Add	257.47	
	For 300 LB Rating, Add	308.97	
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	633.06	
23 05 23 00-0384	Twin Disc Type <small>(23 05 23 00-0375)</small>		
23 05 23 00-0385	EA 2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	352.08	174.18
	For 150 LB Rating, Add	28.20	
	For 200 LB Rating, Add	33.57	
	For 300 LB Rating, Add	40.29	
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	103.99	
23 05 23 00-0386	EA 2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	379.85	174.39
	For 150 LB Rating, Add	33.85	
	For 200 LB Rating, Add	40.29	
	For 300 LB Rating, Add	48.35	
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	116.26	
23 05 23 00-0387	EA 3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	443.95	204.47
	For 150 LB Rating, Add	39.49	
	For 200 LB Rating, Add	47.01	
	For 300 LB Rating, Add	56.42	
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	135.80	
23 05 23 00-0388	EA 4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	668.34	342.77
	For 150 LB Rating, Add	50.15	
	For 200 LB Rating, Add	59.70	
	For 300 LB Rating, Add	71.64	
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	193.37	
23 05 23 00-0389	EA 6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	986.44	481.09
	For 150 LB Rating, Add	80.87	
	For 200 LB Rating, Add	96.27	
	For 300 LB Rating, Add	115.52	
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	293.56	
23 05 23 00-0390	EA 8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,275.36	553.25
	For 150 LB Rating, Add	123.50	
	For 200 LB Rating, Add	147.02	
	For 300 LB Rating, Add	176.42	
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	402.09	
23 05 23 00-0391	EA 10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,773.60	60.14
	For 150 LB Rating, Add	195.58	
	For 200 LB Rating, Add	232.84	
	For 300 LB Rating, Add	279.41	
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	587.56	
23 05 23 00-0392	EA 12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	2,267.06	817.86
	For 150 LB Rating, Add	262.04	
	For 200 LB Rating, Add	311.95	
	For 300 LB Rating, Add	374.34	
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	765.36	
23 05 23 00-0393	EA 14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	3,786.64	936.95
	For 150 LB Rating, Add	532.85	
	For 200 LB Rating, Add	634.34	
	For 300 LB Rating, Add	761.21	
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,391.67	
23 05 23 00-0394	EA 16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	4,956.37	1,099.37
	For 150 LB Rating, Add	752.25	
	For 200 LB Rating, Add	895.54	
	For 300 LB Rating, Add	1,074.65	
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,886.81	
23 05 23 00-0395	EA 18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	6,390.55	1,224.30
	For 150 LB Rating, Add	1,021.37	
	For 200 LB Rating, Add	1,215.91	
	For 300 LB Rating, Add	1,459.10	
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	2,494.02	
23 05 23 00-0396	EA 20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	7,534.09	1,374.21
	For 150 LB Rating, Add	1,221.43	
	For 200 LB Rating, Add	1,454.08	
	For 300 LB Rating, Add	1,744.90	
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	2,960.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0397 EA 24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... For 150 LB Rating, Add For 200 LB Rating, Add For 300 LB Rating, Add For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	9,756.62 1,604.91 1,910.61 2,292.74 3,861.94	1,686.52
23 05 23 00-0398 Bronze Body Swing Check Valves (23 05 23 00-0374)		
23 05 23 00-0399 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves (23 05 23 00-0398)		
23 05 23 00-0400 EA 1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	58.70 7.41 11.91	12.31
23 05 23 00-0401 EA 1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	54.84 7.41 10.76	12.31
23 05 23 00-0402 EA 3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	56.72 7.41 11.32	12.31
23 05 23 00-0403 EA 1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	59.44 7.69 11.91	12.31
23 05 23 00-0404 EA 3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	77.42 9.32 16.06	12.93
23 05 23 00-0405 EA 1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	97.25 12.66 19.44	12.93
23 05 23 00-0406 EA 1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	127.63 17.77 24.62	16.37
23 05 23 00-0407 EA 1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	158.50 24.89 28.41	18.95
23 05 23 00-0408 EA 2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	193.94 31.99 33.57	22.40
23 05 23 00-0409 EA 2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	339.64 73.55 45.32	30.25
23 05 23 00-0410 EA 3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	442.51 104.60 52.29	35.12
23 05 23 00-0411 EA 4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	501.78 118.37 59.48	39.65
23 05 23 00-0412 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves (23 05 23 00-0374)		
23 05 23 00-0413 EA 1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	264.04 100.57 192.27 34.84	92.32
23 05 23 00-0414 EA 1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	296.76 110.81 211.84 40.14	107.71
23 05 23 00-0415 EA 1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	338.70 120.18 229.75 48.59	129.26
23 05 23 00-0416 EA 2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	424.67 149.26 285.35 61.55	164.09
23 05 23 00-0417 EA 2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	462.16 174.20 333.02 61.80	164.28
23 05 23 00-0418 EA 3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	519.44 189.30 361.89 72.32	192.61
23 05 23 00-0419 EA 4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	834.85 292.55 559.29 121.39	322.90
23 05 23 00-0420 EA 5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	1,077.45 429.52 821.15 133.74	357.20
23 05 23 00-0421 EA 6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	1,230.25 498.01 952.08 149.36	396.87
23 05 23 00-0422 EA 8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	2,458.41 1,243.35 2,376.99 188.99	507.13

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0423	EA		10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	3,260.62	617.37
			<i>For 150 LB Rating, Add</i>	1,692.46	
			<i>For 250 LB Rating, Add</i>	3,235.58	
			<i>For Work In Restricted Working Space, Add</i>	231.51	
23 05 23 00-0424	EA		12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	4,816.75	749.66
			<i>For 150 LB Rating, Add</i>	2,639.31	
			<i>For 250 LB Rating, Add</i>	5,045.74	
			<i>For Work In Restricted Working Space, Add</i>	280.62	
23 05 23 00-0425	EA		14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	5,600.63	965.15
			<i>For 150 LB Rating, Add</i>	2,988.06	
			<i>For 250 LB Rating, Add</i>	5,712.46	
			<i>For Work In Restricted Working Space, Add</i>	361.93	
23 05 23 00-0426	EA		16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	7,727.21	1,061.66
			<i>For 150 LB Rating, Add</i>	4,352.09	
			<i>For 250 LB Rating, Add</i>	8,320.17	
			<i>For Work In Restricted Working Space, Add</i>	398.12	
23 05 23 00-0427	EA		18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	11,531.04	1,177.47
			<i>For 150 LB Rating, Add</i>	6,840.26	
			<i>For 250 LB Rating, Add</i>	13,076.96	
			<i>For Work In Restricted Working Space, Add</i>	441.55	
23 05 23 00-0428	EA		20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	15,659.56	1,327.08
			<i>For 150 LB Rating, Add</i>	9,520.49	
			<i>For 250 LB Rating, Add</i>	18,200.94	
			<i>For Work In Restricted Working Space, Add</i>	497.65	
23 05 23 00-0429	EA		24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	21,636.00	1,628.68
			<i>For 150 LB Rating, Add</i>	13,328.10	
			<i>For 250 LB Rating, Add</i>	25,480.18	
			<i>For Work In Restricted Working Space, Add</i>	610.76	
23 05 23 00-0430			Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston		
			Check, Swing Check Valves (23 05 23 00-0374)		
			Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0431	EA		1/2" Class 800, Threaded, Forged Steel Swing Check Valve	105.46	12.31
			<i>For Work In Restricted Working Space, Add</i>	11.91	
23 05 23 00-0432	EA		3/4" 800, Threaded, Forged Steel Swing Check Valve	128.17	13.54
			<i>For Work In Restricted Working Space, Add</i>	16.06	
23 05 23 00-0433	EA		1" Class 800, Threaded, Forged Steel Swing Check Valve	152.45	15.39
			<i>For Work In Restricted Working Space, Add</i>	19.44	
23 05 23 00-0434	EA		1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve	225.44	16.37
			<i>For Work In Restricted Working Space, Add</i>	24.62	
23 05 23 00-0435	EA		1-1/2" 800, Threaded, Forged Steel Swing Check Valve	265.91	18.95
			<i>For Work In Restricted Working Space, Add</i>	28.41	
23 05 23 00-0436	EA		2" Class 800, Threaded, Forged Steel Swing Check Valve	350.25	22.40
			<i>For Work In Restricted Working Space, Add</i>	33.57	
23 05 23 00-0437			Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End		
			Connections (23 05 23 00-0374)		
23 05 23 00-0438	EA		1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	59.80	12.31
			<i>For Work In Restricted Working Space, Add</i>	11.91	
23 05 23 00-0439	EA		3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	73.61	13.54
			<i>For Work In Restricted Working Space, Add</i>	16.06	
23 05 23 00-0440	EA		1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	85.67	15.39
			<i>For Work In Restricted Working Space, Add</i>	19.44	
23 05 23 00-0441	EA		1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	103.81	16.37
			<i>For Work In Restricted Working Space, Add</i>	24.62	
23 05 23 00-0442	EA		1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	117.69	18.95
			<i>For Work In Restricted Working Space, Add</i>	28.41	
23 05 23 00-0443	EA		2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	147.66	22.40
			<i>For Work In Restricted Working Space, Add</i>	33.57	
23 05 23 00-0444	EA		2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	201.97	30.25
			<i>For Work In Restricted Working Space, Add</i>	45.32	
23 05 23 00-0445	EA		3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	240.36	35.12
			<i>For Work In Restricted Working Space, Add</i>	52.29	
23 05 23 00-0446			Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves (23 05 23 00-0374)		
			Note: Nibco®		
23 05 23 00-0447	EA		1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	113.75	12.31
			<i>For Work In Restricted Working Space, Add</i>	8.31	
23 05 23 00-0448	EA		3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	143.30	13.54
			<i>For Work In Restricted Working Space, Add</i>	9.46	
23 05 23 00-0449	EA		1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	195.70	15.39
			<i>For Work In Restricted Working Space, Add</i>	11.31	
23 05 23 00-0450	EA		1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	257.34	16.37
			<i>For Work In Restricted Working Space, Add</i>	12.47	
23 05 23 00-0451	EA		1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	305.64	18.95
			<i>For Work In Restricted Working Space, Add</i>	13.85	
23 05 23 00-0452	EA		2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	433.05	22.40
			<i>For Work In Restricted Working Space, Add</i>	16.62	
23 05 23 00-0453			Crimped Bronze, 250 PSI, In-Line, Check Valves (23 05 23 00-0374)		
23 05 23 00-0454	EA		1/2" Crimped Bronze, 250 PSI, In-Line Check Valve	52.41	12.31
23 05 23 00-0455	EA		3/4" Crimped Bronze, 250 PSI, In-Line Check Valve	63.18	13.54
23 05 23 00-0456	EA		1" Crimped Bronze, 250 PSI, In-Line Check Valve	74.16	15.39
23 05 23 00-0457	EA		1-1/4" Crimped Bronze, 250 PSI, In-Line Check Valve	94.27	16.37

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0458 EA 1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	121.01	18.95
23 05 23 00-0459 EA 2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	191.61	22.40
23 05 23 00-0460 Diaphragm Valves (23 05 23)		
23 05 23 00-0461 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0460)		
23 05 23 00-0462 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	164.84	36.83
23 05 23 00-0463 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	204.03	40.78
23 05 23 00-0464 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	228.27	50.42
23 05 23 00-0465 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	357.30	75.34
23 05 23 00-0466 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	540.07	90.64
23 05 23 00-0467 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0460)		
23 05 23 00-0468 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	187.95	59.09
23 05 23 00-0469 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	214.96	61.55
23 05 23 00-0470 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	262.34	92.32
23 05 23 00-0471 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	389.39	129.26
23 05 23 00-0472 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	590.40	164.09
23 05 23 00-0473 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	722.93	164.28
23 05 23 00-0474 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	889.68	192.61
23 05 23 00-0475 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,295.03	322.90
23 05 23 00-0476 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	2,492.70	396.87
23 05 23 00-0477 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	3,793.26	507.13
23 05 23 00-0478 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0460)		
23 05 23 00-0479 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	117.33	36.83
23 05 23 00-0480 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	145.25	40.78
23 05 23 00-0481 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	169.50	50.42
23 05 23 00-0482 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	277.27	75.34
23 05 23 00-0483 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	353.76	90.64
23 05 23 00-0484 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0460)		
23 05 23 00-0485 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	137.68	59.09
23 05 23 00-0486 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	160.43	61.55
23 05 23 00-0487 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	207.81	92.32
23 05 23 00-0488 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	315.13	129.26
23 05 23 00-0489 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	417.51	164.09
23 05 23 00-0490 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	482.83	164.28
23 05 23 00-0491 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	582.20	192.61
23 05 23 00-0492 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	932.58	322.90
23 05 23 00-0493 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,680.68	396.87
23 05 23 00-0494 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	2,505.32	507.13
23 05 23 00-0495 125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0460)		
23 05 23 00-0496 EA 1" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	245.92	92.32
23 05 23 00-0497 EA 1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	383.35	129.26
23 05 23 00-0498 EA 2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	508.61	164.09

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 23 00-0499	EA	2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	679.28	164.28
23 05 23 00-0500	EA	3" Diaphragm Valve, Cast Iron, 125 LB, Flanged	758.24	192.61
23 05 23 00-0501	EA	4" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,204.26	322.90
23 05 23 00-0502	EA	6" Diaphragm Valve, Cast Iron, 125 LB, Flanged	2,234.54	396.87
23 05 23 00-0503	EA	8" Diaphragm Valve, Cast Iron, 125 LB, Flanged	4,412.42	507.13
23 05 23 00-0504		Solenoid Valves <small>(23 05 23)</small>		
23 05 23 00-0505		Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure <small>(23 05 23 00-0504)</small>		
23 05 23 00-0506	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Water	82.90	12.31
23 05 23 00-0507	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Water	95.18	12.31
23 05 23 00-0508	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Water	123.28	13.54
23 05 23 00-0509	EA	1" Solenoid Valve, Bronze, 150 PSI, Water	174.06	15.39
23 05 23 00-0510	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Water	296.41	18.95
23 05 23 00-0511	EA	2" Solenoid Valve, Bronze, 150 PSI, Water	444.50	22.40
23 05 23 00-0512	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	604.65	30.25
23 05 23 00-0513	EA	3" Solenoid Valve, Bronze, 150 PSI, Water	852.94	35.12
23 05 23 00-0514		Flow Control Valves And Meters <small>(23 05 23)</small>		
23 05 23 00-0515		Conditioned Water Balancing Valves <small>(23 05 23 00-0514)</small>		
Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.				
23 05 23 00-0516	EA	1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	127.90	66.65
23 05 23 00-0517	EA	3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	159.59	88.85
23 05 23 00-0518	EA	1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	221.26	101.53
23 05 23 00-0519	EA	1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	284.31	125.45
23 05 23 00-0520	EA	1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	320.93	133.28
23 05 23 00-0521	EA	2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	414.07	152.37
23 05 23 00-0522	EA	2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	772.01	265.08
23 05 23 00-0523	EA	3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,033.14	302.97
23 05 23 00-0524	EA	3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,099.94	204.47
23 05 23 00-0525	EA	4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,415.24	342.77
23 05 23 00-0526	EA	6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,674.26	432.98
23 05 23 00-0527	EA	8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,723.57	553.25
23 05 23 00-0528	EA	10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	4,433.43	673.53
23 05 23 00-0529		Read Out Meters <small>(23 05 23 00-0514)</small>		
Note: For use with conditioned portable water balancing valves.				
23 05 23 00-0530	EA	0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	618.05	
23 05 23 00-0531	EA	0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	836.41	
23 05 23 00-0532	EA	0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	836.41	
23 05 23 00-0533	EA	0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	836.41	
23 05 23 00-0534		Balancing Valves <small>(23 05 23)</small>		
23 05 23 00-0535		Balancing Valves With Lever <small>(23 05 23 00-0534)</small>		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.				
23 05 23 00-0536	EA	1/2" Threaded Balancing Valve With Lever	178.45	41.16
23 05 23 00-0537	EA	3/4" Threaded Balancing Valve With Lever	208.15	54.23
23 05 23 00-0538	EA	1" Threaded Balancing Valve With Lever	226.14	62.07
23 05 23 00-0539	EA	1-1/4" Threaded Balancing Valve With Lever	264.09	77.09
23 05 23 00-0540	EA	1-1/2" Threaded Balancing Valve With Lever	282.45	81.67
23 05 23 00-0541	EA	2" Threaded Balancing Valve With Lever	315.72	93.44
23 05 23 00-0542	EA	2-1/2" Flanged Balancing Valve With Lever	469.31	174.39
23 05 23 00-0543	EA	3" Flanged Balancing Valve With Lever	538.79	204.47
23 05 23 00-0544	EA	4" Flanged Balancing Valve With Lever	840.22	342.77
23 05 23 00-0545	EA	5" Flanged Balancing Valve With Lever	1,179.93	389.68
23 05 23 00-0546	EA	6" Flanged Balancing Valve With Lever	1,236.74	432.98
23 05 23 00-0547	EA	8" Flanged Balancing Valve With Lever	1,650.09	553.25
23 05 23 00-0548		Balancing Valves With Nut <small>(23 05 23 00-0534)</small>		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.				
23 05 23 00-0549	EA	4" Flanged Balancing Valve With Nut	807.97	342.77
23 05 23 00-0550	EA	5" Flanged Balancing Valve With Nut	1,138.99	389.68
23 05 23 00-0551	EA	6" Flanged Balancing Valve With Nut	1,195.80	432.98
23 05 23 00-0552	EA	8" Flanged Balancing Valve With Nut	1,593.02	553.25
23 05 23 00-0553		Balancing Valves With Hand Wheel <small>(23 05 23 00-0534)</small>		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.				
23 05 23 00-0554	EA	4" Flanged Balancing Valve With Hand Wheel	1,049.91	342.77
23 05 23 00-0555	EA	5" Flanged Balancing Valve With Hand Wheel	1,393.34	389.68
23 05 23 00-0556	EA	6" Flanged Balancing Valve With Hand Wheel	1,450.15	432.98
23 05 23 00-0557	EA	8" Flanged Balancing Valve With Hand Wheel	1,870.95	553.25
23 05 23 00-0558	EA	10" Flanged Balancing Valve With Hand Wheel	2,695.58	673.53
23 05 23 00-0559	EA	12" Flanged Balancing Valve With Hand Wheel	3,486.90	530.07
23 05 23 00-0560	EA	14" Flanged Balancing Valve With Hand Wheel	4,629.06	999.42



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

23 05 23 00-0561 Balancing Valves With Chain Wheel (23 05 23 00-0534)
 Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.

23 05 23 00-0562	EA 4" Flanged Balancing Valve With Chain Wheel	1,181.43	342.77
23 05 23 00-0563	EA 5" Flanged Balancing Valve With Chain Wheel	1,526.10	389.68
23 05 23 00-0564	EA 6" Flanged Balancing Valve With Chain Wheel	1,582.91	432.98
23 05 23 00-0565	EA 8" Flanged Balancing Valve With Chain Wheel	2,002.46	553.25
23 05 23 00-0566	EA 10" Flanged Balancing Valve With Chain Wheel	2,828.33	673.53
23 05 23 00-0567	EA 12" Flanged Balancing Valve With Chain Wheel	3,649.76	529.69
23 05 23 00-0568	EA 14" Flanged Balancing Valve With Chain Wheel	4,790.35	999.42

23 05 23 00-0569 Calibrated Balancing Valves (23 05 23 00-0534)
 Note: Bell & Gossett CB Series.

23 05 23 00-0570	EA 1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S)	91.72	13.07
23 05 23 00-0571	EA 3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S)	111.33	14.37
23 05 23 00-0572	EA 1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S)	135.69	16.33
23 05 23 00-0573	EA 1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S)	180.05	17.38
23 05 23 00-0574	EA 1" Threaded Calibrated Balancing Valve (CB-1)	142.51	16.33
23 05 23 00-0575	EA 1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	191.83	17.38
23 05 23 00-0576	EA 1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	222.57	20.12
23 05 23 00-0577	EA 2" Threaded Calibrated Balancing Valve (CB-2)	292.27	23.79
23 05 23 00-0578	EA 2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	521.13	34.89
23 05 23 00-0579	EA 3" Threaded Calibrated Balancing Valve (CB-3)	712.11	40.51
23 05 23 00-0580	EA 2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F)	696.06	189.47
23 05 23 00-0581	EA 3" Flanged Calibrated Balancing Valve (CB-3F)	975.03	222.15
23 05 23 00-0582	EA 4" Flanged Calibrated Balancing Valve (CB-4F)	1,541.62	372.42
23 05 23 00-0583	EA 5" Flanged Calibrated Balancing Valve (CB-5F)	2,148.56	423.38
23 05 23 00-0584	EA 6" Flanged Calibrated Balancing Valve (CB-6F)	2,774.08	470.42
23 05 23 00-0585	EA 8" Flanged Calibrated Balancing Valve (CB-8F)	4,851.28	601.09
23 05 23 00-0586	EA 10" Flanged Calibrated Balancing Valve (CB-10F)	6,676.61	699.59
23 05 23 00-0587	EA 12" Flanged Calibrated Balancing Valve (CB-12F)	13,618.17	849.51
23 05 23 00-0588	EA 4" Grooved Calibrated Balancing Valve (CB-4G)	1,581.94	42.37
23 05 23 00-0589	EA 5" Grooved Calibrated Balancing Valve (CB-5G)	1,830.94	56.23
23 05 23 00-0590	EA 6" Grooved Calibrated Balancing Valve (CB-6G)	2,431.39	72.10
23 05 23 00-0591	EA 8" Grooved Calibrated Balancing Valve (CB-8G)	4,516.99	91.50
23 05 23 00-0592	EA 10" Grooved Calibrated Balancing Valve (CB-10G)	6,056.68	102.53
23 05 23 00-0593	EA 12" Grooved Calibrated Balancing Valve (CB-12G)	12,402.93	125.02

23 05 23 00-0594 Butterfly Valves (23 05 23)

23 05 23 00-0595 Cast Iron Body, Iron Disc, Butterfly Valves (23 05 23 00-0594)
 Note: With on-off handle, 150 PSI wafer type.

23 05 23 00-0596	EA 2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	290.53	164.09
	<i>For 200 PSI, Add</i>	40.97	
	<i>For Work In Restricted Working Space, Add</i>	61.55	
23 05 23 00-0597	EA 2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	296.32	164.28
	<i>For 200 PSI, Add</i>	43.36	
	<i>For Work In Restricted Working Space, Add</i>	61.80	
23 05 23 00-0598	EA 3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	338.33	192.61
	<i>For 200 PSI, Add</i>	46.69	
	<i>For Work In Restricted Working Space, Add</i>	72.32	
23 05 23 00-0599	EA 4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	526.72	322.90
	<i>For 200 PSI, Add</i>	58.60	
	<i>For Work In Restricted Working Space, Add</i>	121.39	
23 05 23 00-0600	EA 5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	671.58	396.87
	<i>For 200 PSI, Add</i>	83.38	
	<i>For Work In Restricted Working Space, Add</i>	149.36	
23 05 23 00-0601	EA 6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	763.63	440.98
	<i>For 200 PSI, Add</i>	101.96	
	<i>For Work In Restricted Working Space, Add</i>	165.37	
23 05 23 00-0602	EA 8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	949.57	507.13
	<i>For 200 PSI, Add</i>	153.41	
	<i>For Work In Restricted Working Space, Add</i>	188.99	
23 05 23 00-0603	EA 10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,391.09	617.37
	<i>For 200 PSI, Add</i>	297.30	
	<i>For Work In Restricted Working Space, Add</i>	231.51	
23 05 23 00-0604	EA 12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,724.52	749.66
	<i>For 200 PSI, Add</i>	378.77	
	<i>For Work In Restricted Working Space, Add</i>	280.62	

23 05 23 00-0605 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve (23 05 23 00-0594)

23 05 23 00-0606	EA 2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	791.83	32.87
	<i>For Work In Restricted Working Space, Add</i>	19.39	
23 05 23 00-0607	EA 3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	860.08	38.16
	<i>For Work In Restricted Working Space, Add</i>	23.08	
23 05 23 00-0608	EA 4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,077.38	43.08
	<i>For Work In Restricted Working Space, Add</i>	30.47	

23 05 23 00-0609 Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Butterfly Valves (23 05 23 00-0594)

23 05 23 00-0610	EA 2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	439.42	164.09
	<i>For Work In Restricted Working Space, Add</i>	61.55	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 05 23 00-0611	EA	2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	442.23	164.28
		<i>For Work In Restricted Working Space, Add</i>	61.80	
23 05 23 00-0612	EA	3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	489.21	192.61
		<i>For Work In Restricted Working Space, Add</i>	72.32	
23 05 23 00-0613	EA	4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	684.54	322.90
		<i>For Work In Restricted Working Space, Add</i>	121.39	
23 05 23 00-0614	EA	5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	846.28	396.87
		<i>For Work In Restricted Working Space, Add</i>	149.36	
23 05 23 00-0615	EA	6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	937.28	440.98
		<i>For Work In Restricted Working Space, Add</i>	165.37	
23 05 23 00-0616	EA	8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,130.23	507.13
		<i>For Work In Restricted Working Space, Add</i>	188.99	
23 05 23 00-0617	EA	10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,417.89	617.37
		<i>For Work In Restricted Working Space, Add</i>	231.51	
23 05 23 00-0618	EA	12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,874.40	749.66
		<i>For Work In Restricted Working Space, Add</i>	280.62	

23 05 23 00-0619 Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Butterfly Valves (23 05 23)

23 05 23 00-0620	EA	14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	2,882.64	904.83
		<i>For 200 PSI, Add</i>	603.44	
		<i>For Work In Restricted Working Space, Add</i>	361.93	
23 05 23 00-0621	EA	16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	3,579.05	1,061.66
		<i>For 200 PSI, Add</i>	810.71	
		<i>For Work In Restricted Working Space, Add</i>	398.12	
23 05 23 00-0622	EA	18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	4,820.39	1,182.30
		<i>For 200 PSI, Add</i>	1,204.51	
		<i>For Work In Restricted Working Space, Add</i>	442.36	
23 05 23 00-0623	EA	20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	6,084.15	1,327.08
		<i>For 200 PSI, Add</i>	1,593.11	
		<i>For Work In Restricted Working Space, Add</i>	497.65	
23 05 23 00-0624	EA	24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	8,084.06	1,628.68
		<i>For 200 PSI, Add</i>	2,175.26	
		<i>For Work In Restricted Working Space, Add</i>	612.50	

23 05 29 Hangers And Supports For HVAC Piping And Equipment (23 05)**23 05 29 00-0001 Hangers And Supports** (23 05 29)**23 05 29 00-0002 Clevis Hangers** (23 05 29 00-0001)**23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100)** (23 05 29 00-0002)

Note: Type 1.

23 05 29 00-0004	EA	1/2" Steel Clevis Hanger (Cooper B-Line B3100)	22.37	10.20
		<i>For Work In Restricted Working Space, Add</i>	6.12	
23 05 29 00-0005	EA	3/4" Steel Clevis Hanger (Cooper B-Line B3100)	24.63	11.33
		<i>For Work In Restricted Working Space, Add</i>	6.80	
23 05 29 00-0006	EA	1" Steel Clevis Hanger (Cooper B-Line B3100)	25.90	11.33
		<i>For Work In Restricted Working Space, Add</i>	7.16	
23 05 29 00-0007	EA	1-1/4" Steel Clevis Hanger (Cooper B-Line B3100)	26.86	12.26
		<i>For Work In Restricted Working Space, Add</i>	7.36	
23 05 29 00-0008	EA	1-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	27.12	12.26
		<i>For Work In Restricted Working Space, Add</i>	7.36	
23 05 29 00-0009	EA	2" Steel Clevis Hanger (Cooper B-Line B3100)	28.30	12.46
		<i>For Work In Restricted Working Space, Add</i>	7.55	
23 05 29 00-0010	EA	2-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	30.96	12.91
		<i>For Work In Restricted Working Space, Add</i>	7.77	
23 05 29 00-0011	EA	3" Steel Clevis Hanger (Cooper B-Line B3100)	33.02	13.59
		<i>For Work In Restricted Working Space, Add</i>	8.00	
23 05 29 00-0012	EA	3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	34.53	14.93
		<i>For Work In Restricted Working Space, Add</i>	8.53	
23 05 29 00-0013	EA	4" Steel Clevis Hanger (Cooper B-Line B3100)	37.86	15.87
		<i>For Work In Restricted Working Space, Add</i>	9.06	
23 05 29 00-0014	EA	5" Steel Clevis Hanger (Cooper B-Line B3100)	48.54	18.98
		<i>For Work In Restricted Working Space, Add</i>	11.39	
23 05 29 00-0015	EA	6" Steel Clevis Hanger (Cooper B-Line B3100)	58.40	22.66
		<i>For Work In Restricted Working Space, Add</i>	13.60	
23 05 29 00-0016	EA	8" Steel Clevis Hanger (Cooper B-Line B3100)	78.31	28.33
		<i>For Work In Restricted Working Space, Add</i>	17.00	
23 05 29 00-0017	EA	10" Steel Clevis Hanger (Cooper B-Line B3100)	114.14	38.52
		<i>For Work In Restricted Working Space, Add</i>	22.66	
23 05 29 00-0018	EA	12" Steel Clevis Hanger (Cooper B-Line B3100)	133.62	42.48
		<i>For Work In Restricted Working Space, Add</i>	25.49	
23 05 29 00-0019	EA	14" Steel Clevis Hanger (Cooper B-Line B3100)	165.94	47.59
		<i>For Work In Restricted Working Space, Add</i>	29.23	
23 05 29 00-0020	EA	16" Steel Clevis Hanger (Cooper B-Line B3100)	206.30	56.65
		<i>For Work In Restricted Working Space, Add</i>	33.99	
23 05 29 00-0021	EA	18" Steel Clevis Hanger (Cooper B-Line B3100)	257.15	70.81
		<i>For Work In Restricted Working Space, Add</i>	42.49	
23 05 29 00-0022	EA	20" Steel Clevis Hanger (Cooper B-Line B3100)	412.68	84.98
		<i>For Work In Restricted Working Space, Add</i>	50.99	
23 05 29 00-0023	EA	24" Steel Clevis Hanger (Cooper B-Line B3100)	627.03	99.13
		<i>For Work In Restricted Working Space, Add</i>	59.48	

23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) (23 05 29 00-0002)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0025	EA		1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	27.61 6.12	10.20
23 05 29 00-0026	EA		3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	29.87 6.80	11.33
23 05 29 00-0027	EA		1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	31.25 7.16	11.33
23 05 29 00-0028	EA		1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	32.32 7.36	12.26
23 05 29 00-0029	EA		1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	32.99 7.36	12.26
23 05 29 00-0030	EA		2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	33.84 7.55	12.46
23 05 29 00-0031	EA		2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	37.73 7.77	12.91
23 05 29 00-0032	EA		3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	39.56 8.00	13.59
23 05 29 00-0033	EA		3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	44.37 9.06	15.87
23 05 29 00-0034	EA		4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	48.79 9.06	15.87
23 05 29 00-0035	EA		5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	79.34 11.39	18.98
23 05 29 00-0036	EA		6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	98.23 13.60	22.66
23 05 29 00-0037	EA		8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	117.14 17.00	28.33
23 05 29 00-0038			Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) (23 05 29 00-0002)		
23 05 29 00-0039	EA		1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	22.18 6.12	10.20
23 05 29 00-0040	EA		3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	24.48 6.80	11.33
23 05 29 00-0041	EA		1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	25.86 7.16	11.33
23 05 29 00-0042	EA		1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	26.57 7.36	12.26
23 05 29 00-0043	EA		1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	26.72 7.36	12.26
23 05 29 00-0044	EA		2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	27.48 7.55	12.46
23 05 29 00-0045	EA		2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	29.89 7.77	12.91
23 05 29 00-0046	EA		3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	31.19 8.00	13.59
23 05 29 00-0047	EA		3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	35.15 9.06	15.87
23 05 29 00-0048	EA		4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	36.19 9.06	15.87
23 05 29 00-0049			Extended Steel Clevis Hanger (Cooper B-Line B3108) (23 05 29 00-0002)		
23 05 29 00-0050	EA		3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	31.02 6.80	11.33
23 05 29 00-0051	EA		1" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	32.29 7.16	11.33
23 05 29 00-0052	EA		1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	32.96 7.36	12.26
23 05 29 00-0053	EA		1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	34.00 7.36	12.26
23 05 29 00-0054	EA		2" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	36.40 7.55	12.46
23 05 29 00-0055	EA		2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	38.95 7.77	12.91
23 05 29 00-0056	EA		3" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	40.85 8.00	13.59
23 05 29 00-0057	EA		4" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	48.94 9.06	15.87
23 05 29 00-0058	EA		5" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	61.73 11.39	18.98
23 05 29 00-0059	EA		6" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	76.08 13.60	22.66
23 05 29 00-0060	EA		8" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	107.33 17.00	28.33
23 05 29 00-0061	EA		10" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	150.47 22.66	38.52
23 05 29 00-0062	EA		12" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	169.02 25.49	42.48
23 05 29 00-0063			Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) (23 05 29 00-0002)		
23 05 29 00-0064	EA		2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	37.63 7.55	12.46
23 05 29 00-0065	EA		2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	40.10 7.77	12.91
23 05 29 00-0066	EA		3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	42.16 8.00	13.59

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-0067	EA	3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	46.71	15.87
		<i>For Work In Restricted Working Space, Add</i>	9.06	
23 05 29 00-0068	EA	4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	49.31	15.87
		<i>For Work In Restricted Working Space, Add</i>	9.06	
23 05 29 00-0069	EA	5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	61.25	18.98
		<i>For Work In Restricted Working Space, Add</i>	11.39	
23 05 29 00-0070	EA	6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	71.55	22.66
		<i>For Work In Restricted Working Space, Add</i>	13.60	
23 05 29 00-0071	EA	8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	94.77	28.33
		<i>For Work In Restricted Working Space, Add</i>	17.00	
23 05 29 00-0072		Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) (23 05 29 00-0072)		
23 05 29 00-0073	EA	1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	24.12	10.48
		<i>For Work In Restricted Working Space, Add</i>	6.29	
23 05 29 00-0074	EA	3/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	25.82	11.33
		<i>For Work In Restricted Working Space, Add</i>	6.80	
23 05 29 00-0075	EA	1" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	27.01	11.33
		<i>For Work In Restricted Working Space, Add</i>	7.16	
23 05 29 00-0076	EA	1-1/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	27.79	11.71
		<i>For Work In Restricted Working Space, Add</i>	7.28	
23 05 29 00-0077	EA	1-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	28.36	12.08
		<i>For Work In Restricted Working Space, Add</i>	7.42	
23 05 29 00-0078	EA	2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	29.34	12.46
		<i>For Work In Restricted Working Space, Add</i>	7.55	
23 05 29 00-0079	EA	2-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	31.72	13.03
		<i>For Work In Restricted Working Space, Add</i>	7.73	
23 05 29 00-0080	EA	3" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	35.13	13.59
		<i>For Work In Restricted Working Space, Add</i>	8.00	
23 05 29 00-0081	EA	3-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	37.88	14.73
		<i>For Work In Restricted Working Space, Add</i>	8.50	
23 05 29 00-0082	EA	4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	40.11	15.87
		<i>For Work In Restricted Working Space, Add</i>	9.06	
23 05 29 00-0083	EA	5" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	49.38	19.26
		<i>For Work In Restricted Working Space, Add</i>	10.89	
23 05 29 00-0084	EA	6" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	64.02	22.66
		<i>For Work In Restricted Working Space, Add</i>	13.60	
23 05 29 00-0085		Adjustable Hangers (23 05 29 00-0001)		
23 05 29 00-0086		Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) (23 05 29 00-0085) Note: Type 5.		
23 05 29 00-0087	EA	1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	20.46	8.97
		<i>For Work In Restricted Working Space, Add</i>	5.38	
23 05 29 00-0088	EA	3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	22.43	9.95
		<i>For Work In Restricted Working Space, Add</i>	5.97	
23 05 29 00-0089	EA	1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	24.61	11.05
		<i>For Work In Restricted Working Space, Add</i>	6.63	
23 05 29 00-0090	EA	1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	27.17	12.28
		<i>For Work In Restricted Working Space, Add</i>	7.37	
23 05 29 00-0091	EA	1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	28.54	12.90
		<i>For Work In Restricted Working Space, Add</i>	7.74	
23 05 29 00-0092	EA	2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	30.56	13.51
		<i>For Work In Restricted Working Space, Add</i>	8.11	
23 05 29 00-0093	EA	2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	35.01	14.13
		<i>For Work In Restricted Working Space, Add</i>	8.48	
23 05 29 00-0094	EA	3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	36.58	14.74
		<i>For Work In Restricted Working Space, Add</i>	8.84	
23 05 29 00-0095	EA	4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	43.50	16.59
		<i>For Work In Restricted Working Space, Add</i>	9.95	
23 05 29 00-0096		Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0085) Note: Type 10.		
23 05 29 00-0097	EA	1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	23.81	11.33
		<i>For Work In Restricted Working Space, Add</i>	6.80	
		<i>For 304 Stainless Steel, Add</i>	7.59	
		<i>For 316 Stainless Steel, Add</i>	9.78	
23 05 29 00-0098	EA	3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	25.11	11.33
		<i>For Work In Restricted Working Space, Add</i>	7.16	
		<i>For 304 Stainless Steel, Add</i>	8.32	
		<i>For 316 Stainless Steel, Add</i>	10.71	
23 05 29 00-0099	EA	1" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	26.44	12.46
		<i>For Work In Restricted Working Space, Add</i>	7.55	
		<i>For 304 Stainless Steel, Add</i>	8.32	
		<i>For 316 Stainless Steel, Add</i>	10.71	
23 05 29 00-0100	EA	1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	28.07	13.59
		<i>For Work In Restricted Working Space, Add</i>	8.00	
		<i>For 304 Stainless Steel, Add</i>	9.31	
		<i>For 316 Stainless Steel, Add</i>	11.99	
23 05 29 00-0101	EA	1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	31.62	15.87
		<i>For Work In Restricted Working Space, Add</i>	9.06	
		<i>For 304 Stainless Steel, Add</i>	9.31	
		<i>For 316 Stainless Steel, Add</i>	11.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0102	EA		2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	33.86 9.71 9.83 12.67	15.87
23 05 29 00-0103	EA		2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	37.28 10.46 15.97 20.57	16.99
23 05 29 00-0104	EA		3" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	40.30 11.33 16.70 21.51	19.26
23 05 29 00-0105	EA		3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	44.74 12.41 22.31 28.73	20.68
23 05 29 00-0106	EA		4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	48.70 13.60 22.31 28.73	22.66
23 05 29 00-0107	EA		5" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	58.01 15.29 46.40 59.76	25.49
23 05 29 00-0108	EA		6" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	63.78 17.00 47.06 60.61	28.33
23 05 29 00-0109	EA		8" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	76.44 20.39 55.90 72.00	33.99
23 05 29 00-0110			Roller Hangers (23 05 29 00-0001)		
23 05 29 00-0111			Single Pipe Roll (Cooper B-Line B3114) (23 05 29 00-0110) Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0112	EA		2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	35.63 5.77	9.63
23 05 29 00-0113	EA		2-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	39.25 6.49	10.82
23 05 29 00-0114	EA		3" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	43.84 7.58	12.63
23 05 29 00-0115	EA		3-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	50.42 8.66	14.43
23 05 29 00-0116	EA		4" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	68.78 9.74	16.24
23 05 29 00-0117	EA		5" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	62.24 10.82	18.04
23 05 29 00-0118	EA		6" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	77.26 12.99	21.64
23 05 29 00-0119	EA		8" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	103.20 15.15	25.26
23 05 29 00-0120	EA		10" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	122.38 18.04	30.07
23 05 29 00-0121			Adjustable Clevis Roller Hanger (Cooper B-Line B3110) (23 05 29 00-0110) Note: Type 43.		
23 05 29 00-0122	EA		2" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	53.59 9.80 138.07 177.82	16.99
23 05 29 00-0123	EA		2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	55.94 10.51 138.07 177.82	17.51
23 05 29 00-0124	EA		3" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	60.67 11.20 153.98 198.31	18.29
23 05 29 00-0125	EA		3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	70.26 11.76 205.00 264.01	19.60
23 05 29 00-0126	EA		4" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	74.61 13.07 205.00 264.01	22.22

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-0127	EA	5" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	84.08	23.92
		<i>For Work In Restricted Working Space, Add</i>	14.35	
		<i>For 304 Stainless Steel, Add</i>	239.32	
		<i>For 316 Stainless Steel, Add</i>	308.21	
23 05 29 00-0128	EA	6" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	97.30	26.14
		<i>For Work In Restricted Working Space, Add</i>	15.68	
		<i>For 304 Stainless Steel, Add</i>	297.20	
		<i>For 316 Stainless Steel, Add</i>	382.76	
23 05 29 00-0129	EA	8" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	132.74	32.67
		<i>For Work In Restricted Working Space, Add</i>	19.60	
		<i>For 304 Stainless Steel, Add</i>	444.84	
		<i>For 316 Stainless Steel, Add</i>	572.90	
23 05 29 00-0130	EA	10" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	167.41	44.43
		<i>For Work In Restricted Working Space, Add</i>	26.14	
		<i>For 304 Stainless Steel, Add</i>	529.91	
		<i>For 316 Stainless Steel, Add</i>	682.47	
23 05 29 00-0131	EA	12" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	216.05	49.00
		<i>For Work In Restricted Working Space, Add</i>	29.40	
		<i>For 304 Stainless Steel, Add</i>	779.06	
		<i>For 316 Stainless Steel, Add</i>	1,003.34	
23 05 29 00-0132	EA	14" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	439.49	56.19
		<i>For Work In Restricted Working Space, Add</i>	33.71	
		<i>For 304 Stainless Steel, Add</i>	2,158.93	
		<i>For 316 Stainless Steel, Add</i>	2,780.44	
23 05 29 00-0133	EA	16" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	550.56	65.34
		<i>For Work In Restricted Working Space, Add</i>	39.20	
		<i>For 304 Stainless Steel, Add</i>	2,771.27	
		<i>For 316 Stainless Steel, Add</i>	3,569.07	

23 05 29 00-0134 Pipe And Riser Clamps (23 05 29 00-0001)

Note: Includes bolts and weldless eye nuts.

23 05 29 00-0135 Steel Pipe Clamp (Cooper B-Line B3140) (23 05 29 00-0134)

Note: Type 4.

23 05 29 00-0136	EA	1/2" Steel Pipe Clamp (Cooper B-Line B3140).....	19.61	7.37
		<i>For Work In Restricted Working Space, Add</i>	4.42	
23 05 29 00-0137	EA	3/4" Steel Pipe Clamp (Cooper B-Line B3140).....	19.85	7.49
		<i>For Work In Restricted Working Space, Add</i>	4.49	
23 05 29 00-0138	EA	1" Steel Pipe Clamp (Cooper B-Line B3140).....	20.13	7.61
		<i>For Work In Restricted Working Space, Add</i>	4.57	
23 05 29 00-0139	EA	1-1/4" Steel Pipe Clamp (Cooper B-Line B3140).....	21.86	7.74
		<i>For Work In Restricted Working Space, Add</i>	4.64	
23 05 29 00-0140	EA	1-1/2" Steel Pipe Clamp (Cooper B-Line B3140).....	22.11	7.86
		<i>For Work In Restricted Working Space, Add</i>	4.72	
23 05 29 00-0141	EA	2" Steel Pipe Clamp (Cooper B-Line B3140).....	23.48	7.98
		<i>For Work In Restricted Working Space, Add</i>	4.79	
23 05 29 00-0142	EA	2-1/2" Steel Pipe Clamp (Cooper B-Line B3140).....	24.41	8.23
		<i>For Work In Restricted Working Space, Add</i>	4.94	
23 05 29 00-0143	EA	3" Steel Pipe Clamp (Cooper B-Line B3140).....	25.83	8.47
		<i>For Work In Restricted Working Space, Add</i>	5.09	
23 05 29 00-0144	EA	3-1/2" Steel Pipe Clamp (Cooper B-Line B3140).....	29.76	8.59
		<i>For Work In Restricted Working Space, Add</i>	5.16	
23 05 29 00-0145	EA	4" Steel Pipe Clamp (Cooper B-Line B3140).....	34.67	11.05
		<i>For Work In Restricted Working Space, Add</i>	6.63	
23 05 29 00-0146	EA	5" Steel Pipe Clamp (Cooper B-Line B3140).....	49.54	14.74
		<i>For Work In Restricted Working Space, Add</i>	8.84	
23 05 29 00-0147	EA	6" Steel Pipe Clamp (Cooper B-Line B3140).....	67.61	18.42
		<i>For Work In Restricted Working Space, Add</i>	11.06	
23 05 29 00-0148	EA	8" Steel Pipe Clamp (Cooper B-Line B3140).....	79.55	21.50
		<i>For Work In Restricted Working Space, Add</i>	12.90	
23 05 29 00-0149	EA	10" Steel Pipe Clamp (Cooper B-Line B3140).....	115.05	24.57
		<i>For Work In Restricted Working Space, Add</i>	14.74	
23 05 29 00-0150	EA	12" Steel Pipe Clamp (Cooper B-Line B3140).....	156.00	27.03
		<i>For Work In Restricted Working Space, Add</i>	16.22	
23 05 29 00-0151	EA	14" Steel Pipe Clamp (Cooper B-Line B3140).....	250.32	29.48
		<i>For Work In Restricted Working Space, Add</i>	17.69	
23 05 29 00-0152	EA	16" Steel Pipe Clamp (Cooper B-Line B3140).....	271.32	31.94
		<i>For Work In Restricted Working Space, Add</i>	19.16	
23 05 29 00-0153	EA	18" Steel Pipe Clamp (Cooper B-Line B3140).....	438.34	34.40
		<i>For Work In Restricted Working Space, Add</i>	20.64	
23 05 29 00-0154	EA	20" Steel Pipe Clamp (Cooper B-Line B3140).....	506.49	36.85
		<i>For Work In Restricted Working Space, Add</i>	22.11	
23 05 29 00-0155	EA	24" Steel Pipe Clamp (Cooper B-Line B3140).....	659.06	40.53
		<i>For Work In Restricted Working Space, Add</i>	24.32	

23 05 29 00-0156 Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0134)

Note: Type 8.

23 05 29 00-0157	EA	1/2" Steel Riser Clamp (Cooper B-Line B3373).....	19.68	6.80
		<i>For Work In Restricted Working Space, Add</i>	4.08	
23 05 29 00-0158	EA	3/4" Steel Riser Clamp (Cooper B-Line B3373).....	20.48	6.91
		<i>For Work In Restricted Working Space, Add</i>	4.15	
23 05 29 00-0159	EA	1" Steel Riser Clamp (Cooper B-Line B3373).....	20.78	7.02
		<i>For Work In Restricted Working Space, Add</i>	4.22	
23 05 29 00-0160	EA	1-1/4" Steel Riser Clamp (Cooper B-Line B3373).....	22.42	7.13
		<i>For Work In Restricted Working Space, Add</i>	4.28	
23 05 29 00-0161	EA	1-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	23.27	7.25
		<i>For Work In Restricted Working Space, Add</i>	4.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0162	EA		2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	23.84 4.42	7.37
23 05 29 00-0163	EA		2-1/2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	24.84 4.55	7.59
23 05 29 00-0164	EA		3" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	26.30 4.69	7.82
23 05 29 00-0165	EA		3-1/2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	28.84 4.76	7.93
23 05 29 00-0166	EA		4" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	35.08 6.12	10.20
23 05 29 00-0167	EA		5" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	45.40 8.16	13.59
23 05 29 00-0168	EA		6" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	57.55 10.20	16.99
23 05 29 00-0169	EA		8" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	78.22 11.90	19.82
23 05 29 00-0170	EA		10" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	102.39 13.60	22.66
23 05 29 00-0171	EA		12" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	123.56 14.96	24.93
23 05 29 00-0172	EA		14" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	165.29 16.31	27.19
23 05 29 00-0173	EA		16" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	312.08 17.67	29.46
23 05 29 00-0174			Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0134)		
23 05 29 00-0175	EA		1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	34.17 4.08	6.80
23 05 29 00-0176	EA		3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	34.71 4.15	6.91
23 05 29 00-0177	EA		1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	36.12 4.22	7.02
23 05 29 00-0178	EA		1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	38.58 4.28	7.13
23 05 29 00-0179	EA		1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	43.48 4.35	7.25
23 05 29 00-0180	EA		2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	46.16 4.42	7.37
23 05 29 00-0181	EA		2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	49.92 4.55	7.59
23 05 29 00-0182	EA		3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	54.79 4.69	7.82
23 05 29 00-0183	EA		4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	74.17 6.12	10.20
23 05 29 00-0184			Copper Tubing Riser Clamp (Cooper B-Line B3373CT) (23 05 29 00-0134)		
23 05 29 00-0185	EA		1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	23.18	6.80
23 05 29 00-0186	EA		3/4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	23.42	6.91
23 05 29 00-0187	EA		1" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	23.64	7.02
23 05 29 00-0188	EA		1-1/4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	24.18	7.13
23 05 29 00-0189	EA		1-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	26.59	7.25
23 05 29 00-0190	EA		2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	27.48	7.37
23 05 29 00-0191	EA		2-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	30.19	7.59
23 05 29 00-0192	EA		3" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	33.00	7.82
23 05 29 00-0193	EA		3-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	38.93	7.93
23 05 29 00-0194	EA		4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	43.69	10.20
23 05 29 00-0195	EA		5" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	58.12	13.59
23 05 29 00-0196	EA		6" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	73.84	16.99
23 05 29 00-0197			Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0134) Note: Type 42		
23 05 29 00-0198	EA		4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	76.16 4.72	7.93
23 05 29 00-0199	EA		6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	80.86 5.13	8.50
23 05 29 00-0200	EA		8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	88.76 5.43	9.06
23 05 29 00-0201	EA		10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	94.69 5.42	9.06
23 05 29 00-0202	EA		12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	114.48 6.11	10.20
23 05 29 00-0203	EA		14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	353.47 6.80	11.33
23 05 29 00-0204	EA		16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	473.38 8.16	13.59
23 05 29 00-0205	EA		18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	564.04 9.52	15.87
23 05 29 00-0206	EA		20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	821.05 10.20	16.99
23 05 29 00-0207	EA		24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	1,131.09 10.88	18.13
23 05 29 00-0208			Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0134)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0209	EA		4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	70.36 4.72	7.93
23 05 29 00-0210	EA		6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	75.88 5.13	8.50
23 05 29 00-0211	EA		8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	132.03 5.43	9.06
23 05 29 00-0212	EA		10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	146.71 5.42	9.06
23 05 29 00-0213	EA		12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	210.39 6.11	10.20
23 05 29 00-0214	EA		14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	322.17 6.80	11.33
23 05 29 00-0215	EA		16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	431.99 8.16	13.59
23 05 29 00-0216	EA		18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	514.14 9.52	15.87
23 05 29 00-0217	EA		20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	750.97 10.20	16.99
23 05 29 00-0218	EA		24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	1,027.35 10.88	18.13
23 05 29 00-0219			Split Pipe Clamps And Rings (23 05 29 00-0001)		
23 05 29 00-0220			Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0219) Note: Type 6.		
23 05 29 00-0221	EA		3/4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	32.59 6.26	10.44
23 05 29 00-0222	EA		1" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	34.52 6.63	11.05
23 05 29 00-0223	EA		1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	37.57 7.37	12.28
23 05 29 00-0224	EA		1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	40.43 7.74	12.90
23 05 29 00-0225	EA		2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	43.64 8.11	13.51
23 05 29 00-0226	EA		2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	53.56 8.48	14.13
23 05 29 00-0227	EA		3" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	58.68 8.84	14.74
23 05 29 00-0228	EA		4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	77.71 9.95	16.59
23 05 29 00-0229	EA		5" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	98.81 12.53	20.88
23 05 29 00-0230	EA		6" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	131.70 14.74	24.57
23 05 29 00-0231			Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) (23 05 29 00-0219) Note: Type 11.		
23 05 29 00-0232	EA		1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <i>For Work In Restricted Working Space, Add</i>	21.38 5.28	8.62
23 05 29 00-0233	EA		3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <i>For Work In Restricted Working Space, Add</i>	22.53 5.51	8.62
23 05 29 00-0234	EA		1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <i>For Work In Restricted Working Space, Add</i>	24.83 6.16	11.08
23 05 29 00-0235	EA		1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <i>For Work In Restricted Working Space, Add</i>	26.95 6.48	11.08
23 05 29 00-0236	EA		1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <i>For Work In Restricted Working Space, Add</i>	30.00 6.71	11.08
23 05 29 00-0237	EA		2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <i>For Work In Restricted Working Space, Add</i>	34.99 7.39	12.31
23 05 29 00-0238	EA		2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <i>For Work In Restricted Working Space, Add</i>	46.34 7.69	12.31
23 05 29 00-0239	EA		3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <i>For Work In Restricted Working Space, Add</i>	51.43 8.03	13.54
23 05 29 00-0240	EA		4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <i>For Work In Restricted Working Space, Add</i>	54.80 8.79	14.78
23 05 29 00-0241			Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) (23 05 29 00-0219) Note: Type 12.		
23 05 29 00-0242	EA		1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <i>For Work In Restricted Working Space, Add</i>	21.38 5.28	8.62
23 05 29 00-0243	EA		3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <i>For Work In Restricted Working Space, Add</i>	22.53 5.51	9.23
23 05 29 00-0244	EA		1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <i>For Work In Restricted Working Space, Add</i>	24.83 6.16	10.47
23 05 29 00-0245	EA		1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <i>For Work In Restricted Working Space, Add</i>	26.95 6.48	11.08
23 05 29 00-0246	EA		1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <i>For Work In Restricted Working Space, Add</i>	30.00 6.71	11.08
23 05 29 00-0247	EA		2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <i>For Work In Restricted Working Space, Add</i>	34.99 7.39	12.31
23 05 29 00-0248	EA		2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <i>For Work In Restricted Working Space, Add</i>	46.34 7.69	12.93
23 05 29 00-0249	EA		3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <i>For Work In Restricted Working Space, Add</i>	51.43 8.03	13.54

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-------------	------------------------	----------------------

23 05 29 00-0250	Pipe Straps (23 05 29 00-0001)		
23 05 29 00-0251	Standard Two Hole Pipe Strap, Steel (Cooper B-Line B-3180) (23 05 29 00-0250)		
	Note: Type 26.		
23 05 29 00-0252	EA 1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	15.97	6.16
	For Work In Restricted Working Space, Add	3.69	
23 05 29 00-0253	EA 3/4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	16.84	7.38
	For Work In Restricted Working Space, Add	3.89	
23 05 29 00-0254	EA 1" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	17.65	7.38
	For Work In Restricted Working Space, Add	4.10	
23 05 29 00-0255	EA 1-1/4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	18.60	7.38
	For Work In Restricted Working Space, Add	4.34	
23 05 29 00-0256	EA 1-1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	19.64	8.62
	For Work In Restricted Working Space, Add	4.62	
23 05 29 00-0257	EA 2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	20.99	8.62
	For Work In Restricted Working Space, Add	4.92	
23 05 29 00-0258	EA 2-1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	30.34	8.62
	For Work In Restricted Working Space, Add	5.28	
23 05 29 00-0259	EA 3" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	33.40	8.62
	For Work In Restricted Working Space, Add	5.68	
23 05 29 00-0260	EA 4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	39.57	11.08
	For Work In Restricted Working Space, Add	6.65	
23 05 29 00-0261	EA 6" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	48.62	12.31
	For Work In Restricted Working Space, Add	7.39	
23 05 29 00-0262	EA 8" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	55.73	13.54
	For Work In Restricted Working Space, Add	8.12	
23 05 29 00-0263	2-Hole Copper Straps (23 05 29 00-0250)		
23 05 29 00-0264	EA 1/2" 2-Hole Copper Straps	6.41	
	For Work In Restricted Working Space, Add	1.85	
23 05 29 00-0265	EA 3/4" 2-Hole Copper Straps	6.89	
	For Work In Restricted Working Space, Add	1.94	
23 05 29 00-0266	EA 1" 2-Hole Copper Straps	3.30	
	For Work In Restricted Working Space, Add	0.84	
23 05 29 00-0267	Black Malleable Iron Clamps, 1 Hole (23 05 29 00-0250)		
23 05 29 00-0268	EA 1/2" Galvanized Steel Strap, 1 Hole	2.86	
	For Work In Restricted Working Space, Add	0.62	
23 05 29 00-0269	EA 3/4" Galvanized Steel Strap, 1 Hole	3.15	
	For Work In Restricted Working Space, Add	0.66	
23 05 29 00-0270	EA 1" Galvanized Steel Strap, 1 Hole	3.82	
	For Work In Restricted Working Space, Add	0.71	
23 05 29 00-0271	EA 1-1/4" Galvanized Steel Strap, 1 Hole	4.38	
	For Work In Restricted Working Space, Add	0.77	
23 05 29 00-0272	EA 1-1/2" Galvanized Steel Strap, 1 Hole	4.96	
	For Work In Restricted Working Space, Add	0.84	
23 05 29 00-0273	EA 2" Galvanized Steel Strap, 1 Hole	6.49	
	For Work In Restricted Working Space, Add	0.92	
23 05 29 00-0274	Pipe and Equipment Support Brackets (23 05 29 00-0001)		
23 05 29 00-0275	Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) (23 05 29 00-0274)		
	Note: Up to 750# load.		
23 05 29 00-0276	EA 9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	127.63	13.59
	For Galvanized, Add	20.09	
	For Work In Restricted Working Space, Add	8.16	
23 05 29 00-0277	EA 13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	129.46	13.59
	For Galvanized, Add	20.45	
	For Work In Restricted Working Space, Add	8.16	
23 05 29 00-0278	EA 19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	136.73	13.59
	For Galvanized, Add	21.91	
	For Work In Restricted Working Space, Add	8.16	
23 05 29 00-0279	Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) (23 05 29 00-0274)		
	Note: Up to 1500# load.		
23 05 29 00-0280	EA 12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	305.10	13.59
	For Galvanized, Add	55.58	
	For Work In Restricted Working Space, Add	8.16	
23 05 29 00-0281	EA 18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	357.34	13.59
	For Galvanized, Add	66.03	
	For Work In Restricted Working Space, Add	8.16	
23 05 29 00-0282	EA 24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	463.87	13.59
	For Galvanized, Add	87.34	
	For Work In Restricted Working Space, Add	8.16	
23 05 29 00-0283	Pipe Alignment Guide (23 05 29 00-0001)		
23 05 29 00-0284	Pipe Alignment Guide, 1" Insulation (23 05 29 00-0283)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-0285	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	309.14	21.52
23 05 29 00-0286	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	310.27	22.10
23 05 29 00-0287	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	311.40	22.66
23 05 29 00-0288	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	312.53	23.23
23 05 29 00-0289	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	339.59	23.79
23 05 29 00-0290	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	348.15	26.05
23 05 29 00-0291	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	349.85	26.91
23 05 29 00-0292	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3)	351.54	27.76
23 05 29 00-0293	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4)	372.13	29.46
23 05 29 00-0294	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5)	436.81	37.39
23 05 29 00-0295	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6)	452.67	45.32
23 05 29 00-0296	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8)	515.39	56.65
23 05 29 00-0297	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10)	918.66	67.97
23 05 29 00-0298	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12)	1,386.15	90.64
23 05 29 00-0299	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14)	1,707.39	113.30
23 05 29 00-0300	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16)	2,045.59	126.90
23 05 29 00-0301	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18)	2,210.77	141.63
23 05 29 00-0302	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	2,360.27	162.01
23 05 29 00-0303	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	2,941.97	169.95

23 05 29 00-0304 Pipe Alignment Guide, 1-1/2" Insulation (23 05 29 00-0283)

23 05 29 00-0305	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	310.27	22.10
23 05 29 00-0306	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	337.32	22.66
23 05 29 00-0307	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	338.45	23.23
23 05 29 00-0308	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	339.59	23.79
23 05 29 00-0309	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	340.72	24.36
23 05 29 00-0310	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	349.28	26.63
23 05 29 00-0311	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	350.98	27.47
23 05 29 00-0312	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	369.87	28.33
23 05 29 00-0313	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	373.27	30.02
23 05 29 00-0314	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	438.50	38.24
23 05 29 00-0315	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	454.93	46.45
23 05 29 00-0316	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	518.22	58.07
23 05 29 00-0317	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	922.05	69.68
23 05 29 00-0318	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	1,390.69	92.90
23 05 29 00-0319	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	1,713.06	116.13
23 05 29 00-0320	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	2,052.38	130.29
23 05 29 00-0321	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	2,217.57	145.02
23 05 29 00-0322	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	2,368.20	165.98
23 05 29 00-0323	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	2,950.47	174.19

23 05 29 00-0324 Pipe Alignment Guide, 2" Insulation (23 05 29 00-0283)

23 05 29 00-0325	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	337.32	22.66
23 05 29 00-0326	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	342.48	23.23
23 05 29 00-0327	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	343.62	23.79
23 05 29 00-0328	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	344.75	24.36
23 05 29 00-0329	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	345.88	24.93
23 05 29 00-0330	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	367.60	27.19
23 05 29 00-0331	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	369.87	28.33
23 05 29 00-0332	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	371.29	29.03
23 05 29 00-0333	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	423.21	30.59
23 05 29 00-0334	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	440.20	39.09
23 05 29 00-0335	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	497.26	47.59
23 05 29 00-0336	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	565.42	59.48
23 05 29 00-0337	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10)	925.45	71.38
23 05 29 00-0338	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12)	1,395.22	95.17
23 05 29 00-0339	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14)	1,718.72	118.96
23 05 29 00-0340	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16)	2,058.92	133.57
23 05 29 00-0341	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18)	2,224.94	148.70
23 05 29 00-0342	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20)	2,376.13	169.95
23 05 29 00-0343	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24)	2,958.96	178.44

23 05 29 00-0344 Pipe Alignment Guide, 2-1/2" Insulation (23 05 29 00-0283)

23 05 29 00-0345	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	342.48	23.23
23 05 29 00-0346	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	360.81	23.79
23 05 29 00-0347	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	361.94	24.36
23 05 29 00-0348	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	363.07	24.93
23 05 29 00-0349	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	364.20	25.49
23 05 29 00-0350	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	368.73	27.76
23 05 29 00-0351	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	371.29	29.03
23 05 29 00-0352	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	421.51	29.74
23 05 29 00-0353	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	424.35	31.16
23 05 29 00-0354	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	481.40	39.65
23 05 29 00-0355	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	499.52	48.72
23 05 29 00-0356	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	904.49	60.90
23 05 29 00-0357	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	1,351.04	73.08
23 05 29 00-0358	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	1,675.67	97.43
23 05 29 00-0359	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	1,724.67	121.79
23 05 29 00-0360	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	2,065.98	137.09
23 05 29 00-0361	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	2,232.30	152.39
23 05 29 00-0362	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	2,384.63	174.19
23 05 29 00-0363	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	2,968.03	182.97

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

23 05 29 00-0364 Pipe Alignment Guide, 3" Insulation (23 05 29 00-0283)		
23 05 29 00-0365	EA 1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2).....	360.81 23.79
23 05 29 00-0366	EA 3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4).....	361.94 24.36
23 05 29 00-0367	EA 1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1).....	363.07 24.93
23 05 29 00-0368	EA 1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4).....	364.20 25.49
23 05 29 00-0369	EA 1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2).....	365.34 26.05
23 05 29 00-0370	EA 2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2).....	418.68 28.33
23 05 29 00-0371	EA 2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2).....	421.51 29.74
23 05 29 00-0372	EA 3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3).....	423.21 30.59
23 05 29 00-0373	EA 4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4).....	465.98 31.95
23 05 29 00-0374	EA 5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5).....	483.66 40.78
23 05 29 00-0375	EA 6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6).....	546.17 49.85
23 05 29 00-0376	EA 8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8).....	907.32 62.32
23 05 29 00-0377	EA 10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10).....	1,354.43 74.78
23 05 29 00-0378	EA 12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12).....	1,680.20 99.71
23 05 29 00-0379	EA 14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14).....	1,730.34 124.62
23 05 29 00-0380	EA 16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16).....	2,072.78 140.49
23 05 29 00-0381	EA 18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18).....	2,239.10 155.78
23 05 29 00-0382	EA 20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20).....	2,393.12 178.44
23 05 29 00-0383	EA 24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24).....	2,977.10 187.50

23 05 29 00-0384 Pipe Alignment Guide, 3-1/2" Insulation (23 05 29 00-0283)		
23 05 29 00-0385	EA 1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2).....	361.94 24.36
23 05 29 00-0386	EA 3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4).....	411.88 24.93
23 05 29 00-0387	EA 1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1).....	413.01 25.49
23 05 29 00-0388	EA 1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4).....	414.15 26.05
23 05 29 00-0389	EA 1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2).....	415.28 26.63
23 05 29 00-0390	EA 2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2).....	420.10 29.03
23 05 29 00-0391	EA 2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2).....	422.98 30.48
23 05 29 00-0392	EA 3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3).....	464.80 31.36
23 05 29 00-0393	EA 4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4).....	467.80 32.86
23 05 29 00-0394	EA 5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5).....	530.30 41.92
23 05 29 00-0395	EA 6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6).....	884.67 50.98
23 05 29 00-0396	EA 8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8).....	1,332.34 63.73
23 05 29 00-0397	EA 10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10).....	1,634.37 76.65
23 05 29 00-0398	EA 12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12).....	1,995.73 101.97
23 05 29 00-0399	EA 14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14).....	2,047.29 127.74
23 05 29 00-0400	EA 16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16).....	2,221.70 143.89
23 05 29 00-0401	EA 18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18).....	2,355.73 159.75
23 05 29 00-0402	EA 20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20).....	2,966.90 182.41

23 05 29 00-0403 Pipe Alignment Guide, 4" Insulation (23 05 29 00-0283)		
23 05 29 00-0404	EA 1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2).....	411.88 24.93
23 05 29 00-0405	EA 3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4).....	413.01 25.49
23 05 29 00-0406	EA 1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1).....	414.15 26.05
23 05 29 00-0407	EA 1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4).....	415.28 26.63
23 05 29 00-0408	EA 1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2).....	416.41 27.19
23 05 29 00-0409	EA 2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2).....	461.57 29.74
23 05 29 00-0410	EA 2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2).....	464.41 31.16
23 05 29 00-0411	EA 3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3).....	466.33 32.12
23 05 29 00-0412	EA 4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4).....	513.87 33.71
23 05 29 00-0413	EA 5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5).....	868.81 43.06
23 05 29 00-0414	EA 6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6).....	886.94 52.12
23 05 29 00-0415	EA 8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8).....	1,335.17 65.15
23 05 29 00-0416	EA 10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10).....	1,638.56 78.75
23 05 29 00-0417	EA 12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12).....	2,000.84 104.52
23 05 29 00-0418	EA 14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14).....	2,188.11 130.29
23 05 29 00-0419	EA 16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16).....	2,330.81 147.28
23 05 29 00-0420	EA 18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18).....	2,930.65 164.28

23 05 29 00-0421 Sway Bracing For No Hub Pipe (23 05 29 00-0001)		
23 05 29 00-0422	EA 1-1/2" Sway Bracing.....	108.54 14.95
	<i>For Work In Restricted Working Space, Add</i>	<i>8.94</i>
23 05 29 00-0423	EA 2" Sway Bracing.....	112.08 15.75
	<i>For Work In Restricted Working Space, Add</i>	<i>9.44</i>
23 05 29 00-0424	EA 3" Sway Bracing.....	116.32 16.66
	<i>For Work In Restricted Working Space, Add</i>	<i>10.00</i>
23 05 29 00-0425	EA 4" Sway Bracing.....	132.02 18.92
	<i>For Work In Restricted Working Space, Add</i>	<i>11.33</i>
23 05 29 00-0426	EA 6" Sway Bracing.....	194.09 28.33
	<i>For Work In Restricted Working Space, Add</i>	<i>17.00</i>
23 05 29 00-0427	EA 8" Sway Bracing.....	217.59 35.35
	<i>For Work In Restricted Working Space, Add</i>	<i>21.24</i>
23 05 29 00-0428	EA 10" Sway Bracing.....	249.96 47.25
	<i>For Work In Restricted Working Space, Add</i>	<i>28.32</i>

23 05 29 00-0429 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) (23 05 29 00-0001)		
	Note: Heights listed is total for base and adjustable saddle	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-0430	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	139.05	11.33
		<i>For Work In Restricted Working Space, Add</i>	6.80	
23 05 29 00-0431	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	142.99	12.46
		<i>For Work In Restricted Working Space, Add</i>	7.48	
23 05 29 00-0432	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	252.62	14.16
		<i>For Work In Restricted Working Space, Add</i>	8.50	
23 05 29 00-0433	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	315.10	15.87
		<i>For Work In Restricted Working Space, Add</i>	9.52	
23 05 29 00-0434	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	320.80	17.56
		<i>For Work In Restricted Working Space, Add</i>	10.54	
23 05 29 00-0435	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	350.61	19.82
		<i>For Work In Restricted Working Space, Add</i>	11.90	
23 05 29 00-0436	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	419.56	21.52
		<i>For Work In Restricted Working Space, Add</i>	12.92	
23 05 29 00-0437	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	425.98	23.23
		<i>For Work In Restricted Working Space, Add</i>	13.94	
23 05 29 00-0438	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	434.33	25.49
		<i>For Work In Restricted Working Space, Add</i>	15.29	
23 05 29 00-0439	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	452.33	27.76
		<i>For Work In Restricted Working Space, Add</i>	16.65	
23 05 29 00-0440	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	482.98	30.59
		<i>For Work In Restricted Working Space, Add</i>	18.35	
23 05 29 00-0441	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	499.59	33.99
		<i>For Work In Restricted Working Space, Add</i>	20.39	
23 05 29 00-0442	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	605.26	37.39
		<i>For Work In Restricted Working Space, Add</i>	22.43	
23 05 29 00-0443	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	657.31	41.92
		<i>For Work In Restricted Working Space, Add</i>	25.15	
23 05 29 00-0444	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	921.30	46.45
		<i>For Work In Restricted Working Space, Add</i>	27.87	
23 05 29 00-0445	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,108.46	50.98
		<i>For Work In Restricted Working Space, Add</i>	30.59	
23 05 29 00-0446	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,307.24	55.51
		<i>For Work In Restricted Working Space, Add</i>	33.31	

23 05 29 00-0447 Rooftop Pipe Supports (23 05 29 00-0001)
Note: Excludes pipe/conduit clamps and straps.**23 05 29 00-0448 Rooftop Support Base** (23 05 29 00-0447)

23 05 29 00-0449	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	36.30	9.23
23 05 29 00-0450	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	50.36	12.31

23 05 29 00-0451 Rooftop Support Base With 14 Gauge Galvanized Channel (23 05 29 00-0447)

23 05 29 00-0452	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	40.74	9.23
23 05 29 00-0453	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	57.57	12.31
23 05 29 00-0454	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	103.36	15.39
23 05 29 00-0455	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	141.72	18.46
23 05 29 00-0456	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	194.63	21.55
23 05 29 00-0457	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	206.03	24.62

23 05 29 00-0458 Rooftop Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0447)

23 05 29 00-0459	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	69.37	12.31
23 05 29 00-0460	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	108.62	15.39
23 05 29 00-0461	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	143.83	18.46
23 05 29 00-0462	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	194.75	21.55
23 05 29 00-0463	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	216.78	18.46

23 05 29 00-0464 Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0447)

23 05 29 00-0465	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	115.32	18.46
23 05 29 00-0466	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	131.54	21.55
23 05 29 00-0467	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	137.66	24.62
23 05 29 00-0468	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	150.98	27.69

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0469 EA 5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	191.35	30.78
23 05 29 00-0470 Rooftop Pipe Support Base And Rod (23 05 29 00-0447)		
23 05 29 00-0471 EA 9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	83.33	12.31
23 05 29 00-0472 EA 9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	83.33	12.31
23 05 29 00-0473 EA 9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	83.77	12.31
23 05 29 00-0474 EA 10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	90.38	15.39
23 05 29 00-0475 EA 10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	87.16	15.39
23 05 29 00-0476 EA 10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	91.30	15.39
23 05 29 00-0477 Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (23 05 29 00-0447)		
23 05 29 00-0478 EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	104.46	12.31
23 05 29 00-0479 EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	116.05	12.31
23 05 29 00-0480 EA 8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	151.83	15.39
23 05 29 00-0481 EA 9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	199.19	15.39
23 05 29 00-0482 EA 9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	269.53	15.39
23 05 29 00-0483 Rooftop Support Base And Adjustable Height Roller Assembly (23 05 29 00-0447)		
Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0484 EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	131.37	18.46
23 05 29 00-0485 Rooftop Support Base And Adjustable Height Channel Assembly (23 05 29 00-0447)		
Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0486 EA Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	87.37	15.39
23 05 29 00-0487 EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	118.13	18.46
23 05 29 00-0488 EA Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	132.08	21.55
23 05 29 00-0489 Rooftop Support Bases With Channel Support And Risers Assembly (23 05 29 00-0447)		
Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0490 EA 23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	308.60	24.62
23 05 29 00-0491 EA 29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	311.93	24.62
23 05 29 00-0492 EA 41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	323.63	24.62
23 05 29 00-0493 EA 53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	350.47	24.62
23 05 29 00-0494 EA 23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	302.65	24.62
23 05 29 00-0495 EA 29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	313.84	24.62
23 05 29 00-0496 EA 41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	325.53	24.62
23 05 29 00-0497 EA 53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	352.36	24.62
23 05 29 00-0498 EA 23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	315.94	24.62
23 05 29 00-0499 EA 29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	319.85	24.62
23 05 29 00-0500 EA 41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	331.32	24.62
23 05 29 00-0501 EA 53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	358.27	24.62
23 05 29 00-0502 EA 23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	329.53	24.62
23 05 29 00-0503 EA 29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	333.09	24.62
23 05 29 00-0504 EA 41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	344.56	24.62
23 05 29 00-0505 EA 53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	371.52	24.62
23 05 29 00-0506 Threaded Rod, Accessories And Attachments (23 05 29)		
23 05 29 00-0507 Threaded Rod And Rod Accessories (23 05 29 00-0506)		
23 05 29 00-0508 Threaded Rod (23 05 29 00-0507)		
Note: Fully threaded.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 05 29 00-0509	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.96	0.77
		<i>For Galvanized, Add</i>	0.57	
		<i>For Zinc Plated, Add</i>	0.40	
		<i>For Work In Restricted Working Space, Add</i>	0.46	
23 05 29 00-0510	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.89	0.82
		<i>For Galvanized, Add</i>	0.90	
		<i>For Zinc Plated, Add</i>	0.64	
		<i>For Work In Restricted Working Space, Add</i>	0.49	
23 05 29 00-0511	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.30	0.90
		<i>For Galvanized, Add</i>	1.40	
		<i>For Zinc Plated, Add</i>	0.99	
		<i>For Work In Restricted Working Space, Add</i>	0.54	
23 05 29 00-0512	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.21	0.92
		<i>For Galvanized, Add</i>	2.54	
		<i>For Zinc Plated, Add</i>	1.81	
		<i>For Work In Restricted Working Space, Add</i>	0.56	
23 05 29 00-0513	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.90	0.96
		<i>For Galvanized, Add</i>	2.79	
		<i>For Zinc Plated, Add</i>	1.99	
		<i>For Work In Restricted Working Space, Add</i>	0.58	
23 05 29 00-0514	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.97	1.08
		<i>For Galvanized, Add</i>	3.92	
		<i>For Zinc Plated, Add</i>	2.79	
		<i>For Work In Restricted Working Space, Add</i>	0.65	
23 05 29 00-0515	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.77	1.21
		<i>For Galvanized, Add</i>	4.94	
		<i>For Zinc Plated, Add</i>	3.52	
		<i>For Work In Restricted Working Space, Add</i>	0.73	

23 05 29 00-0516 Rod Couplings (23 05 29 00-0507)

23 05 29 00-0517	EA	3/8" Diameter, Threaded Rod Coupling Nut	8.97	
		<i>For Work In Restricted Working Space, Add</i>	2.27	
23 05 29 00-0518	EA	1/2" Diameter, Threaded Rod Coupling Nut	10.16	
		<i>For Work In Restricted Working Space, Add</i>	2.52	
23 05 29 00-0519	EA	5/8" Diameter, Threaded Rod Coupling Nut	13.15	
		<i>For Work In Restricted Working Space, Add</i>	3.01	
23 05 29 00-0520	EA	3/4" Diameter, Threaded Rod Coupling Nut	15.82	
		<i>For Work In Restricted Working Space, Add</i>	3.28	
23 05 29 00-0521	EA	7/8" Diameter, Threaded Rod Coupling Nut	22.55	
		<i>For Work In Restricted Working Space, Add</i>	3.61	
23 05 29 00-0522	EA	1" Diameter, Threaded Rod Coupling Nut	26.72	
		<i>For Work In Restricted Working Space, Add</i>	4.24	
23 05 29 00-0523	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	49.34	
		<i>For Work In Restricted Working Space, Add</i>	4.81	

23 05 29 00-0524 Flat Washers (23 05 29 00-0507)

Note: Zinc plated.

23 05 29 00-0525	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.63	0.25
		<i>For Galvanized, Add</i>	0.03	
		<i>For Work In Restricted Working Space, Add</i>	0.15	
23 05 29 00-0526	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.85	0.25
		<i>For Galvanized, Add</i>	0.07	
		<i>For Work In Restricted Working Space, Add</i>	0.17	
23 05 29 00-0527	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.23	0.39
		<i>For Galvanized, Add</i>	0.13	
		<i>For Work In Restricted Working Space, Add</i>	0.22	
23 05 29 00-0528	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.67	0.39
		<i>For Galvanized, Add</i>	0.19	
		<i>For Work In Restricted Working Space, Add</i>	0.28	
23 05 29 00-0529	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.96	0.52
		<i>For Galvanized, Add</i>	0.22	
		<i>For Work In Restricted Working Space, Add</i>	0.32	
23 05 29 00-0530	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.29	0.52
		<i>For Galvanized, Add</i>	0.27	
		<i>For Work In Restricted Working Space, Add</i>	0.36	
23 05 29 00-0531	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.59	0.65
		<i>For Galvanized, Add</i>	0.31	
		<i>For Work In Restricted Working Space, Add</i>	0.41	

23 05 29 00-0532 Hex Nuts (23 05 29 00-0507)

Note: Grade 2 and zinc plated.

23 05 29 00-0533	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.80	0.31
		<i>For Galvanized, Add</i>	0.03	
		<i>For Work In Restricted Working Space, Add</i>	0.21	
23 05 29 00-0534	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.04	0.33
		<i>For Galvanized, Add</i>	0.06	
		<i>For Work In Restricted Working Space, Add</i>	0.24	
23 05 29 00-0535	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.38	0.33
		<i>For Galvanized, Add</i>	0.13	
		<i>For Work In Restricted Working Space, Add</i>	0.26	
23 05 29 00-0536	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.59	0.65
		<i>For Galvanized, Add</i>	0.17	
		<i>For Work In Restricted Working Space, Add</i>	0.27	
23 05 29 00-0537	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.26	0.65
		<i>For Galvanized, Add</i>	0.33	
		<i>For Work In Restricted Working Space, Add</i>	0.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0538	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	2.85 0.44 0.32	0.65
23 05 29 00-0539	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	4.55 0.84 0.36	0.65
23 05 29 00-0540			Turnbuckle (Cooper B-Line B3202) (23 05 29 00-0507) Note: Type 13.		
23 05 29 00-0541	EA		3/8" Turnbuckle (Cooper B-Line B3202)..... <i>For Work In Restricted Working Space, Add</i>	28.66 3.69	6.16
23 05 29 00-0542	EA		1/2" Turnbuckle (Cooper B-Line B3202)..... <i>For Work In Restricted Working Space, Add</i>	34.01 4.10	6.77
23 05 29 00-0543	EA		5/8" Turnbuckle (Cooper B-Line B3202)..... <i>For Work In Restricted Working Space, Add</i>	37.58 4.90	7.84
23 05 29 00-0544	EA		3/4" Turnbuckle (Cooper B-Line B3202)..... <i>For Work In Restricted Working Space, Add</i>	47.12 5.60	9.15
23 05 29 00-0545	EA		7/8" Turnbuckle (Cooper B-Line B3202)..... <i>For Work In Restricted Working Space, Add</i>	60.79 6.53	9.80
23 05 29 00-0546	EA		1" Turnbuckle (Cooper B-Line B3202)..... <i>For Work In Restricted Working Space, Add</i>	75.38 7.84	10.46
23 05 29 00-0547	EA		1-1/8" Turnbuckle (Cooper B-Line B3202)..... <i>For Work In Restricted Working Space, Add</i>	104.25 9.80	11.76
23 05 29 00-0548			Swivel Turnbuckle (Cooper B-Line B3224) (23 05 29 00-0507) Note: Type 15.		
23 05 29 00-0549	EA		3/8" Swivel Turnbuckle (Cooper B-Line B3224)..... <i>For Work In Restricted Working Space, Add</i>	18.33 3.69	6.16
23 05 29 00-0550	EA		1/2" Swivel Turnbuckle (Cooper B-Line B3224)..... <i>For Work In Restricted Working Space, Add</i>	21.19 4.10	6.89
23 05 29 00-0551	EA		5/8" Swivel Turnbuckle (Cooper B-Line B3224)..... <i>For Work In Restricted Working Space, Add</i>	28.93 4.90	8.11
23 05 29 00-0552	EA		3/4" Swivel Turnbuckle (Cooper B-Line B3224)..... <i>For Work In Restricted Working Space, Add</i>	34.86 5.60	9.28
23 05 29 00-0553			Forged Steel Clevis (Cooper B-Line B3201) (23 05 29 00-0507) Note: Type 14.		
23 05 29 00-0554	EA		3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	94.81 6.80	11.33
23 05 29 00-0555	EA		4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	139.52 7.16	11.90
23 05 29 00-0556	EA		5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	150.88 7.55	12.46
23 05 29 00-0557	EA		5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	157.13 8.00	13.59
23 05 29 00-0558	EA		5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	165.45 9.06	15.29
23 05 29 00-0559	EA		6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	275.31 11.90	19.82
23 05 29 00-0560	EA		5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	298.90 13.60	22.66
23 05 29 00-0561	EA		7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	352.49 17.00	28.33
23 05 29 00-0562			Welded Eye Rod (Cooper B-Line B3211) (23 05 29 00-0507)		
23 05 29 00-0563	EA		3/8" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	28.54 4.00	6.65
23 05 29 00-0564	EA		3/8" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	29.45 4.08	6.77
23 05 29 00-0565	EA		3/8" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	30.36 4.16	6.89
23 05 29 00-0566	EA		3/8" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	30.61 4.23	7.02
23 05 29 00-0567	EA		3/8" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	32.45 4.39	7.26
23 05 29 00-0568	EA		3/8" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	34.55 4.62	7.75
23 05 29 00-0569	EA		3/8" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	35.97 4.85	8.13
23 05 29 00-0570	EA		3/8" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	38.73 5.08	8.50
23 05 29 00-0571	EA		3/8" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	40.81 5.31	8.86
23 05 29 00-0572	EA		3/8" Diameter x 48" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	42.91 5.54	9.23
23 05 29 00-0573	EA		1/2" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	38.78 4.70	7.84
23 05 29 00-0574	EA		1/2" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	39.71 4.79	7.98
23 05 29 00-0575	EA		1/2" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	40.69 4.87	8.11
23 05 29 00-0576	EA		1/2" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	41.63 4.96	8.24

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-0577	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod	43.53	8.50
		<i>For Work In Restricted Working Space, Add</i>	5.14	
23 05 29 00-0578	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod	47.03	9.02
		<i>For Work In Restricted Working Space, Add</i>	5.39	
23 05 29 00-0579	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod	49.89	9.41
		<i>For Work In Restricted Working Space, Add</i>	5.66	
23 05 29 00-0580	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod	53.40	9.80
		<i>For Work In Restricted Working Space, Add</i>	5.92	
23 05 29 00-0581	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod	56.23	10.33
		<i>For Work In Restricted Working Space, Add</i>	6.18	
23 05 29 00-0582	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod	59.10	10.72
		<i>For Work In Restricted Working Space, Add</i>	6.44	
23 05 29 00-0583	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod	51.88	8.76
		<i>For Work In Restricted Working Space, Add</i>	5.26	
23 05 29 00-0584	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod	53.48	8.89
		<i>For Work In Restricted Working Space, Add</i>	5.35	
23 05 29 00-0585	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod	55.12	9.02
		<i>For Work In Restricted Working Space, Add</i>	5.44	
23 05 29 00-0586	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod	56.08	9.28
		<i>For Work In Restricted Working Space, Add</i>	5.53	
23 05 29 00-0587	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod	58.65	9.54
		<i>For Work In Restricted Working Space, Add</i>	5.71	
23 05 29 00-0588	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod	62.86	9.93
		<i>For Work In Restricted Working Space, Add</i>	5.98	
23 05 29 00-0589	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod	67.06	10.46
		<i>For Work In Restricted Working Space, Add</i>	6.25	
23 05 29 00-0590	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod	70.60	10.85
		<i>For Work In Restricted Working Space, Add</i>	6.53	
23 05 29 00-0591	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod	74.80	11.37
		<i>For Work In Restricted Working Space, Add</i>	6.79	
23 05 29 00-0592	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod	78.99	11.76
		<i>For Work In Restricted Working Space, Add</i>	7.06	
23 05 29 00-0593	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod	63.50	9.93
		<i>For Work In Restricted Working Space, Add</i>	5.98	
23 05 29 00-0594	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod	65.80	10.06
		<i>For Work In Restricted Working Space, Add</i>	6.07	
23 05 29 00-0595	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod	67.42	10.33
		<i>For Work In Restricted Working Space, Add</i>	6.16	
23 05 29 00-0596	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod	69.70	10.46
		<i>For Work In Restricted Working Space, Add</i>	6.26	
23 05 29 00-0597	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod	73.63	10.72
		<i>For Work In Restricted Working Space, Add</i>	6.44	
23 05 29 00-0598	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod	79.16	11.24
		<i>For Work In Restricted Working Space, Add</i>	6.72	
23 05 29 00-0599	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod	84.71	11.63
		<i>For Work In Restricted Working Space, Add</i>	7.00	
23 05 29 00-0600	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod	90.93	12.15
		<i>For Work In Restricted Working Space, Add</i>	7.28	
23 05 29 00-0601	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod	97.12	12.55
		<i>For Work In Restricted Working Space, Add</i>	7.55	
23 05 29 00-0602	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod	102.68	13.07
		<i>For Work In Restricted Working Space, Add</i>	7.83	
23 05 29 00-0603	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod	75.92	11.50
		<i>For Work In Restricted Working Space, Add</i>	6.93	
23 05 29 00-0604	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod	78.88	11.76
		<i>For Work In Restricted Working Space, Add</i>	7.03	
23 05 29 00-0605	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod	81.19	11.89
		<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 29 00-0606	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod	83.50	12.02
		<i>For Work In Restricted Working Space, Add</i>	7.23	
23 05 29 00-0607	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod	88.11	12.42
		<i>For Work In Restricted Working Space, Add</i>	7.42	
23 05 29 00-0608	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod	95.67	12.81
		<i>For Work In Restricted Working Space, Add</i>	7.71	
23 05 29 00-0609	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod	102.57	13.33
		<i>For Work In Restricted Working Space, Add</i>	8.00	
23 05 29 00-0610	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod	110.13	13.85
		<i>For Work In Restricted Working Space, Add</i>	8.29	
23 05 29 00-0611	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod	117.04	14.24
		<i>For Work In Restricted Working Space, Add</i>	8.58	
23 05 29 00-0612	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod	123.95	14.77
		<i>For Work In Restricted Working Space, Add</i>	8.87	
23 05 29 00-0613	EA	1" Diameter x 8" Length Shank, Welded Eye Rod	94.91	13.85
		<i>For Work In Restricted Working Space, Add</i>	8.27	
23 05 29 00-0614	EA	1" Diameter x 10" Length Shank, Welded Eye Rod	97.93	13.98
		<i>For Work In Restricted Working Space, Add</i>	8.39	
23 05 29 00-0615	EA	1" Diameter x 12" Length Shank, Welded Eye Rod	100.94	14.11
		<i>For Work In Restricted Working Space, Add</i>	8.50	
23 05 29 00-0616	EA	1" Diameter x 14" Length Shank, Welded Eye Rod	103.93	14.37
		<i>For Work In Restricted Working Space, Add</i>	8.60	
23 05 29 00-0617	EA	1" Diameter x 18" Length Shank, Welded Eye Rod	109.92	14.77
		<i>For Work In Restricted Working Space, Add</i>	8.82	
23 05 29 00-0618	EA	1" Diameter x 24" Length Shank, Welded Eye Rod	118.94	15.29
		<i>For Work In Restricted Working Space, Add</i>	9.15	
23 05 29 00-0619	EA	1" Diameter x 30" Length Shank, Welded Eye Rod	127.97	15.81
		<i>For Work In Restricted Working Space, Add</i>	9.47	
23 05 29 00-0620	EA	1" Diameter x 36" Length Shank, Welded Eye Rod	137.60	16.33
		<i>For Work In Restricted Working Space, Add</i>	9.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0621	EA		1" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	146.61 10.13	16.85
23 05 29 00-0622	EA		1" Diameter x 48" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	155.65 10.46	17.38
23 05 29 00-0623			Welded Linked Eye Rod (Cooper B-Line B3211X) (23 05 29 00-0507)		
23 05 29 00-0624	EA		3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	58.95 5.42	8.99
23 05 29 00-0625	EA		3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	60.54 5.57	9.23
23 05 29 00-0626	EA		3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	62.14 5.72	9.60
23 05 29 00-0627	EA		3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	62.92 5.96	9.97
23 05 29 00-0628	EA		3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	65.86 6.19	10.34
23 05 29 00-0629	EA		3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	69.64 6.65	11.08
23 05 29 00-0630	EA		3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	72.26 7.11	11.82
23 05 29 00-0631	EA		3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	77.11 7.57	12.68
23 05 29 00-0632	EA		1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	77.14 6.35	10.59
23 05 29 00-0633	EA		1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	78.82 6.53	10.85
23 05 29 00-0634	EA		1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	80.54 6.70	11.11
23 05 29 00-0635	EA		1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	82.50 6.96	11.63
23 05 29 00-0636	EA		1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	85.55 7.22	12.02
23 05 29 00-0637	EA		1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	91.68 7.74	12.94
23 05 29 00-0638	EA		1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	96.74 8.26	13.72
23 05 29 00-0639	EA		1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	102.89 8.78	14.63
23 05 29 00-0640	EA		5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	102.68 7.09	11.76
23 05 29 00-0641	EA		5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	105.45 7.27	12.15
23 05 29 00-0642	EA		5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	108.28 7.45	12.42
23 05 29 00-0643	EA		5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	110.29 7.72	12.94
23 05 29 00-0644	EA		5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	114.49 8.00	13.33
23 05 29 00-0645	EA		5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	121.80 8.54	14.24
23 05 29 00-0646	EA		5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	129.09 9.08	15.16
23 05 29 00-0647	EA		5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	135.28 9.62	16.07
23 05 29 00-0648	EA		3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	129.43 8.03	13.33
23 05 29 00-0649	EA		3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	133.40 8.22	13.72
23 05 29 00-0650	EA		3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	136.19 8.40	13.98
23 05 29 00-0651	EA		3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	140.42 8.68	14.50
23 05 29 00-0652	EA		3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	146.85 8.96	14.90
23 05 29 00-0653	EA		3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	156.38 9.51	15.81
23 05 29 00-0654	EA		3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	165.94 10.07	16.72
23 05 29 00-0655	EA		3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	176.62 10.63	17.77
23 05 29 00-0656	EA		7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	155.33 9.29	15.42
23 05 29 00-0657	EA		7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	160.39 9.48	15.81
23 05 29 00-0658	EA		7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	164.32 9.67	16.07
23 05 29 00-0659	EA		7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	168.59 9.96	16.59
23 05 29 00-0660	EA		7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	176.18 10.25	17.12
23 05 29 00-0661	EA		7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	189.10 10.83	18.03
23 05 29 00-0662	EA		7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	200.93 11.41	19.07
23 05 29 00-0663	EA		7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	213.86 11.99	19.99
23 05 29 00-0664	EA		1" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	197.53 11.06	18.42

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-0665	EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	202.68	18.81
		<i>For Work In Restricted Working Space, Add</i>	11.28	
23 05 29 00-0666	EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	207.80	19.21
		<i>For Work In Restricted Working Space, Add</i>	11.50	
23 05 29 00-0667	EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	213.31	19.73
		<i>For Work In Restricted Working Space, Add</i>	11.83	
23 05 29 00-0668	EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	223.15	20.25
		<i>For Work In Restricted Working Space, Add</i>	12.15	
23 05 29 00-0669	EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	238.55	21.29
		<i>For Work In Restricted Working Space, Add</i>	12.81	
23 05 29 00-0670	EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	253.96	22.48
		<i>For Work In Restricted Working Space, Add</i>	13.46	
23 05 29 00-0671	EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	270.37	23.52
		<i>For Work In Restricted Working Space, Add</i>	14.11	
23 05 29 00-0672		Attachments (23 05 29 00-0506)		
23 05 29 00-0673		Welded Beam Attachments (B-Line B-3083) (23 05 29 00-0672)		
		Note: Type 22.		
23 05 29 00-0674	EA	3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	42.14	11.43
		<i>For Work In Restricted Working Space, Add</i>	6.86	
23 05 29 00-0675	EA	1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	46.33	12.73
		<i>For Work In Restricted Working Space, Add</i>	7.66	
23 05 29 00-0676	EA	5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	49.24	13.46
		<i>For Work In Restricted Working Space, Add</i>	8.09	
23 05 29 00-0677	EA	3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	60.82	14.31
		<i>For Work In Restricted Working Space, Add</i>	8.56	
23 05 29 00-0678	EA	7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	71.63	15.16
		<i>For Work In Restricted Working Space, Add</i>	9.09	
23 05 29 00-0679	EA	1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	97.73	17.34
		<i>For Work In Restricted Working Space, Add</i>	10.40	
23 05 29 00-0680	EA	1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	134.05	18.19
		<i>For Work In Restricted Working Space, Add</i>	10.91	
23 05 29 00-0681		C-Clamp Style Beam Clamps (B-Line B-3034) (23 05 29 00-0672)		
		Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0682	EA	3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	17.75	6.28
		<i>For Work In Restricted Working Space, Add</i>	4.62	
23 05 29 00-0683	EA	1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	21.51	8.50
		<i>For Work In Restricted Working Space, Add</i>	5.23	
23 05 29 00-0684	EA	5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	23.97	9.15
		<i>For Work In Restricted Working Space, Add</i>	5.60	
23 05 29 00-0685	EA	3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	29.31	9.80
		<i>For Work In Restricted Working Space, Add</i>	6.03	
23 05 29 00-0686	EA	7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	39.67	10.46
		<i>For Work In Restricted Working Space, Add</i>	6.53	
23 05 29 00-0687		Bottom Mount I-Beam Clamps (B-Line B-3055) (23 05 29 00-0672)		
		Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0688	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	41.22	8.62
		<i>For Work In Restricted Working Space, Add</i>	6.16	
23 05 29 00-0689	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	59.24	11.76
		<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 29 00-0690	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	81.61	13.07
		<i>For Work In Restricted Working Space, Add</i>	7.84	
23 05 29 00-0691	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	96.81	14.37
		<i>For Work In Restricted Working Space, Add</i>	8.71	
23 05 29 00-0692	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	219.80	15.68
		<i>For Work In Restricted Working Space, Add</i>	9.80	
23 05 29 00-0693		Steel U-Bolts (B-Line B-3188) (23 05 29 00-0672)		
		Note: Type 24. Includes plate and nuts.		
23 05 29 00-0694	EA	1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	14.38	3.07
		<i>For Work In Restricted Working Space, Add</i>	3.69	
23 05 29 00-0695	EA	3/4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	15.47	3.70
		<i>For Work In Restricted Working Space, Add</i>	3.89	
23 05 29 00-0696	EA	1" Pipe Size, Steel U-Bolt (B-Line B-3188).....	16.55	3.70
		<i>For Work In Restricted Working Space, Add</i>	4.10	
23 05 29 00-0697	EA	1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	18.44	3.70
		<i>For Work In Restricted Working Space, Add</i>	4.34	
23 05 29 00-0698	EA	1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	19.20	4.31
		<i>For Work In Restricted Working Space, Add</i>	4.62	
23 05 29 00-0699	EA	2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	20.52	4.31
		<i>For Work In Restricted Working Space, Add</i>	4.92	
23 05 29 00-0700	EA	2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	27.45	4.31
		<i>For Work In Restricted Working Space, Add</i>	5.28	
23 05 29 00-0701	EA	3" Pipe Size, Steel U-Bolt (B-Line B-3188).....	30.09	4.92
		<i>For Work In Restricted Working Space, Add</i>	5.68	
23 05 29 00-0702	EA	4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	35.54	5.53
		<i>For Work In Restricted Working Space, Add</i>	6.16	
23 05 29 00-0703		Copper Standoff Brackets With Flange (23 05 29 00-0672)		
		Note: Installed in wood, concrete, concrete block or steel.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0704	EA		Clamp Size 1/2", Copper Standoff Brackets With Flange <i>For Work In Restricted Working Space, Add</i>	39.21 11.20	18.68
23 05 29 00-0705	EA		Clamp Size 3/4", Copper Standoff Brackets With Flange <i>For Work In Restricted Working Space, Add</i>	39.33 11.20	18.68
23 05 29 00-0706	EA		Clamp Size 1", Copper Standoff Brackets With Flange <i>For Work In Restricted Working Space, Add</i>	39.44 11.20	18.68
23 05 29 00-0707	EA		Clamp Size 1 1/4", Copper Standoff Brackets With Flange <i>For Work In Restricted Working Space, Add</i>	41.93 11.88	19.86
23 05 29 00-0708	EA		Clamp Size 1 1/2", Copper Standoff Brackets With Flange <i>For Work In Restricted Working Space, Add</i>	42.16 11.88	19.86
23 05 29 00-0709			Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0672) Note: Type 16.		
23 05 29 00-0710	EA		3/8" Rod Size, Malleable Iron Eye Socket <i>For Work In Restricted Working Space, Add</i>	9.18 1.19	1.96
23 05 29 00-0711	EA		1/2" Rod Size, Malleable Iron Eye Socket <i>For Work In Restricted Working Space, Add</i>	11.77 1.57	2.61
23 05 29 00-0712	EA		5/8" Rod Size, Malleable Iron Eye Socket <i>For Work In Restricted Working Space, Add</i>	18.73 1.58	2.61
23 05 29 00-0713	EA		3/4" Rod Size, Malleable Iron Eye Socket <i>For Work In Restricted Working Space, Add</i>	25.49 1.57	2.61
23 05 29 00-0714	EA		7/8" Rod Size, Malleable Iron Eye Socket <i>For Work In Restricted Working Space, Add</i>	27.89 1.96	3.26
23 05 29 00-0715			Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0672) Note: Type 17.		
23 05 29 00-0716	EA		3/8" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	26.25 1.19	1.96
23 05 29 00-0717	EA		1/2" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	27.51 1.57	2.61
23 05 29 00-0718	EA		5/8" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	27.57 1.58	2.61
23 05 29 00-0719	EA		3/4" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	27.51 1.57	2.61
23 05 29 00-0720	EA		7/8" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	51.89 1.76	2.87
23 05 29 00-0721	EA		1" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	52.54 1.96	3.26
23 05 29 00-0722			Top Mount I-Beam Clamps (B-Line B-3042) (23 05 29 00-0672) Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0723	EA		3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	20.90 3.43	5.72
23 05 29 00-0724	EA		1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	25.48 4.01	6.67
23 05 29 00-0725	EA		5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	30.28 4.41	7.27
23 05 29 00-0726	EA		3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	39.70 4.64	7.88
23 05 29 00-0727	EA		7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	58.71 5.46	9.10
23 05 29 00-0728	EA		3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	21.77 3.43	5.72
23 05 29 00-0729	EA		1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	26.72 4.01	6.67
23 05 29 00-0730	EA		5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	30.28 4.41	7.27
23 05 29 00-0731	EA		3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	42.97 4.64	7.88
23 05 29 00-0732	EA		7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	64.29 5.46	9.10
23 05 29 00-0733	EA		3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	23.82 3.43	5.72
23 05 29 00-0734	EA		1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	29.02 4.01	6.67
23 05 29 00-0735	EA		5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	35.66 4.41	7.27
23 05 29 00-0736	EA		3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	49.08 4.64	7.88
23 05 29 00-0737	EA		7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	76.24 5.46	9.10
23 05 29 00-0738			Side Beam Brackets (B-Line B-3062) (23 05 29 00-0672) Note: Type 34.		
23 05 29 00-0739	EA		3/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	19.20 4.62	8.01
23 05 29 00-0740	EA		1/2" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	23.09 5.23	8.50
23 05 29 00-0741	EA		5/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	28.31 5.60	9.15
23 05 29 00-0742	EA		3/4" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	45.05 6.03	9.80
23 05 29 00-0743	EA		7/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	52.04 6.53	11.11

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0744			Hex Lag Bolts (23 05 29 00-0672) Note: Also known as coach screws.		
23 05 29 00-0745	EA		3/8" x 3-1/2" Long, Hex Lag Bolt.....	3.04	
			<i>For Work In Restricted Working Space, Add</i>	0.77	
23 05 29 00-0746	EA		3/8" x 4" Long, Hex Lag Bolt.....	3.30	
			<i>For Work In Restricted Working Space, Add</i>	0.80	
23 05 29 00-0747	EA		3/8" x 6" Long, Hex Lag Bolt.....	3.70	
			<i>For Work In Restricted Working Space, Add</i>	0.83	
23 05 29 00-0748	EA		3/8" x 8" Long, Hex Lag Bolt.....	4.40	
			<i>For Work In Restricted Working Space, Add</i>	0.86	
23 05 29 00-0749	EA		3/8" x 10" Long, Hex Lag Bolt.....	4.68	
			<i>For Work In Restricted Working Space, Add</i>	0.89	
23 05 29 00-0750	EA		3/8" x 12" Long, Hex Lag Bolt.....	4.99	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
23 05 29 00-0751	EA		1/2" x 3-1/2" Long, Hex Lag Bolt.....	3.99	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
23 05 29 00-0752	EA		1/2" x 4" Long, Hex Lag Bolt.....	4.47	
			<i>For Work In Restricted Working Space, Add</i>	0.96	
23 05 29 00-0753	EA		1/2" x 6" Long, Hex Lag Bolt.....	5.15	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
23 05 29 00-0754	EA		1/2" x 8" Long, Hex Lag Bolt.....	5.94	
			<i>For Work In Restricted Working Space, Add</i>	1.05	
23 05 29 00-0755	EA		1/2" x 10" Long, Hex Lag Bolt.....	6.95	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
23 05 29 00-0756	EA		1/2" x 12" Long, Hex Lag Bolt.....	7.44	
			<i>For Work In Restricted Working Space, Add</i>	1.16	
23 05 29 00-0757	EA		5/8" x 4" Long, Hex Lag Bolt.....	5.21	
			<i>For Work In Restricted Working Space, Add</i>	1.03	
23 05 29 00-0758	EA		3/4" x 5" Long, Hex Lag Bolt.....	5.91	
			<i>For Work In Restricted Working Space, Add</i>	1.05	
23 05 29 00-0759			Shields And Saddles (23 05 29)		
23 05 29 00-0760			Insulation Protection Shield (23 05 29 00-0759) Note: Type 40.		
23 05 29 00-0761			Insulation Protection Shield (Cooper B-Line B3151) (23 05 29 00-0760) Note: Type 40.		
23 05 29 00-0762	EA		1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length.....	17.25	3.13
			<i>For Work In Restricted Working Space, Add</i>	3.14	
23 05 29 00-0763	EA		2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length.....	17.50	3.17
			<i>For Work In Restricted Working Space, Add</i>	3.18	
23 05 29 00-0764	EA		2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length.....	17.91	3.21
			<i>For Work In Restricted Working Space, Add</i>	3.22	
23 05 29 00-0765	EA		3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length.....	18.69	3.25
			<i>For Work In Restricted Working Space, Add</i>	3.26	
23 05 29 00-0766	EA		4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length.....	20.55	3.33
			<i>For Work In Restricted Working Space, Add</i>	3.33	
23 05 29 00-0767	EA		6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length.....	24.77	3.42
			<i>For Work In Restricted Working Space, Add</i>	3.41	
23 05 29 00-0768	EA		8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length.....	28.58	3.49
			<i>For Work In Restricted Working Space, Add</i>	3.49	
23 05 29 00-0769	EA		10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length.....	34.60	3.57
			<i>For Work In Restricted Working Space, Add</i>	3.57	
23 05 29 00-0770	EA		12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length.....	43.97	3.61
			<i>For Work In Restricted Working Space, Add</i>	3.61	
23 05 29 00-0771	EA		14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length.....	47.76	3.65
			<i>For Work In Restricted Working Space, Add</i>	3.65	
23 05 29 00-0772	EA		16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length.....	65.11	3.69
			<i>For Work In Restricted Working Space, Add</i>	3.68	
23 05 29 00-0773	EA		18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length.....	72.96	3.73
			<i>For Work In Restricted Working Space, Add</i>	3.73	
23 05 29 00-0774	EA		20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length.....	133.85	3.77
			<i>For Work In Restricted Working Space, Add</i>	3.77	
23 05 29 00-0775	EA		24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length.....	145.37	3.84
			<i>For Work In Restricted Working Space, Add</i>	3.84	
23 05 29 00-0776	EA		30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length.....	175.35	3.92
			<i>For Work In Restricted Working Space, Add</i>	3.92	
23 05 29 00-0777			Insulation Protection Shield (Cooper B-Line B3154) (23 05 29 00-0760) Note: Type 40.		
23 05 29 00-0778	EA		1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length.....	15.38	3.13
			<i>For Work In Restricted Working Space, Add</i>	3.14	
23 05 29 00-0779	EA		2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length.....	15.60	3.17
			<i>For Work In Restricted Working Space, Add</i>	3.18	
23 05 29 00-0780	EA		2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length.....	15.93	3.21
			<i>For Work In Restricted Working Space, Add</i>	3.22	
23 05 29 00-0781	EA		3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length.....	16.54	3.25
			<i>For Work In Restricted Working Space, Add</i>	3.26	
23 05 29 00-0782	EA		4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length.....	17.96	3.33
			<i>For Work In Restricted Working Space, Add</i>	3.33	
23 05 29 00-0783	EA		6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length.....	21.09	3.42
			<i>For Work In Restricted Working Space, Add</i>	3.41	
23 05 29 00-0784	EA		8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length.....	22.58	3.49
			<i>For Work In Restricted Working Space, Add</i>	3.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0785	EA		10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length <i>For Work In Restricted Working Space, Add</i>	28.36 3.57	3.57
23 05 29 00-0786	EA		12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length <i>For Work In Restricted Working Space, Add</i>	33.71 3.61	3.61
23 05 29 00-0787			Pipe Covering Protection Saddle (23 05 29 00-0759) Note: Type 39, sizes are pipe sizes.		
23 05 29 00-0788			Saddle, For 1" Insulation (Cooper B-Line B3160) (23 05 29 00-0787) Note: Type 39.		
23 05 29 00-0789	EA		3/4" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	26.17 4.29	4.30
23 05 29 00-0790	EA		1" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	26.29 4.33	4.33
23 05 29 00-0791	EA		1-1/4" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	26.41 4.37	4.37
23 05 29 00-0792	EA		1-1/2" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	27.66 4.44	4.44
23 05 29 00-0793	EA		2" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	27.78 4.47	4.48
23 05 29 00-0794	EA		2-1/2" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	28.67 4.55	4.55
23 05 29 00-0795	EA		3" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	31.71 4.62	4.62
23 05 29 00-0796	EA		4" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	35.41 4.69	4.69
23 05 29 00-0797	EA		6" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	39.65 4.84	4.84
23 05 29 00-0798	EA		8" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	47.93 5.02	5.02
23 05 29 00-0799	EA		10" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	53.37 5.09	5.10
23 05 29 00-0800	EA		12" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	62.94 5.20	5.10
23 05 29 00-0801	EA		14" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	68.57 5.28	5.28
23 05 29 00-0802			Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0787) Note: Type 39.		
23 05 29 00-0803	EA		3/4" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	29.33 4.29	4.30
23 05 29 00-0804	EA		1" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	29.45 4.33	4.33
23 05 29 00-0805	EA		1-1/4" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	29.57 4.37	4.37
23 05 29 00-0806	EA		1-1/2" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	30.60 4.44	4.44
23 05 29 00-0807	EA		2" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	32.92 4.47	4.48
23 05 29 00-0808	EA		2-1/2" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	35.36 4.55	4.55
23 05 29 00-0809	EA		3" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	35.95 4.62	4.62
23 05 29 00-0810	EA		4" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	40.62 4.69	4.62
23 05 29 00-0811	EA		6" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	45.55 4.84	4.84
23 05 29 00-0812	EA		8" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	53.72 5.02	5.02
23 05 29 00-0813	EA		10" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	60.21 5.09	5.10
23 05 29 00-0814	EA		12" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	71.38 5.20	5.20
23 05 29 00-0815	EA		14" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	78.04 5.28	5.28
23 05 29 00-0816			Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0787) Note: Type 39.		
23 05 29 00-0817	EA		3/4" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	31.35 4.51	4.51
23 05 29 00-0818	EA		1" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	31.48 4.55	4.55
23 05 29 00-0819	EA		1-1/4" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	33.08 4.58	4.58
23 05 29 00-0820	EA		1-1/2" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	34.06 4.66	4.66
23 05 29 00-0821	EA		2" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	34.92 4.69	4.69
23 05 29 00-0822	EA		2-1/2" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	35.17 4.77	4.78
23 05 29 00-0823	EA		3" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	37.10 4.84	4.85
23 05 29 00-0824	EA		4" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	39.04 4.91	4.92
23 05 29 00-0825	EA		6" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	49.42 5.09	5.09

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0826	EA		8" Pipe Saddle, Type 39 (For 2" Insulation)	55.88	5.28
			<i>For Work In Restricted Working Space, Add</i>	5.28	
23 05 29 00-0827	EA		10" Pipe Saddle, Type 39 (For 2" Insulation)	58.60	5.35
			<i>For Work In Restricted Working Space, Add</i>	5.35	
23 05 29 00-0828	EA		12" Pipe Saddle, Type 39 (For 2" Insulation)	78.55	5.46
			<i>For Work In Restricted Working Space, Add</i>	5.46	
23 05 29 00-0829	EA		14" Pipe Saddle, Type 39 (For 2" Insulation)	86.83	5.54
			<i>For Work In Restricted Working Space, Add</i>	5.53	
23 05 29 00-0830	EA		16" Pipe Saddle, Type 39 (For 2" Insulation)	95.36	5.67
			<i>For Work In Restricted Working Space, Add</i>	5.67	
23 05 29 00-0831	EA		18" Pipe Saddle, Type 39 (For 2" Insulation)	103.88	5.83
			<i>For Work In Restricted Working Space, Add</i>	5.82	
23 05 29 00-0832	EA		20" Pipe Saddle, Type 39 (For 2" Insulation)	113.81	5.97
			<i>For Work In Restricted Working Space, Add</i>	5.97	
23 05 29 00-0833	EA		24" Pipe Saddle, Type 39 (For 2" Insulation)	130.12	6.11
			<i>For Work In Restricted Working Space, Add</i>	6.11	
23 05 29 00-0834			Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <small>(23 05 29 00-0787)</small>		
			Note: Type 39.		
23 05 29 00-0835	EA		1-1/4" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	35.02	4.69
			<i>For Work In Restricted Working Space, Add</i>	4.69	
23 05 29 00-0836	EA		1-1/2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	36.93	4.76
			<i>For Work In Restricted Working Space, Add</i>	4.77	
23 05 29 00-0837	EA		2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	37.88	4.81
			<i>For Work In Restricted Working Space, Add</i>	4.80	
23 05 29 00-0838	EA		2-1/2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	38.95	4.88
			<i>For Work In Restricted Working Space, Add</i>	4.88	
23 05 29 00-0839	EA		3" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	39.31	4.97
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 05 29 00-0840	EA		4" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	45.50	5.05
			<i>For Work In Restricted Working Space, Add</i>	5.06	
23 05 29 00-0841	EA		6" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	51.93	5.20
			<i>For Work In Restricted Working Space, Add</i>	5.20	
23 05 29 00-0842	EA		8" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	60.30	5.40
			<i>For Work In Restricted Working Space, Add</i>	5.38	
23 05 29 00-0843	EA		10" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	64.57	5.48
			<i>For Work In Restricted Working Space, Add</i>	5.49	
23 05 29 00-0844	EA		12" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	80.58	5.59
			<i>For Work In Restricted Working Space, Add</i>	5.60	
23 05 29 00-0845	EA		14" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	95.43	5.67
			<i>For Work In Restricted Working Space, Add</i>	5.67	
23 05 29 00-0846	EA		16" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	110.51	5.81
			<i>For Work In Restricted Working Space, Add</i>	5.82	
23 05 29 00-0847	EA		18" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	117.35	5.96
			<i>For Work In Restricted Working Space, Add</i>	5.97	
23 05 29 00-0848	EA		20" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	124.95	6.11
			<i>For Work In Restricted Working Space, Add</i>	6.11	
23 05 29 00-0849	EA		24" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	132.55	6.26
			<i>For Work In Restricted Working Space, Add</i>	6.26	
23 05 29 00-0850			Saddle, For 3" Insulation (Cooper B-Line B3164) <small>(23 05 29 00-0787)</small>		
			Note: Type 39.		
23 05 29 00-0851	EA		2" Pipe Saddle, Type 39 (For 3" Insulation)	39.16	4.92
			<i>For Work In Restricted Working Space, Add</i>	4.91	
23 05 29 00-0852	EA		2-1/2" Pipe Saddle, Type 39 (For 3" Insulation)	42.67	5.00
			<i>For Work In Restricted Working Space, Add</i>	5.02	
23 05 29 00-0853	EA		3" Pipe Saddle, Type 39 (For 3" Insulation)	44.48	5.09
			<i>For Work In Restricted Working Space, Add</i>	5.09	
23 05 29 00-0854	EA		4" Pipe Saddle, Type 39 (For 3" Insulation)	46.28	5.17
			<i>For Work In Restricted Working Space, Add</i>	5.17	
23 05 29 00-0855	EA		6" Pipe Saddle, Type 39 (For 3" Insulation)	53.05	5.32
			<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0856	EA		8" Pipe Saddle, Type 39 (For 3" Insulation)	66.32	5.52
			<i>For Work In Restricted Working Space, Add</i>	5.53	
23 05 29 00-0857	EA		10" Pipe Saddle, Type 39 (For 3" Insulation)	71.80	5.60
			<i>For Work In Restricted Working Space, Add</i>	5.60	
23 05 29 00-0858	EA		12" Pipe Saddle, Type 39 (For 3" Insulation)	93.18	5.72
			<i>For Work In Restricted Working Space, Add</i>	5.71	
23 05 29 00-0859	EA		14" Pipe Saddle, Type 39 (For 3" Insulation)	111.09	5.81
			<i>For Work In Restricted Working Space, Add</i>	5.82	
23 05 29 00-0860	EA		16" Pipe Saddle, Type 39 (For 3" Insulation)	129.01	5.94
			<i>For Work In Restricted Working Space, Add</i>	5.93	
23 05 29 00-0861	EA		18" Pipe Saddle, Type 39 (For 3" Insulation)	131.49	6.10
			<i>For Work In Restricted Working Space, Add</i>	6.11	
23 05 29 00-0862	EA		20" Pipe Saddle, Type 39 (For 3" Insulation)	133.87	6.24
			<i>For Work In Restricted Working Space, Add</i>	6.26	
23 05 29 00-0863	EA		24" Pipe Saddle, Type 39 (For 3" Insulation)	169.69	6.40
			<i>For Work In Restricted Working Space, Add</i>	6.41	
23 05 29 00-0864			Saddle, For 4" Insulation (Cooper B-Line B3165) <small>(23 05 29 00-0787)</small>		
			Note: Type 39.		
23 05 29 00-0865	EA		2" Pipe Saddle, Type 39 (For 4" Insulation)	44.09	5.04
			<i>For Work In Restricted Working Space, Add</i>	5.02	
23 05 29 00-0866	EA		2-1/2" Pipe Saddle, Type 39 (For 4" Insulation)	48.21	5.12
			<i>For Work In Restricted Working Space, Add</i>	5.13	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0867	EA	3" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	50.34 5.20	5.20
23 05 29 00-0868	EA	4" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	52.56 5.28	5.28
23 05 29 00-0869	EA	6" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	64.01 5.46	5.44
23 05 29 00-0870	EA	8" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	75.44 5.64	5.65
23 05 29 00-0871	EA	10" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	77.98 5.75	5.73
23 05 29 00-0872	EA	12" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	99.49 5.86	5.86
23 05 29 00-0873	EA	14" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	120.64 5.93	5.93
23 05 29 00-0874	EA	16" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	142.00 6.08	6.09
23 05 29 00-0875	EA	18" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	173.53 6.22	6.23
23 05 29 00-0876	EA	20" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	204.90 6.41	6.39
23 05 29 00-0877	EA	24" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	219.14 6.55	6.54
23 05 29 00-0878	EA	30" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	230.61 6.73	6.72
23 05 29 00-0879	EA	36" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	239.10 6.88	6.89
23 05 29 00-0880		Adjustable Pipe Saddle Support (Cooper B-Line B3096) <small>(23 05 29 00-0759)</small> Note: Type 38.		
23 05 29 00-0881	EA	2" Adjustable Pipe Saddle Support, Type 38	99.33	16.33
23 05 29 00-0882	EA	3" Adjustable Pipe Saddle Support, Type 38	105.56	18.94
23 05 29 00-0883	EA	4" Adjustable Pipe Saddle Support, Type 38	128.08	21.57
23 05 29 00-0884	EA	5" Adjustable Pipe Saddle Support, Type 38	133.72	23.52
23 05 29 00-0885	EA	6" Adjustable Pipe Saddle Support, Type 38	148.39	26.14
23 05 29 00-0886	EA	8" Adjustable Pipe Saddle Support, Type 38	169.34	32.67
23 05 29 00-0887	EA	10" Adjustable Pipe Saddle Support, Type 38	221.62	43.77
23 05 29 00-0888	EA	12" Adjustable Pipe Saddle Support, Type 38	276.32	65.34
23 05 29 00-0889		Pipe Stanchion Support (Cooper B-Line B3090) <small>(23 05 29 00-0759)</small> Note: Type 37.		
23 05 29 00-0890	EA	2-1/2" Pipe Stanchion Support With U-Bolt, Type 37	122.10	16.33
23 05 29 00-0891	EA	3" Pipe Stanchion Support With U-Bolt, Type 37	126.77	18.94
23 05 29 00-0892	EA	3-1/2" Pipe Stanchion Support With U-Bolt, Type 37	135.89	20.25
23 05 29 00-0893	EA	4" Pipe Stanchion Support With U-Bolt, Type 37	138.93	21.57
23 05 29 00-0894	EA	5" Pipe Stanchion Support With U-Bolt, Type 37	146.21	23.52
23 05 29 00-0895	EA	6" Pipe Stanchion Support With U-Bolt, Type 37	155.26	26.14
23 05 29 00-0896	EA	8" Pipe Stanchion Support With U-Bolt, Type 37	197.06	32.67
23 05 29 00-0897	EA	10" Pipe Stanchion Support With U-Bolt, Type 37	265.73	43.77
23 05 29 00-0898	EA	12" Pipe Stanchion Support With U-Bolt, Type 37	349.33	65.34
23 05 29 00-0899		Pipe Saddle Support (Cooper B-Line B3095) <small>(23 05 29 00-0759)</small> Note: Type 36.		
23 05 29 00-0900	EA	2-1/2" Pipe Saddle Support, Type 36	64.37	16.33
23 05 29 00-0901	EA	3" Pipe Saddle Support, Type 36	69.04	18.94
23 05 29 00-0902	EA	3-1/2" Pipe Saddle Support, Type 36	102.41	20.25
23 05 29 00-0903	EA	4" Pipe Saddle Support, Type 36	105.45	21.57
23 05 29 00-0904	EA	5" Pipe Saddle Support, Type 36	115.85	23.52
23 05 29 00-0905	EA	6" Pipe Saddle Support, Type 36	128.44	26.14
23 05 29 00-0906	EA	8" Pipe Saddle Support, Type 36	147.90	32.67
23 05 29 00-0907	EA	10" Pipe Saddle Support, Type 36	173.69	43.77
23 05 29 00-0908	EA	12" Pipe Saddle Support, Type 36	221.59	65.34
23 05 29 00-0909		360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0759)</small> Note: Insert is for use as isolated protective insulation at hangers.		
23 05 29 00-0910		1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0909)</small>		
23 05 29 00-0911	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.29	7.78
23 05 29 00-0912	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.42	7.78
23 05 29 00-0913	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.45	7.78
23 05 29 00-0914	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.58	7.78
23 05 29 00-0915	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.73	8.26
23 05 29 00-0916	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.43	8.49
23 05 29 00-0917	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.22	8.85
23 05 29 00-0918	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.07	9.21
23 05 29 00-0919	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.29	9.57
23 05 29 00-0920	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.26	8.26
23 05 29 00-0921	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.95	10.77
23 05 29 00-0922	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.13	12.68
23 05 29 00-0923	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.24	14.72
23 05 29 00-0924	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.56	15.19

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0925			1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0909)		
23 05 29 00-0926	EA		1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.11	5.86
23 05 29 00-0927	EA		3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.75	5.86
23 05 29 00-0928	EA		1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.00	5.98
23 05 29 00-0929	EA		1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.34	6.10
23 05 29 00-0930	EA		1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.66	6.10
23 05 29 00-0931	EA		2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.25	6.34
23 05 29 00-0932	EA		2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.99	6.58
23 05 29 00-0933	EA		3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.42	6.70
23 05 29 00-0934	EA		4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.88	7.29
23 05 29 00-0935	EA		6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.76	12.56
23 05 29 00-0936	EA		8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.63	9.45
23 05 29 00-0937	EA		10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.28	11.12
23 05 29 00-0938	EA		12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.37	12.80
23 05 29 00-0939	EA		14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.51	15.43
23 05 29 00-0940			2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0909)		
23 05 29 00-0941	EA		1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.49	6.70
23 05 29 00-0942	EA		3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.59	6.70
23 05 29 00-0943	EA		1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.98	6.82
23 05 29 00-0944	EA		1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.34	6.94
23 05 29 00-0945	EA		1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.71	7.06
23 05 29 00-0946	EA		2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.38	7.29
23 05 29 00-0947	EA		2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.20	7.53
23 05 29 00-0948	EA		3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.99	7.78
23 05 29 00-0949	EA		4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.58	8.26
23 05 29 00-0950	EA		6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.60	9.33
23 05 29 00-0951	EA		8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.00	15.91
23 05 29 00-0952	EA		10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.91	18.42
23 05 29 00-0953	EA		12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	52.43	21.77
23 05 29 00-0954	EA		14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	58.82	24.40
23 05 29 00-0955	EA		16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	65.99	27.52
23 05 29 00-0956	EA		18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	76.56	32.30
23 05 29 00-0957	EA		20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	85.04	35.88
23 05 29 00-0958	EA		24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	96.22	40.68
23 05 29 00-0959			2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0909)		
23 05 29 00-0960	EA		1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.95	7.78
23 05 29 00-0961	EA		3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.07	7.78
23 05 29 00-0962	EA		1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.56	7.90
23 05 29 00-0963	EA		1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.90	8.02
23 05 29 00-0964	EA		1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.24	8.02
23 05 29 00-0965	EA		2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.09	8.38
23 05 29 00-0966	EA		2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.02	8.61
23 05 29 00-0967	EA		3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.92	8.97
23 05 29 00-0968	EA		4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.73	9.45
23 05 29 00-0969	EA		6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.22	10.77
23 05 29 00-0970	EA		8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.44	11.96
23 05 29 00-0971	EA		10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.45	13.75
23 05 29 00-0972	EA		12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	48.00	17.11
23 05 29 00-0973	EA		14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	53.35	18.79
23 05 29 00-0974	EA		16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	65.38	23.93
23 05 29 00-0975	EA		18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	69.48	25.13
23 05 29 00-0976	EA		20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	79.12	28.71
23 05 29 00-0977	EA		24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	94.33	34.69
23 05 29 00-0978			3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0909)		
23 05 29 00-0979	EA		1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.39	8.02
23 05 29 00-0980	EA		3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.65	8.38
23 05 29 00-0981	EA		1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.99	8.38
23 05 29 00-0982	EA		1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	42.92	8.61
23 05 29 00-0983	EA		1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	43.99	8.85
23 05 29 00-0984	EA		2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	45.20	8.97
23 05 29 00-0985	EA		2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	47.46	9.21
23 05 29 00-0986	EA		3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	49.48	9.80
23 05 29 00-0987	EA		4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	54.20	10.17
23 05 29 00-0988	EA		6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	61.95	12.44
23 05 29 00-0989	EA		8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	78.24	13.63
23 05 29 00-0990	EA		10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	92.71	14.36
23 05 29 00-0991	EA		12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	107.36	18.54
23 05 29 00-0992	EA		14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	120.40	19.74
23 05 29 00-0993	EA		16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	146.00	26.32
23 05 29 00-0994	EA		18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	157.10	28.71
23 05 29 00-0995	EA		20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	177.73	31.10
23 05 29 00-0996	EA		24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	208.95	38.28

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

23 05 29 00-0997		3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0909)</small>		
23 05 29 00-0998	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.95	7.78
23 05 29 00-0999	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.95	9.45
23 05 29 00-1000	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.52	9.45
23 05 29 00-1001	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.88	9.57
23 05 29 00-1002	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.39	9.69
23 05 29 00-1003	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.25	10.05
23 05 29 00-1004	EA	2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.39	10.41
23 05 29 00-1005	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.44	10.77
23 05 29 00-1006	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.69	11.36
23 05 29 00-1007	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.85	12.92
23 05 29 00-1008	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.29	14.36
23 05 29 00-1009	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	48.55	16.51
23 05 29 00-1010	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	57.58	20.57
23 05 29 00-1011	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	64.03	22.49
23 05 29 00-1012	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	78.46	28.71
23 05 29 00-1013	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	83.37	30.15
23 05 29 00-1014	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	95.01	34.45
23 05 29 00-1015	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	113.20	41.63

23 05 29 00-1016		4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0909)</small>		
23 05 29 00-1017	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.54	10.53
23 05 29 00-1018	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.70	10.53
23 05 29 00-1019	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.40	10.65
23 05 29 00-1020	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.93	10.77
23 05 29 00-1021	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.22	10.77
23 05 29 00-1022	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.84	11.48
23 05 29 00-1023	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.67	11.60
23 05 29 00-1024	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.94	12.09
23 05 29 00-1025	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.39	12.80
23 05 29 00-1026	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.06	14.48
23 05 29 00-1027	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	45.55	15.67
23 05 29 00-1028	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	54.64	18.67
23 05 29 00-1029	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	64.78	23.21
23 05 29 00-1030	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	72.05	25.25
23 05 29 00-1031	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	88.33	32.30
23 05 29 00-1032	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	93.73	33.86
23 05 29 00-1033	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	106.18	38.76
23 05 29 00-1034	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	127.38	46.90
23 05 29 00-1035	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	147.44	55.14
23 05 29 00-1036	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	170.61	65.08
23 05 29 00-1037	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	196.97	76.92
23 05 29 00-1038	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	292.61	118.78
23 05 29 00-1039	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	318.51	130.75
23 05 29 00-1040	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	341.66	141.16

23 05 29 00-1041		Equipment Housekeeping Pads <small>(23 05 29)</small>		
23 05 29 00-1042		Molded Plastic Condenser Pad <small>(23 05 29 00-1041)</small>		
23 05 29 00-1043	EA	30" Round Molded Plastic Pad.....	62.86	15.39
23 05 29 00-1044	EA	30" Octagon Molded Plastic Pad.....	64.97	15.39
23 05 29 00-1045	EA	30" x 30" Molded Plastic Pad.....	62.86	15.39
23 05 29 00-1046	EA	36" x 36" Molded Plastic Pad.....	75.51	15.39
23 05 29 00-1047	EA	36" x 48" Molded Plastic Pad.....	99.16	15.39

23 05 29 00-1048		Inertia Base <small>(23 05 29 00-1041)</small>		
Note: Includes spring isolators.				
23 05 29 00-1049	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base.....	1,119.14	
23 05 29 00-1050	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base.....	1,348.47	
23 05 29 00-1051	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base.....	1,544.30	
23 05 29 00-1052	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base.....	1,762.47	

23 05 29 00-1053		Hanger Assemblies <small>(23 05 29)</small>		
Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.				
23 05 29 00-1054	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly.....	50.08	19.13
Note: Includes hanger, rod, nuts, washers and clamp.				
For Work In Restricted Working Space, Add			12.32	
23 05 29 00-1055	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly.....	52.35	20.27
Note: Includes hanger, rod, nuts, washers and clamp.				
For Work In Restricted Working Space, Add			13.00	
23 05 29 00-1056	EA	1" Standard Duty Clevis Pipe Hanger Assembly.....	54.00	21.39
Note: Includes hanger, rod, nuts, washers and clamp.				
For Work In Restricted Working Space, Add			13.47	
23 05 29 00-1057	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly.....	54.98	21.42
Note: Includes hanger, rod, nuts, washers and clamp.				
For Work In Restricted Working Space, Add			13.67	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1058	EA		1-1/2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	55.23 13.67	21.42
23 05 29 00-1059	EA		2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	56.41 13.87	21.59
23 05 29 00-1060	EA		2-1/2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	63.93 14.11	23.09
23 05 29 00-1061	EA		3" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	65.95 14.33	23.76
23 05 29 00-1062	EA		4" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	78.24 15.82	26.82
23 05 29 00-1063	EA		6" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	113.47 20.78	34.65
23 05 29 00-1064	EA		8" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	133.16 24.11	40.20
23 05 29 00-1065	EA		10" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	182.63 30.25	51.06
23 05 29 00-1066	EA		12" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	201.91 33.03	54.94
23 05 29 00-1067			Steel Shapes For Hanger Devices (23 05 29)		
23 05 29 00-1068			Angle Iron For Hanger Devices (23 05 29 00-1067)		
23 05 29 00-1069	LF		1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	2.88	1.90
23 05 29 00-1070	LF		3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	3.74	2.37
23 05 29 00-1071	LF		1" x 1" x 1/8" Angle Iron For Hanger Devices	4.56	2.83
23 05 29 00-1072	LF		1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	6.13	3.54
23 05 29 00-1073	LF		1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	6.78	3.79
23 05 29 00-1074	LF		2" x 2" x 1/4" Angle Iron For Hanger Devices	8.75	4.26
23 05 29 00-1075	LF		2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	10.83	5.18
23 05 29 00-1076	LF		3" x 2" x 3/8" Angle Iron For Hanger Devices	13.78	6.09
23 05 29 00-1077	LF		3" x 3" x 3/8" Angle Iron For Hanger Devices	16.39	7.10
23 05 29 00-1078			Channels For Hanger Devices (23 05 29 00-1067)		
23 05 29 00-1079	LF		C2 X 1.78 - 2" Wide (Channels) For Hanger Devices	7.95	4.70
23 05 29 00-1080	LF		C3 X 4.1 - 3" Wide (Channels) For Hanger Devices	12.94	6.75
23 05 29 00-1081	LF		C4 X 5.4 - 4" Wide (Channels) For Hanger Devices	15.99	8.10
23 05 29 00-1082	LF		C5 X 6.7 - 5" Wide (Channels) For Hanger Devices	19.05	9.44
23 05 29 00-1083	LF		C6 X 8.2 - 6" Wide (Channels) For Hanger Devices	23.00	11.34
23 05 29 00-1084	LF		C7 X 9.8 - 7" Wide (Channels) For Hanger Devices	27.42	13.50
23 05 29 00-1085	LF		C8 X 11.5 - 8" Wide (Channels) For Hanger Devices	30.86	14.86
23 05 29 00-1086			Structural Bar Tees For Hanger Devices (23 05 29 00-1067)		
23 05 29 00-1087	LF		3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices.....	9.61	6.60
23 05 29 00-1088	LF		1" x 1" x 1/8" Structural Bar Tee For Hanger Devices.....	11.57	7.80
23 05 29 00-1089	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	15.47	9.00
23 05 29 00-1090	LF		2" x 2" x 1/4" Structural Bar Tee For Hanger Devices.....	19.90	12.00
23 05 29 00-1091	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	26.35	14.40
23 05 29 00-1092	LF		3" x 3" x 3/8" Structural Bar Tee For Hanger Devices.....	33.19	18.60
23 05 29 00-1093			Structural Zees For Hanger Devices (23 05 29 00-1067)		
23 05 29 00-1094	LF		1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices.....	15.48	9.00
23 05 29 00-1095	LF		2-1/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	17.64	9.00
23 05 29 00-1096	LF		3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices.....	25.18	9.00
23 05 29 00-1097	LF		3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices.....	31.04	9.00
23 05 29 00-1098	LF		3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices.....	36.83	9.00
23 05 29 00-1099			Junior I-beams For Hanger Devices (23 05 29 00-1067)		
23 05 29 00-1100	LF		3" I-beam (Junior) For Hanger Devices.....	20.13	13.20
23 05 29 00-1101	LF		4" I-beam (Junior) For Hanger Devices.....	22.81	14.40
23 05 29 00-1102	LF		5" I-beam (Junior) For Hanger Devices.....	25.84	15.60
23 05 29 00-1103	LF		6" I-beam (Junior) For Hanger Devices.....	28.18	17.40
23 05 29 00-1104	LF		7" I-beam (Junior) For Hanger Devices.....	32.50	18.60
23 05 29 00-1105	LF		8" I-beam (Junior) For Hanger Devices.....	35.08	19.80

23 05 33 Heat Tracing For HVAC Piping (23 05)

See CSI section 23 83 13 00-0000 for heat tracing cables.

23 05 48 Vibration and Seismic Controls for HVAC (23 05)**23 05 48 13 Vibration Controls for HVAC (23 05 48)**

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

23 05 48 13-0001	Unhoused Stable Steel Spring Isolators <small>(23 05 48 13)</small> Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.			
	23 05 48 13-0002 EA 60 LB Unhoused Steel Spring Isolator.....		134.04	34.46
	23 05 48 13-0003 EA 115 LB Unhoused Steel Spring Isolator.....		144.55	34.46
	23 05 48 13-0004 EA 1,130 LB Unhoused Steel Spring Isolator.....		179.41	34.46
23 05 48 13-0005	Vibration Isolators <small>(23 05 48 13)</small>			
23 05 48 13-0006	Spring And Rubber Hanger For 1" Deflection <small>(23 05 48 13-0005)</small>			
	23 05 48 13-0007 EA 50-500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size		201.35	23.52
	23 05 48 13-0008 EA 600-1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size		441.29	26.14
23 05 48 13-0009	Rubber-In-Shear Isolator Hanger <small>(23 05 48 13-0005)</small>			
	23 05 48 13-0010 EA 45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size		106.90	19.60
	23 05 48 13-0011 EA 130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size		140.04	23.52
23 05 48 13-0012	Spring Hanger For 1" Deflection <small>(23 05 48 13-0005)</small>			
	23 05 48 13-0013 EA 50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size		120.30	23.52
23 05 48 13-0014	Rubber-In-Shear Vibration Isolator <small>(23 05 48 13-0005)</small>			
	23 05 48 13-0015 EA 45-340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection		220.90	44.43
	23 05 48 13-0016 EA 130-700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection		313.92	44.43
	23 05 48 13-0017 EA 550-1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection		633.17	44.43
23 05 48 13-0018	Two-Piece Spring Type Vibration Isolator <small>(23 05 48 13-0005)</small> Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.			
	23 05 48 13-0019 EA 50 - 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....		181.69	44.43
	23 05 48 13-0020 EA >1,000 - 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....		188.62	44.43
23 05 48 13-0021	Open Double Spring Type Vibration Isolator <small>(23 05 48 13-0005)</small> Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.			
	23 05 48 13-0022 EA 150-450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....		150.98	22.22
	23 05 48 13-0023 EA 500-1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....		150.98	22.22
	23 05 48 13-0024 EA 1,100-1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....		174.09	22.22
	23 05 48 13-0025 EA 1,700-2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....		174.09	22.22
	23 05 48 13-0026 EA 2,500-3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....		278.61	22.22
23 05 48 13-0027	Isolation Pads <small>(23 05 48 13-0005)</small>			
23 05 48 13-0028	Laminated Neoprene And Cork Isolation Pad <small>(23 05 48 13-0027)</small>			
	23 05 48 13-0029 EA 2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad.....		7.80	3.26
	23 05 48 13-0030 EA 3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad.....		9.84	3.40
	23 05 48 13-0031 EA 4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad.....		12.18	3.53
	23 05 48 13-0032 EA 12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad.....		46.32	4.05
	23 05 48 13-0033 EA 18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad.....		88.01	4.57
23 05 48 13-0034	Neoprene And Steel Plate Isolation Pad <small>(23 05 48 13-0027)</small>			
	23 05 48 13-0035 EA 6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad		54.34	3.26
	23 05 48 13-0036 EA 6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad		59.58	3.26
23 05 48 13-0037	Neoprene Isolation Pad <small>(23 05 48 13-0027)</small>			
	23 05 48 13-0038 EA 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad.....		7.32	3.26
	23 05 48 13-0039 EA 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad.....		8.28	3.26
	23 05 48 13-0040 EA 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad.....		9.79	3.26
	23 05 48 13-0041 EA 12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad.....		45.58	3.92
	23 05 48 13-0042 EA 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad.....		82.76	4.57
23 05 48 13-0043	Threaded Flexible Bronze Hose Connectors <small>(23 05 48 13)</small> Note: Includes hex threaded nipple ends.			
	23 05 48 13-0044 EA 3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends		101.86	20.90
	23 05 48 13-0045 EA 1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends		116.51	28.75
	23 05 48 13-0046 EA 3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends		143.40	35.28
	23 05 48 13-0047 EA 1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends		166.24	41.82
	23 05 48 13-0048 EA 1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends		189.93	54.88
	23 05 48 13-0049 EA 1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends		213.36	58.41
	23 05 48 13-0050 EA 2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends		288.27	69.26
	23 05 48 13-0051 EA 2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends		403.79	107.94

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48	13-0052		Flanged Flexible Hose Connectors (23 05 48 13)		
23 05 48	13-0053		Flanged Flexible Molded Rubber Hose Connectors (23 05 48 13-0052) Note: With helical wire reinforcement 150 PSI.		
23 05 48	13-0054	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	307.91	98.01
23 05 48	13-0055	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	331.78	108.85
23 05 48	13-0056	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	519.05	217.44
23 05 48	13-0057	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	706.14	323.42
23 05 48	13-0058	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	923.65	417.50
23 05 48	13-0059	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,220.97	432.10
23 05 48	13-0060	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,500.60	493.52
23 05 48	13-0061	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,970.58	587.31
23 05 48	13-0062	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	4,444.34	734.57
23 05 48	13-0063		Flanged Flexible Corrugated Stainless Steel Hose Connectors (23 05 48 13-0052) Note: With braided metal wire.		
23 05 48	13-0064	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	233.22	89.12
23 05 48	13-0065	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	208.11	122.57
23 05 48	13-0066	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	436.68	163.34
23 05 48	13-0067	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	549.87	245.01
23 05 48	13-0068	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	588.23	269.58
23 05 48	13-0069	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	677.01	326.42
23 05 48	13-0070	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	866.64	417.89
23 05 48	13-0071	EA	4" Diameter x 30" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,664.15	576.52
23 05 48	13-0072	EA	4" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,896.15	675.83
23 05 48	13-0073	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,214.02	517.48
23 05 48	13-0074	EA	6" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,354.10	648.15
23 05 48	13-0075	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,075.12	691.36
23 05 48	13-0076	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,449.81	799.45
23 05 48	13-0077	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	3,237.80	864.20
23 05 48	13-0078		Flanged Flexible Molded Teflon Hose Connectors (23 05 48 13-0052) Note: 150 PSI.		
23 05 48	13-0079	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,469.31	189.47
23 05 48	13-0080	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,643.54	222.15
23 05 48	13-0081	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,473.42	373.35
23 05 48	13-0082	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,998.06	432.10
23 05 48	13-0083	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	3,979.94	530.04
23 05 48	13-0084		Flexible Hose Connectors Braided Metal Hose Type, Bronze (23 05 48 13)		
23 05 48	13-0085		Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0084) Note: MPT connection.		
23 05 48	13-0086	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	59.23	2.46
23 05 48	13-0087	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	71.29	2.46
23 05 48	13-0088	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	78.76	3.20
23 05 48	13-0089	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	96.54	3.20
23 05 48	13-0090	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	79.62	2.95
23 05 48	13-0091	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	96.84	2.95
23 05 48	13-0092	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	110.23	3.82
23 05 48	13-0093	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	137.04	3.82
23 05 48	13-0094	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	109.18	3.45
23 05 48	13-0095	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	119.75	3.45
23 05 48	13-0096	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	141.76	4.55
23 05 48	13-0097	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	180.97	4.55
23 05 48	13-0098	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	219.89	4.55
23 05 48	13-0099	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	258.93	4.55
23 05 48	13-0100	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	156.05	4.42
23 05 48	13-0101	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	172.51	4.42
23 05 48	13-0102	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	222.67	4.42
23 05 48	13-0103	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	309.90	5.89
23 05 48	13-0104	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	360.45	5.89
23 05 48	13-0105	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	427.71	5.89
23 05 48	13-0106	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	214.40	5.33
23 05 48	13-0107	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	248.80	5.33
23 05 48	13-0108	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	315.42	5.33
23 05 48	13-0109	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	420.70	7.13
23 05 48	13-0110	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	522.23	7.13
23 05 48	13-0111	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	623.68	7.13
23 05 48	13-0112	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	298.85	6.68
23 05 48	13-0113	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	341.22	6.34
23 05 48	13-0114	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	384.01	6.34
23 05 48	13-0115	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	472.88	8.50
23 05 48	13-0116	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	558.93	8.50
23 05 48	13-0117	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	642.31	8.50
23 05 48	13-0118	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	472.92	8.50
23 05 48	13-0119	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	530.08	8.50
23 05 48	13-0120	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	405.65	8.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0121	EA		3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	489.87	11.33
23 05 48 13-0122	EA		3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	822.86	11.33
23 05 48 13-0123	EA		3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	935.34	11.33
23 05 48 13-0124	EA		4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	871.43	9.92
23 05 48 13-0125	EA		4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	938.22	9.92
23 05 48 13-0126	EA		4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	1,005.02	9.92
23 05 48 13-0127	EA		4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	1,147.02	13.23
23 05 48 13-0128	EA		4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	1,280.09	13.23
23 05 48 13-0129	EA		4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	1,416.02	13.23
23 05 48 13-0130			Braided Stainless Steel Flexible Hose Connectors <small>(23 05 48 13-0084)</small>		
			Note: Over braided carbon steel connection.		
23 05 48 13-0131	EA		2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	257.14	5.70
23 05 48 13-0132	EA		2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	311.78	5.70
23 05 48 13-0133	EA		2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	365.40	5.70
23 05 48 13-0134	EA		2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	478.16	7.64
23 05 48 13-0135	EA		2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	586.85	7.64
23 05 48 13-0136	EA		2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	695.42	7.64
23 05 48 13-0137	EA		2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	290.50	6.34
23 05 48 13-0138	EA		2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	347.61	6.34
23 05 48 13-0139	EA		2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	404.99	6.34
23 05 48 13-0140	EA		2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	524.41	8.50
23 05 48 13-0141	EA		2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	638.69	8.50
23 05 48 13-0142	EA		2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	751.38	8.50
23 05 48 13-0143	EA		4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	306.38	8.50
23 05 48 13-0144	EA		4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	371.81	8.72
23 05 48 13-0145	FT		4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	438.18	8.50
23 05 48 13-0146	EA		4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	580.24	11.33
23 05 48 13-0147	EA		4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	712.25	11.33
23 05 48 13-0148	EA		4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	848.01	11.33
23 05 48 13-0149	EA		6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	620.35	17.47
23 05 48 13-0150	EA		6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	922.94	17.59
23 05 48 13-0151	EA		6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,238.10	23.16
23 05 48 13-0152	EA		6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,540.82	23.16
23 05 48 13-0153	EA		6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,843.46	23.16
23 05 48 13-0154	EA		8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,083.27	20.83
23 05 48 13-0155	EA		8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,312.21	20.83
23 05 48 13-0156	EA		8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,780.14	27.08
23 05 48 13-0157	EA		8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,234.30	27.08
23 05 48 13-0158	EA		8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,688.34	27.08
23 05 48 13-0159	EA		10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,156.86	26.04
23 05 48 13-0160	EA		10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,729.22	26.04
23 05 48 13-0161	EA		10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,317.12	33.90
23 05 48 13-0162	EA		10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,891.48	33.90
23 05 48 13-0163	EA		10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	3,463.42	33.90
23 05 48 13-0164	EA		12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,314.46	31.48
23 05 48 13-0165	EA		12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	3,028.76	31.48
23 05 48 13-0166	EA		12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	3,786.35	42.36
23 05 48 13-0167	EA		12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	4,506.92	42.36

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 48 Vibration and Seismic Controls for HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 48 13-0168	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	5,230.86	42.36
23 05 48 13-0169 Braided Metal Hose Type Flexible Bronze Hose Connectors <small>(23 05 48 13-0084)</small>				
Note: Flanged end connection (carbon steel ends).				
23 05 48 13-0170	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	182.59	5.33
23 05 48 13-0171	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	433.27	151.02
23 05 48 13-0172	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	507.16	151.02
23 05 48 13-0173	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	581.05	151.02
23 05 48 13-0174	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	654.97	151.02
23 05 48 13-0175	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	434.52	192.61
23 05 48 13-0176	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	512.38	192.61
23 05 48 13-0177	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	590.28	192.61
23 05 48 13-0178	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	668.20	192.61
23 05 48 13-0179	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	744.76	192.61
23 05 48 13-0180	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	642.95	322.90
23 05 48 13-0181	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	733.84	323.70
23 05 48 13-0182	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	826.20	322.90
23 05 48 13-0183	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	929.47	322.90
23 05 48 13-0184	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,008.38	322.90
23 05 48 13-0185	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	966.39	436.54
23 05 48 13-0186	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,172.32	436.54
23 05 48 13-0187	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,378.36	438.11
23 05 48 13-0188	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,584.32	436.54
23 05 48 13-0189	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,790.25	436.54
23 05 48 13-0190	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,456.68	532.37
23 05 48 13-0191	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,612.47	532.37
23 05 48 13-0192	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,921.35	532.37
23 05 48 13-0193	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,230.34	532.37
23 05 48 13-0194	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,539.19	532.37
23 05 48 13-0195	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,227.63	648.10
23 05 48 13-0196	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,615.77	648.10
23 05 48 13-0197	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,006.51	648.10
23 05 48 13-0198	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,396.42	648.10
23 05 48 13-0199	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,711.53	648.10
23 05 48 13-0200	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,956.54	786.98
23 05 48 13-0201	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,449.08	786.98
23 05 48 13-0202	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,941.58	786.98
23 05 48 13-0203	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,434.09	786.98
23 05 48 13-0204	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,926.62	786.98

23 05 53 Identification For HVAC Piping And Equipment (23 05)**23 05 53 00-0001 Systems Identification** (23 05 53)**23 05 53 00-0002 Pipe Marker Snap-On Type Plastic** (23 05 53 00-0001)

Note: Outside diameters include insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker	12.67
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker	12.98
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker	13.15
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker	13.37
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker	14.44

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

23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker.....	14.99	
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker.....	19.35	
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker.....	19.78	
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker.....	20.26	
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker.....	20.52	
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker.....	20.78	
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker.....	21.05	
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker.....	21.79	
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker.....	22.09	
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker.....	25.11	
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker.....	26.64	
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker.....	31.23	
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker.....	35.63	

23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)

Note: Stick on include arrow tape. Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	12.87	
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	13.49	
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	14.72	
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	14.97	
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	15.76	
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	16.14	
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	17.73	
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	18.22	
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	18.58	
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	18.97	
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	19.73	
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	20.56	
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	21.29	
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	22.01	
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	23.82	
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	25.18	
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	29.12	

23 05 53 00-0039 Valve Identification Tag (23 05 53 00-0001)

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass.....	11.29	
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic.....	10.88	
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass.....	10.75	

23 05 93 Testing, Adjusting, And Balancing For HVAC (23 05)

Note: New systems include all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems.

23 05 93 00-0001 Heating And Ventilating Equipment (23 05 93)

23 05 93 00-0002	EA	Balancing Centrifugal Fans.....	462.63	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-231.32</i>	
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units.....	578.06	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-289.03</i>	
23 05 93 00-0004	EA	Balancing In Line Fan.....	520.47	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-260.24</i>	
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan.....	115.66	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-57.83</i>	
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan.....	346.95	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-173.48</i>	
23 05 93 00-0007	EA	Balancing Wall Fan.....	86.73	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-43.37</i>	
23 05 93 00-0008	EA	Balancing Fan Section Exhaust.....	461.90	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-230.95</i>	

23 05 93 00-0009 Air Conditioning Equipment (23 05 93)

23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit.....	962.19	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-481.10</i>	
23 05 93 00-0011	EA	Balancing Package A/C Unit.....	360.82	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-180.41</i>	
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit.....	481.09	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-240.55</i>	
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit.....	1,683.82	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-841.91</i>	

23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers (23 05 93)

23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser.....	86.74	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-43.37</i>	
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser.....	144.58	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-72.29</i>	
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser.....	75.18	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-37.59</i>	
23 05 93 00-0018	EA	Balance Variable Air Volume Box.....	81.45	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-40.73</i>	
23 05 93 00-0019	EA	Balance Constant Volume Box.....	81.45	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-40.73</i>	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 93 Testing, Adjusting, And Balancing For HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0020	EA		Balance Fan Powered Box	92.53	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-46.27	
23 05 93 00-0021	EA		Balance Lab Fume Hood	375.90	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-187.95	
23 05 93 00-0022	EA		Balance General Hood	289.15	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-144.58	
23 05 93 00-0023	EA		Balance Induction Unit	173.49	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-86.75	
23 05 93 00-0024	EA		Balance Moduline - Master	69.37	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-34.69	
23 05 93 00-0025	EA		Balance Moduline - Slave	34.69	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-17.35	
23 05 93 00-0026	EA		Balance Dampers	32.22	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-16.11	
23 05 93 00-0027	EA		Balance Regenerators	461.90	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-230.95	
23 05 93 00-0028			Water Balancing Of Components (23 05 93)		
23 05 93 00-0029	EA		Water Balance, Air Cool Condenser	661.56	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-330.78	
23 05 93 00-0030	EA		Water Balance, Cabinet Heater	84.20	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-42.10	
23 05 93 00-0031	EA		Water Balance, Chiller, Air Cooled	721.58	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-360.79	
23 05 93 00-0032	EA		Water Balance, Chiller, Water Cooled	962.19	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-481.10	
23 05 93 00-0033	EA		Water Balance, Cooling Tower	481.09	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-240.55	
23 05 93 00-0034	EA		Water Balance, Fan Coil And Vent	120.34	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-60.17	
23 05 93 00-0035	EA		Water Balance, Fin Tube And Radiant Panel	120.27	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-60.14	
23 05 93 00-0036	EA		Water Balance, Main And Duct Re-Heat Coil	132.30	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-66.15	
23 05 93 00-0037	EA		Water Balance, Pumps	360.83	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-180.42	
23 05 93 00-0038	EA		Water Balance, Unit Heater	84.19	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-42.10	
23 05 93 00-0039	EA		Water Balancing, Converter	360.96	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-180.48	
23 05 93 00-0040	EA		Water Balancing, Cocks And Valves	60.12	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-30.06	
23 05 93 00-0041	EA		Water Balance, Convector	72.16	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-36.08	
23 05 93 00-0042	EA		Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	90.21	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-45.11	
23 05 93 00-0043	EA		Water Balance, Boiler, Up To 500 MBH	781.77	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-390.89	
23 05 93 00-0044	EA		>500 To 1,000 MBH, Water Balance, Boiler	1,443.28	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-721.64	
23 05 93 00-0045	EA		>1,000 MBH, Water Balance, Boiler	2,646.02	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-1,323.01	
23 05 93 00-0046			Non Destructive Testing (23 05 93)		
23 05 93 00-0047			X-Ray Welds, Non-Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0048			X-Ray Welds Minimum Set-Up Charge (23 05 93 00-0047)		
23 05 93 00-0049	EA		X-Ray Welds Minimum Set-Up Charge	973.51	
			Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
23 05 93 00-0050			Piping, X-Ray Welds, Non Destructive Testing (23 05 93 00-0047)		
23 05 93 00-0051	EA		Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing	96.28	
23 05 93 00-0052	EA		1" Piping, X-Ray Welds, Non Destructive Testing	109.74	
23 05 93 00-0053	EA		1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing	123.21	
23 05 93 00-0054	EA		2" Piping, X-Ray Welds, Non Destructive Testing	130.15	
23 05 93 00-0055	EA		3" Piping, X-Ray Welds, Non Destructive Testing	137.08	
23 05 93 00-0056	EA		4" Piping, X-Ray Welds, Non Destructive Testing	144.43	
23 05 93 00-0057	EA		6" Piping, X-Ray Welds, Non Destructive Testing	158.30	
23 05 93 00-0058	EA		8" Piping, X-Ray Welds, Non Destructive Testing	172.16	
23 05 93 00-0059	EA		10" Piping, X-Ray Welds, Non Destructive Testing	179.49	
23 05 93 00-0060	EA		12" Piping, X-Ray Welds, Non Destructive Testing	186.82	
23 05 93 00-0061			Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0062			Piping, Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0061)		
23 05 93 00-0063	EA		Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	98.63	
23 05 93 00-0064	EA		1" Piping, Liquid Penetration Of Welds, Non Destructive Testing	105.16	
23 05 93 00-0065	EA		1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	111.70	
23 05 93 00-0066	EA		2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	114.96	
23 05 93 00-0067	EA		3" Piping, Liquid Penetration Of Welds, Non Destructive Testing	119.86	
23 05 93 00-0068	EA		4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	124.76	
23 05 93 00-0069	EA		6" Piping, Liquid Penetration Of Welds, Non Destructive Testing	134.56	

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

23 05 93 00-0070	EA	8"	Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	144.36	
23 05 93 00-0071	EA	10"	Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	154.16	
23 05 93 00-0072	EA	12"	Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	163.96	

23 05 93 00-0073 Hydrostatic Testing (23 05 93 00-0046)
 Note: Includes flushing and restoring of system.

23 05 93 00-0074 Piping, Hydrostatic Testing (23 05 93 00-0073)

23 05 93 00-0075	EA	Up To 100'	Up To 1-1/2" Piping, Hydrostatic Testing.....	859.69	
23 05 93 00-0076	EA	>100' To 250'	Up To 1-1/2" Piping, Hydrostatic Testing	1,228.13	
23 05 93 00-0077	EA	>250' To 500'	Up To 1-1/2" Piping, Hydrostatic Testing	1,471.54	
23 05 93 00-0078	EA	>500' To 1,000'	Up To 1-1/2" Piping, Hydrostatic Testing	1,960.09	
23 05 93 00-0079	EA	>1,000' To 2,000'	Up To 1-1/2" Piping, Hydrostatic Testing.....	2,969.83	
23 05 93 00-0080	EA	Up To 100', >1-1/2" To 4"	Piping, Hydrostatic Testing.....	1,143.04	
23 05 93 00-0081	EA	>100' To 250', >1-1/2" To 4"	Piping, Hydrostatic Testing.....	1,633.41	
23 05 93 00-0082	EA	>250' To 500', >1-1/2" To 4"	Piping, Hydrostatic Testing.....	1,944.53	
23 05 93 00-0083	EA	>500' To 1,000', >1-1/2" To 4"	Piping, Hydrostatic Testing.....	2,548.09	
23 05 93 00-0084	EA	>1,000' To 2,000', >1-1/2" To 4"	Piping, Hydrostatic Testing.....	3,854.82	
23 05 93 00-0085	EA	Up To 100', >4" To 10"	Piping, Hydrostatic Testing.....	1,489.67	
23 05 93 00-0086	EA	>100' To 250', >4" To 10"	Piping, Hydrostatic Testing.....	2,123.43	
23 05 93 00-0087	EA	>250' To 500', >4" To 10"	Piping, Hydrostatic Testing.....	2,229.64	
23 05 93 00-0088	EA	>500' To 1,000', >4" To 10"	Piping, Hydrostatic Testing.....	2,921.00	
23 05 93 00-0089	EA	>1,000' To 2,000', >4" To 10"	Piping, Hydrostatic Testing.....	4,418.93	
23 05 93 00-0090	EA	Up To 100', >10" To 14"	Piping, Hydrostatic Testing	1,933.96	
23 05 93 00-0091	EA	>100' To 250', >10" To 14"	Piping, Hydrostatic Testing.....	2,757.17	
23 05 93 00-0092	EA	>250' To 500', >10" To 14"	Piping, Hydrostatic Testing.....	2,899.10	
23 05 93 00-0093	EA	>500' To 1,000', >10" To 14"	Piping, Hydrostatic Testing.....	3,802.47	
23 05 93 00-0094	EA	>1,000' To 2,000', >10" To 14"	Piping, Hydrostatic Testing.....	5,761.34	

23 05 93 00-0095 Pneumatic Testing (23 05 93 00-0046)
 Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.

23 05 93 00-0096 Piping, Pneumatic Testing (23 05 93 00-0095)

23 05 93 00-0097	EA	Up To 100'	Up To 1-1/2" Piping, Pneumatic Testing.....	977.25	
			Note: Includes soaping joints.		
23 05 93 00-0098	EA	>100' To 250'	Up To 1-1/2" Piping, Pneumatic Testing	1,394.61	
			Note: Includes soaping joints.		
23 05 93 00-0099	EA	>250' To 500'	Up To 1-1/2" Piping, Pneumatic Testing	1,505.25	
			Note: Includes soaping joints.		
23 05 93 00-0100	EA	>500' To 1,000'	Up To 1-1/2" Piping, Pneumatic Testing.....	1,927.42	
			Note: Includes soaping joints.		
23 05 93 00-0101	EA	>1,000' To 2,000'	Up To 1-1/2" Piping, Pneumatic Testing.....	3,014.14	
			Note: Includes soaping joints.		
23 05 93 00-0102	EA	Up To 100', >1-1/2" To 4"	Piping, Pneumatic Testing.....	1,275.20	
			Note: Includes soaping joints.		
23 05 93 00-0103	EA	>100' To 250', >1-1/2" To 4"	Piping, Pneumatic Testing.....	1,810.94	
			Note: Includes soaping joints.		
23 05 93 00-0104	EA	>250' To 500', >1-1/2" To 4"	Piping, Pneumatic Testing.....	1,956.72	
			Note: Includes soaping joints.		
23 05 93 00-0105	EA	>500' To 1,000', >1-1/2" To 4"	Piping, Pneumatic Testing.....	2,506.24	
			Note: Includes soaping joints.		
23 05 93 00-0106	EA	>1,000' To 2,000', >1-1/2" To 4"	Piping, Pneumatic Testing.....	3,917.99	
			Note: Includes soaping joints.		
23 05 93 00-0107	EA	Up To 100', >4" To 10"	Piping, Pneumatic Testing.....	1,534.84	
			Note: Includes soaping joints.		
23 05 93 00-0108	EA	>100' To 250', >4" To 10"	Piping, Pneumatic Testing.....	2,166.27	
			Note: Includes soaping joints.		
23 05 93 00-0109	EA	>250' To 500', >4" To 10"	Piping, Pneumatic Testing.....	2,439.78	
			Note: Includes soaping joints.		
23 05 93 00-0110	EA	>500' To 1,000', >4" To 10"	Piping, Pneumatic Testing.....	3,116.57	
			Note: Includes soaping joints.		
23 05 93 00-0111	EA	>1,000' To 2,000', >4" To 10"	Piping, Pneumatic Testing.....	4,879.26	
			Note: Includes soaping joints.		
23 05 93 00-0112	EA	Up To 100', >10" To 14"	Piping, Pneumatic Testing.....	1,998.45	
			Note: Includes soaping joints.		
23 05 93 00-0113	EA	>100' To 250', >10" To 14"	Piping, Pneumatic Testing.....	2,816.29	
			Note: Includes soaping joints.		
23 05 93 00-0114	EA	>250' To 500', >10" To 14"	Piping, Pneumatic Testing.....	3,172.55	
			Note: Includes soaping joints.		
23 05 93 00-0115	EA	>500' To 1,000', >10" To 14"	Piping, Pneumatic Testing.....	4,052.09	
			Note: Includes soaping joints.		
23 05 93 00-0116	EA	>1,000' To 2,000', >10" To 14"	Piping, Pneumatic Testing.....	6,352.79	
			Note: Includes soaping joints.		

23 05 93 00-0117 EPA Testing Of Sludge (23 05 93)

23 05 93 00-0118	EA	Flashpoint And Lead Test For Lead.....		678.27	
23 05 93 00-0119	EA	Air Test/Combustion Gas Level		83.18	
23 05 93 00-0120	EA	Toxicity Test For Heavy Metals.....		1,037.39	
23 05 93 00-0121	EA	Aboveground Tank Water Settlement Test Including Water		789.92	

23 07 HVAC Insulation (23)
23 07 13 Duct Insulation (23 07)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 13 Duct Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001	FSK Fiber Glass Duct Wrap Insulation (23 07 13)		
	Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.		
23 07 13 00-0002	Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0003	SF 1" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.35	2.39
	For Plain Blanket, With No Facing, Deduct	-0.06	
	For Work In Restricted Working Space, Add	0.96	
23 07 13 00-0004	SF 1-1/2" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.92	2.39
	For Plain Blanket, With No Facing, Deduct	-0.07	
	For Work In Restricted Working Space, Add	1.12	
23 07 13 00-0005	SF 2" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.47	3.59
	For Plain Blanket, With No Facing, Deduct	-0.08	
	For Work In Restricted Working Space, Add	1.28	
23 07 13 00-0006	SF 3" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.23	4.19
	For Plain Blanket, With No Facing, Deduct	-0.10	
	For Work In Restricted Working Space, Add	1.50	
23 07 13 00-0007	SF 4" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.76	4.54
	For Plain Blanket, With No Facing, Deduct	-0.15	
	For Work In Restricted Working Space, Add	1.61	
23 07 13 00-0008	Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0009	SF 1" Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.17	3.59
	For Plain Blanket, With No Facing, Deduct	-0.07	
	For Work In Restricted Working Space, Add	1.20	
23 07 13 00-0010	SF 1-1/2" Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.82	4.19
	For Plain Blanket, With No Facing, Deduct	-0.09	
	For Work In Restricted Working Space, Add	1.38	
23 07 13 00-0011	SF 2" Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation.....	5.69	4.78
	For Plain Blanket, With No Facing, Deduct	-0.10	
	For Work In Restricted Working Space, Add	1.63	
23 07 13 00-0012	Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0013	SF 1" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.11	4.78
	For Plain Blanket, With No Facing, Deduct	-0.12	
	For Work In Restricted Working Space, Add	1.44	
23 07 13 00-0014	SF 1-1/2" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	6.02	5.38
	For Plain Blanket, With No Facing, Deduct	-0.21	
	For Work In Restricted Working Space, Add	1.65	
23 07 13 00-0015	SF 2" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	7.01	5.98
	For Plain Blanket, With No Facing, Deduct	-0.25	
	For Work In Restricted Working Space, Add	1.91	
23 07 13 00-0016	3 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)		
	Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0017	SF 1", 3 LB/CF FSK Rigid Fiber Glass Board Insulation	10.74	5.67
	For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	25.57	
	For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	18.71	
	For Non-Metallic Weatherproof Paste, 2 LB, Add	15.48	
	For Work In Restricted Working Space, Add	3.19	
23 07 13 00-0018	SF 1-1/2", 3 LB/CF FSK Rigid Fiber Glass Board Insulation	13.10	6.90
	For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	31.13	
	For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	22.79	
	For Non-Metallic Weatherproof Paste, 2 LB, Add	18.86	
	For Work In Restricted Working Space, Add	3.88	
23 07 13 00-0019	SF 2", 3 LB/CF FSK Rigid Fiber Glass Board Insulation	15.84	8.33
	For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	37.61	
	For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	27.54	
	For Non-Metallic Weatherproof Paste, 2 LB, Add	22.79	
	For Work In Restricted Working Space, Add	4.68	
23 07 13 00-0020	4.253 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)		
	Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021	SF 1", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	12.09	6.24
	For Work In Restricted Working Space, Add	3.50	
23 07 13 00-0022	SF 1-1/2", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	15.14	7.59
	For Work In Restricted Working Space, Add	4.27	
23 07 13 00-0023	SF 2", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	18.77	9.17
	For Work In Restricted Working Space, Add	5.15	
23 07 13 00-0024	Sheet Flexible Elastomeric Insulation (23 07 13)		
23 07 13 00-0025	SF 3/8" Thick Sheet Flexible Elastomeric Insulation	10.87	3.23
23 07 13 00-0026	SF 1/2" Thick Sheet Flexible Elastomeric Insulation	11.62	3.41
23 07 13 00-0027	SF 3/4" Thick Sheet Flexible Elastomeric Insulation	15.52	3.59
23 07 13 00-0028	SF 1" Thick Sheet Flexible Elastomeric Insulation	18.00	3.77
23 07 13 00-0029	SF 1-1/2" Thick Sheet Flexible Elastomeric Insulation	25.26	4.13
23 07 13 00-0030	SF 2" Thick Sheet Flexible Elastomeric Insulation	29.99	4.49
23 07 13 00-0031	Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)		
	Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032	SF 1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	16.49	3.41

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

23 07 13 00-0033	SF	3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	18.20	3.59
23 07 13 00-0034	SF	1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	20.34	3.77
23 07 13 00-0035	SF	1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	32.28	4.13
23 07 13 00-0036	SF	2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	38.37	4.49

23 07 13 00-0037 Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)

Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.

23 07 13 00-0038	SF	1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	19.97	3.41
23 07 13 00-0039	SF	3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	21.67	3.59
23 07 13 00-0040	SF	1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	24.43	3.77
23 07 13 00-0041	SF	1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	36.32	4.13

23 07 16 HVAC Equipment Insulation (23 07)

23 07 16 00-0001 Calcium Silicate Block Insulation (23 07 16)

23 07 16 00-0002	SF	1" Calcium Silicate Block Insulation	15.10	6.82
		<i>For Work In Restricted Working Space, Add</i>	4.09	
23 07 16 00-0003	SF	1-1/2" Calcium Silicate Block Insulation	17.53	7.67
		<i>For Work In Restricted Working Space, Add</i>	4.60	
23 07 16 00-0004	SF	2" Calcium Silicate Block Insulation	20.68	8.84
		<i>For Work In Restricted Working Space, Add</i>	5.32	
23 07 16 00-0005	SF	2-1/2" Calcium Silicate Block Insulation	24.43	10.38
		<i>For Work In Restricted Working Space, Add</i>	6.23	
23 07 16 00-0006	SF	3" Calcium Silicate Block Insulation	29.96	12.78
		<i>For Work In Restricted Working Space, Add</i>	7.67	

23 07 19 HVAC Piping Insulation (23 07)

See CSI section 22 07 19 00-0000 for pipe insulation.

23 07 19 00-0001 Calcium Silicate Pipe Insulation (23 07 19)

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0499 for protective jacketing.

23 07 19 00-0002 1" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)

23 07 19 00-0003	LF	1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.93	3.93
		<i>For Work In Restricted Working Space, Add</i>	2.95	
23 07 19 00-0004	LF	3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.93	3.93
		<i>For Work In Restricted Working Space, Add</i>	2.95	
23 07 19 00-0005	LF	1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.94	3.99
		<i>For Work In Restricted Working Space, Add</i>	2.99	
23 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.13	4.05
		<i>For Work In Restricted Working Space, Add</i>	3.03	
23 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.31	4.10
		<i>For Work In Restricted Working Space, Add</i>	3.08	
23 07 19 00-0008	LF	2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.06	4.22
		<i>For Work In Restricted Working Space, Add</i>	3.16	
23 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.69	4.39
		<i>For Work In Restricted Working Space, Add</i>	3.29	
23 07 19 00-0010	LF	3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.25	4.50
		<i>For Work In Restricted Working Space, Add</i>	3.38	
23 07 19 00-0011	LF	4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.11	4.84
		<i>For Work In Restricted Working Space, Add</i>	3.63	
23 07 19 00-0012	LF	6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	19.11	5.46
		<i>For Work In Restricted Working Space, Add</i>	4.10	

23 07 19 00-0013 1-1/2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)

23 07 19 00-0014	LF	1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.52	4.10
		<i>For Work In Restricted Working Space, Add</i>	3.07	
23 07 19 00-0015	LF	3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.57	4.10
		<i>For Work In Restricted Working Space, Add</i>	3.07	
23 07 19 00-0016	LF	1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.49	4.34
		<i>For Work In Restricted Working Space, Add</i>	3.26	
23 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.97	4.42
		<i>For Work In Restricted Working Space, Add</i>	3.32	
23 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.47	4.50
		<i>For Work In Restricted Working Space, Add</i>	3.38	
23 07 19 00-0019	LF	2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	16.51	4.75
		<i>For Work In Restricted Working Space, Add</i>	3.56	
23 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.15	4.83
		<i>For Work In Restricted Working Space, Add</i>	3.63	
23 07 19 00-0021	LF	3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.78	4.99
		<i>For Work In Restricted Working Space, Add</i>	3.75	
23 07 19 00-0022	LF	4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	19.63	5.40
		<i>For Work In Restricted Working Space, Add</i>	4.05	
23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	22.81	6.31
		<i>For Work In Restricted Working Space, Add</i>	4.73	
23 07 19 00-0024	LF	8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	25.98	6.66
		<i>For Work In Restricted Working Space, Add</i>	4.99	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	32.29	7.97
		<i>For Work In Restricted Working Space, Add</i>	5.98	
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	37.87	9.28
		<i>For Work In Restricted Working Space, Add</i>	6.96	
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	42.00	10.17
		<i>For Work In Restricted Working Space, Add</i>	7.63	
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	50.92	12.94
		<i>For Work In Restricted Working Space, Add</i>	9.71	
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	54.50	13.59
		<i>For Work In Restricted Working Space, Add</i>	10.19	
23 07 19 00-0030		2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	16.43	4.50
		<i>For Work In Restricted Working Space, Add</i>	3.38	
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	16.71	4.50
		<i>For Work In Restricted Working Space, Add</i>	3.38	
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	17.15	4.56
		<i>For Work In Restricted Working Space, Add</i>	3.42	
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	17.70	4.61
		<i>For Work In Restricted Working Space, Add</i>	3.46	
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.11	4.67
		<i>For Work In Restricted Working Space, Add</i>	3.50	
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.87	4.84
		<i>For Work In Restricted Working Space, Add</i>	3.63	
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	20.66	5.01
		<i>For Work In Restricted Working Space, Add</i>	3.76	
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	21.11	5.18
		<i>For Work In Restricted Working Space, Add</i>	3.89	
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	23.10	5.47
		<i>For Work In Restricted Working Space, Add</i>	4.10	
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	28.18	6.56
		<i>For Work In Restricted Working Space, Add</i>	4.92	
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	31.33	6.92
		<i>For Work In Restricted Working Space, Add</i>	5.19	
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	38.32	8.29
		<i>For Work In Restricted Working Space, Add</i>	6.22	
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	44.37	9.93
		<i>For Work In Restricted Working Space, Add</i>	7.44	
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	56.13	13.84
		<i>For Work In Restricted Working Space, Add</i>	10.39	
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	58.33	13.84
		<i>For Work In Restricted Working Space, Add</i>	10.39	
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	62.21	14.54
		<i>For Work In Restricted Working Space, Add</i>	10.91	
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	73.40	16.62
		<i>For Work In Restricted Working Space, Add</i>	12.47	
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	86.24	20.08
		<i>For Work In Restricted Working Space, Add</i>	15.06	
23 07 19 00-0049		2-1/2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	19.50	5.19
		<i>For Work In Restricted Working Space, Add</i>	3.89	
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	19.79	5.19
		<i>For Work In Restricted Working Space, Add</i>	3.89	
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	20.12	5.27
		<i>For Work In Restricted Working Space, Add</i>	3.95	
23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	20.30	5.31
		<i>For Work In Restricted Working Space, Add</i>	3.98	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	20.72	5.35
		<i>For Work In Restricted Working Space, Add</i>	4.01	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	21.59	5.58
		<i>For Work In Restricted Working Space, Add</i>	4.18	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	23.76	5.77
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	24.26	5.97
		<i>For Work In Restricted Working Space, Add</i>	4.48	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.39	6.30
		<i>For Work In Restricted Working Space, Add</i>	4.72	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	33.39	7.15
		<i>For Work In Restricted Working Space, Add</i>	5.36	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	37.92	7.98
		<i>For Work In Restricted Working Space, Add</i>	5.98	
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	44.95	9.19
		<i>For Work In Restricted Working Space, Add</i>	6.90	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	53.06	11.43
		<i>For Work In Restricted Working Space, Add</i>	8.57	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	58.52	12.48
		<i>For Work In Restricted Working Space, Add</i>	9.36	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	71.88	15.95
		<i>For Work In Restricted Working Space, Add</i>	11.96	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	75.80	16.75
		<i>For Work In Restricted Working Space, Add</i>	12.56	
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	87.64	19.14
		<i>For Work In Restricted Working Space, Add</i>	14.36	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	103.64	23.13
		<i>For Work In Restricted Working Space, Add</i>	17.35	

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

23 07 19 00-0068 3" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)					
23 07 19 00-0069	LF		1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	23.75	5.75
			<i>For Work In Restricted Working Space, Add</i>	4.31	
23 07 19 00-0070	LF		3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	23.82	5.75
			<i>For Work In Restricted Working Space, Add</i>	4.31	
23 07 19 00-0071	LF		1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	24.04	5.81
			<i>For Work In Restricted Working Space, Add</i>	4.35	
23 07 19 00-0072	LF		1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	24.27	5.85
			<i>For Work In Restricted Working Space, Add</i>	4.38	
23 07 19 00-0073	LF		1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	24.50	5.91
			<i>For Work In Restricted Working Space, Add</i>	4.43	
23 07 19 00-0074	LF		2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	25.36	6.13
			<i>For Work In Restricted Working Space, Add</i>	4.59	
23 07 19 00-0075	LF		2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	27.66	6.34
			<i>For Work In Restricted Working Space, Add</i>	4.75	
23 07 19 00-0076	LF		3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	28.32	6.56
			<i>For Work In Restricted Working Space, Add</i>	4.92	
23 07 19 00-0077	LF		4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.54	6.93
			<i>For Work In Restricted Working Space, Add</i>	5.20	
23 07 19 00-0078	LF		6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	38.23	7.87
			<i>For Work In Restricted Working Space, Add</i>	5.90	
23 07 19 00-0079	LF		8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	44.03	8.77
			<i>For Work In Restricted Working Space, Add</i>	6.58	
23 07 19 00-0080	LF		10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	51.98	10.12
			<i>For Work In Restricted Working Space, Add</i>	7.59	
23 07 19 00-0081	LF		12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	60.96	12.58
			<i>For Work In Restricted Working Space, Add</i>	9.43	
23 07 19 00-0082	LF		14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	67.43	13.73
			<i>For Work In Restricted Working Space, Add</i>	10.30	
23 07 19 00-0083	LF		16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	80.44	17.54
			<i>For Work In Restricted Working Space, Add</i>	13.16	
23 07 19 00-0084	LF		18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	86.22	18.42
			<i>For Work In Restricted Working Space, Add</i>	13.82	
23 07 19 00-0085	LF		20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	100.44	21.07
			<i>For Work In Restricted Working Space, Add</i>	15.80	
23 07 19 00-0086	LF		24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	119.35	25.45
			<i>For Work In Restricted Working Space, Add</i>	19.08	

23 07 19 00-0087 3-1/2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)					
23 07 19 00-0088	LF		1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	29.20	6.30
			<i>For Work In Restricted Working Space, Add</i>	4.72	
23 07 19 00-0089	LF		3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	30.05	6.30
			<i>For Work In Restricted Working Space, Add</i>	4.72	
23 07 19 00-0090	LF		1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	30.16	6.34
			<i>For Work In Restricted Working Space, Add</i>	4.75	
23 07 19 00-0091	LF		1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	30.26	6.38
			<i>For Work In Restricted Working Space, Add</i>	4.78	
23 07 19 00-0092	LF		1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	31.09	6.46
			<i>For Work In Restricted Working Space, Add</i>	4.84	
23 07 19 00-0093	LF		2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	32.81	6.67
			<i>For Work In Restricted Working Space, Add</i>	5.01	
23 07 19 00-0094	LF		2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	35.28	6.91
			<i>For Work In Restricted Working Space, Add</i>	5.18	
23 07 19 00-0095	LF		3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	36.52	7.15
			<i>For Work In Restricted Working Space, Add</i>	5.36	
23 07 19 00-0096	LF		4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	41.00	7.56
			<i>For Work In Restricted Working Space, Add</i>	5.67	
23 07 19 00-0097	LF		6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	45.90	8.58
			<i>For Work In Restricted Working Space, Add</i>	6.44	
23 07 19 00-0098	LF		8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	54.97	9.56
			<i>For Work In Restricted Working Space, Add</i>	7.17	
23 07 19 00-0099	LF		10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	66.19	11.04
			<i>For Work In Restricted Working Space, Add</i>	8.28	
23 07 19 00-0100	LF		12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	80.51	13.71
			<i>For Work In Restricted Working Space, Add</i>	10.29	
23 07 19 00-0101	LF		14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	85.36	14.98
			<i>For Work In Restricted Working Space, Add</i>	11.23	
23 07 19 00-0102	LF		16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	101.27	19.14
			<i>For Work In Restricted Working Space, Add</i>	14.36	
23 07 19 00-0103	LF		18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	114.37	20.09
			<i>For Work In Restricted Working Space, Add</i>	15.07	
23 07 19 00-0104	LF		20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	124.76	22.99
			<i>For Work In Restricted Working Space, Add</i>	17.24	

23 07 19 00-0105 4" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)					
23 07 19 00-0106	LF		1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	35.57	6.99
			<i>For Work In Restricted Working Space, Add</i>	5.24	
23 07 19 00-0107	LF		3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	35.59	6.99
			<i>For Work In Restricted Working Space, Add</i>	5.24	
23 07 19 00-0108	LF		1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	35.90	7.11
			<i>For Work In Restricted Working Space, Add</i>	5.33	
23 07 19 00-0109	LF		1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	36.77	7.19
			<i>For Work In Restricted Working Space, Add</i>	5.39	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	38.75	7.42
		<i>For Work In Restricted Working Space, Add</i>	5.57	
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	39.62	7.65
		<i>For Work In Restricted Working Space, Add</i>	5.74	
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	42.66	7.77
		<i>For Work In Restricted Working Space, Add</i>	5.83	
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	43.96	8.06
		<i>For Work In Restricted Working Space, Add</i>	6.04	
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	49.24	8.50
		<i>For Work In Restricted Working Space, Add</i>	6.38	
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	56.77	9.64
		<i>For Work In Restricted Working Space, Add</i>	7.24	
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	66.87	10.76
		<i>For Work In Restricted Working Space, Add</i>	8.07	
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	77.03	12.43
		<i>For Work In Restricted Working Space, Add</i>	9.32	
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	89.06	15.43
		<i>For Work In Restricted Working Space, Add</i>	11.57	
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	95.17	16.86
		<i>For Work In Restricted Working Space, Add</i>	12.64	
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	114.35	21.55
		<i>For Work In Restricted Working Space, Add</i>	16.16	
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	121.27	22.58
		<i>For Work In Restricted Working Space, Add</i>	16.94	
23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	135.09	25.85
		<i>For Work In Restricted Working Space, Add</i>	19.39	

23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation (23 07 19 00-0001)

23 07 19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	5.01	
		<i>For Work In Restricted Working Space, Add</i>	1.11	

23 08 Commissioning Of HVAC (23)

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation And Control For HVAC (23)**23 09 13 Instrumentation And Control Devices For HVAC (23 09)****23 09 13 56 Pneumatic Tubing For HVAC (23 09 13)****23 09 13 56-0001 Polyurethane Pneumatic Tubing (23 09 13 56)**

23 09 13 56-0002	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	2.34	1.01
23 09 13 56-0003	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	2.75	1.04
23 09 13 56-0004	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.32	1.07
23 09 13 56-0005	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.98	1.10

23 09 13 56-0006 Fire Resistant Polyethylene Pneumatic Tubing (23 09 13 56)

23 09 13 56-0007	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.19	1.01
23 09 13 56-0008	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.31	1.04
23 09 13 56-0009	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.53	1.07
23 09 13 56-0010	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.95	1.10

23 09 13 56-0011 Nylon Pneumatic Tubing (23 09 13 56)

23 09 13 56-0012	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	2.39	0.98
23 09 13 56-0013	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	2.90	1.01
23 09 13 56-0014	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	3.96	1.07
23 09 13 56-0015	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	4.83	1.10

23 09 13 56-0016 Flexible Vinyl Pneumatic Tubing (23 09 13 56)

23 09 13 56-0017	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	2.39	1.01
23 09 13 56-0018	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.33	1.07
23 09 13 56-0019	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.85	1.10
23 09 13 56-0020	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.50	1.14
23 09 13 56-0021	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.97	1.17
23 09 13 56-0022	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing	6.44	1.20

23 09 13 56-0023 Braided Vinyl Pneumatic Tubing (23 09 13 56)

23 09 13 56-0024	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	3.02	1.14
23 09 13 56-0025	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	3.36	1.17
23 09 13 56-0026	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing	3.96	1.20

23 09 13 56-0027 Copper Pneumatic Tubing (23 09 13 56)

23 09 13 56-0028	LF	1/4" Outside Diameter Copper Pneumatic Tubing	4.92	2.20
23 09 13 56-0029	LF	3/8" Outside Diameter Copper Pneumatic Tubing	5.82	2.52
23 09 13 56-0030	LF	1/2" Outside Diameter Copper Pneumatic Tubing	6.71	2.90
23 09 13 56-0031	LF	5/8" Outside Diameter Copper Pneumatic Tubing	8.00	3.34
23 09 13 56-0032	LF	3/4" Outside Diameter Copper Pneumatic Tubing	9.63	4.08

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

23 09 13 56-0033	Brass Couplings <small>(23 09 13 56)</small>		
23 09 13 56-0034	Straight Brass Couplings <small>(23 09 13 56-0033)</small>		
	Note: Barb x Barb		
23 09 13 56-0035	EA 1/4" x 1/4" Straight Brass Coupling	11.46	5.53
23 09 13 56-0036	EA 3/8" x 1/4" Straight Brass Coupling	11.52	5.53
23 09 13 56-0037	EA 3/8" x 3/8" Straight Brass Coupling	11.58	5.53

23 09 13 56-0038	Elbow Brass Couplings <small>(23 09 13 56-0033)</small>		
	Note: Barb x Barb		
23 09 13 56-0039	EA 1/4" x 1/4" Elbow Brass Coupling	11.80	5.53
23 09 13 56-0040	EA 3/8" x 3/8" Elbow Brass Coupling	12.01	5.53

23 09 13 56-0041	Tee Brass Couplings <small>(23 09 13 56-0033)</small>		
	Note: Barb x Barb		
23 09 13 56-0042	EA 1/4" x 1/4" x 1/4" Tee Brass Coupling	18.20	8.62
23 09 13 56-0043	EA 3/8" x 3/8" x 1/4" Tee Brass Coupling	20.16	9.23
23 09 13 56-0044	EA 3/8" x 3/8" x 3/8" Tee Brass Coupling	19.94	9.23

23 09 23 Direct-Digital Control System For HVAC (23 09)

23 09 23 00-0001	EMCS General Costs <small>(23 09 23)</small>		
23 09 23 00-0002	EMCS System Design Engineering <small>(23 09 23 00-0001)</small>		
	Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.		
23 09 23 00-0003	HR EMCS Site Inspection Of Existing Facilities	315.79	
23 09 23 00-0004	HR EMCS Engineering Project Management	315.79	
23 09 23 00-0005	HR EMCS System Engineering, Schematic Design And Layout	334.94	
23 09 23 00-0006	HR EMCS System Software Programming And Graphics Programming	334.94	
23 09 23 00-0007	HR EMCS Graphics Picture Creation	215.37	
23 09 23 00-0008	HR EMCS System Controls Training	315.79	
23 09 23 00-0009	HR EMCS On Site System Diagnostics Field Technician	315.79	
23 09 23 00-0010	HR EMCS Remote Technical Support Using Phone Or Internet	263.23	
23 09 23 00-0011	HR EMCS Travel Time (All Personnel)	272.79	

23 09 23 00-0012	Post Warranty Field Tests, Checkout And Commissioning <small>(23 09 23 00-0001)</small>		
	Note: Tasks used for building commissioning of other contractors' work or post warranty service work. A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 00-0013	PNT EMCS Field Test	167.53	
	Note: Priced per point. Task used after warranty period only.		
23 09 23 00-0014	PNT EMCS Field Checkout And Startup	167.53	
	Note: Priced per point. Task used after warranty period only.		
23 09 23 00-0015	PNT EMCS Field Commissioning	167.53	
	Note: Priced per point. Used when the owner requires an independent commissioning firm.		
23 09 23 00-0016	EA EMCS Field Balance Support	143.54	
	Note: Priced per controller. Task used after warranty period only.		

23 09 23 00-0017	EMCS System Engineering/Submittal Design And Layout <small>(23 09 23 00-0001)</small>		
	Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 00-0018	PNT EMCS System Engineering/Submittal Design And Layout	55.88	
	Note: Priced per point.		

23 09 23 00-0019	Install EMCS Field Devices And Controllers (Labor Only) <small>(23 09 23 00-0001)</small>		
	Note: This section is used when equipment or devices are supplied by others, usually in a maintenance or trouble shooting situation. Excludes cable or conduit between panel and device.		
23 09 23 00-0020	EA Mount An AHU Control Enclosure On Block, Masonry Or Gypsum Wall	289.51	47.85
23 09 23 00-0021	EA Install AHU Power Supply In A Control Enclosure	210.53	95.69
23 09 23 00-0022	EA Install Metal Box And Conduit Stub-Up For Sensor In Masonry Wall	289.51	47.85
23 09 23 00-0023	EA Install And Wire Room Sensor	78.98	47.85
23 09 23 00-0024	EA Install And Wire Duct Sensor	105.27	47.85
23 09 23 00-0025	EA Install And Wire AHU Averaging Sensor	342.07	239.23
23 09 23 00-0026	EA Install And Wire AHU Humidity Sensor	184.25	71.83
23 09 23 00-0027	EA Install And Wire AHU CO2 Sensor	263.23	71.83
23 09 23 00-0028	EA Install And Wire Fan Or Filter DP Switch	263.23	71.83
23 09 23 00-0029	EA Install And Wire Float Switch	210.53	47.85
23 09 23 00-0030	EA Install And Wire Freezestat	342.07	239.23
23 09 23 00-0031	EA Install And Wire Duct Static Pressure Sensor	184.25	95.69
23 09 23 00-0032	EA Install And Wire Duct High Static Sensor	105.27	47.85
23 09 23 00-0033	EA Install And Wire Emergency Stop Switch For AHU Or Other Equipment	105.27	47.85
23 09 23 00-0034	EA Install And Wire Emergency Stop Switch For AHU	315.79	95.69
23 09 23 00-0035	EA Install And Wire AHU Connection To Starter	315.79	239.23
23 09 23 00-0036	EA Install And Wire Connection To VFD	579.01	239.23
23 09 23 00-0037	EA Install And Wire AHU Valve Actuator	157.96	47.85
23 09 23 00-0038	EA Install And Wire AHU Damper Actuator	315.79	95.69
23 09 23 00-0039	EA Install And Wire AHU Smoke Detector Or Fire Alarm Relay	184.25	71.83

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 09 23 00-0040	EA	Install And Wire AHU Electropneumatic Transducer.....	131.55	47.85
23 09 23 00-0041	EA	Install And Wire Electric Heat Or Sequencer.....	315.79	95.69
23 09 23 00-0042	EA	Install And Wire Connection To Outdoor Compressor.....	736.85	71.83
23 09 23 00-0043	EA	Install And Wire AHU Magnahelic.....	263.23	47.85
23 09 23 00-0044	EA	Install And Wire AHU Wireway For Control Enclosure.....	315.79	95.69
23 09 23 00-0045	EA	Wire And Assemble AHU Control Enclosure..... Note: Includes installing all panel devices for a medium size panel.	579.01	
23 09 23 00-0046	EA	Field Install And Wire VAV Controller..... Note: Use when VAV box is previously installed.	210.53	95.69
23 09 23 00-0047	EA	Shop Install And Wire VAV Controller.....	184.25	
23 09 23 00-0048	EA	Install And Wire VAV Power Supply.....	78.98	47.85
23 09 23 00-0049	EA	Wire VAV Fan In Parallel Or Series Fan Box.....	105.27	47.85
23 09 23 00-0050	EA	Install And Wire Fan Coil Unit Controller.....	526.32	143.54
23 09 23 00-0051	EA	Mount Fan Coil Unit, Heat Pump, Or Unit Ventilator Controller.....	157.96	
23 09 23 00-0052	EA	Install And Wire Central Plant Controller..... Note: For programmable DDC controller.	736.85	430.63
23 09 23 00-0053	EA	Mount Central Plant Enclosure For DDC Control Enclosure..... Note: For programmable DDC controller.	289.51	47.85
23 09 23 00-0054	EA	Install Central Plant Power Supply For DDC Programmable Controller.....	210.53	95.69
23 09 23 00-0055	EA	Install Central Plant Wireway For Programmable Controller.....	315.79	95.69
23 09 23 00-0056	EA	Install And Wire Chiller Controls For Enable And Setpoint Controls.....	631.59	143.54
23 09 23 00-0057	EA	Install And Wire Chiller Flow Switch.....	631.59	287.09
23 09 23 00-0058	EA	Install And Wire Chiller DP Transmitter..... Note: Includes installing copper tubing connection to water piping.	2,368.52	143.54
23 09 23 00-0059	EA	Install And Wire Boiler Controls For Enable And Alarm.....	473.76	143.54
23 09 23 00-0060	EA	Install And Wire Boiler Safeties..... Note: For high water, low water and flame safeguard.	473.76	143.54
23 09 23 00-0061	EA	Install Boiler Control Panel Enclosure On Block, Masonry Or Gypsum Wall.....	1,052.64	598.15
23 09 23 00-0062	EA	Wire And Terminate Combustion Air Damper.....	1,315.87	95.69
23 09 23 00-0063	EA	Wire Oil Tank Interlock For Oil Boiler.....	657.87	95.69
23 09 23 00-0064	EA	Install And Wire Boiler Emergency Stop Switch.....	1,315.87	287.09
23 09 23 00-0065	EA	Wire And Terminate Temperature Well Sensor..... Note: Excludes well.	131.55	71.83
23 09 23 00-0066	EA	Install And Wire Strap On Sensor.....	315.79	71.83
23 09 23 00-0067	EA	Install And Wire CO2 Sensor For Room Or Space..... Note: Excludes stub-up.	263.23	71.83
23 09 23 00-0068	EA	Install And Wire Valve Actuator.....	263.23	191.39
23 09 23 00-0069	EA	Install And Wire Outside Air Temperature Sensor.....	473.76	143.54
23 09 23 00-0070	EA	Install And Wire Outside Air Humidity Sensor.....	236.81	143.54
23 09 23 00-0071	EA	Install And Wire Flow Sensor.....	579.01	287.09
23 09 23 00-0072	EA	Install And Wire Pressure Sensor For Pump Or Building.....	579.01	287.09
23 09 23 00-0073	EA	Install And Wire Pump Starter.....	315.79	71.83
23 09 23 00-0074	EA	Install And Wire Pump VFD.....	579.01	143.54
23 09 23 00-0075	EA	Install And Wire Pump DP Switch..... Note: Includes installing copper tubing connection to water piping.	789.55	287.09
23 09 23 00-0076	EA	Install And Wire System DP Transmitter..... Note: Includes installing copper tubing connection to water piping and wiring remote transmitter.	2,631.73	287.09
23 09 23 00-0077	EA	Mount Starter Sized Up To 100 HP.....	210.53	143.54
23 09 23 00-0078	EA	Mount VFD Sized Up To 100 HP.....	526.32	478.47
23 09 23 00-0079	EA	Install And Wire Cooling Tower Control Enclosure.....	947.38	287.09
23 09 23 00-0080	EA	Install And Wire Vibration Switch For Cooling Tower.....	579.01	287.09
23 09 23 00-0081	EA	Install And Wire Cooling Tower Basin Heater.....	315.79	287.09
23 09 23 00-0082	EA	Install And Wire Basin Water Temperature Switch.....	315.79	143.54
23 09 23 00-0083	EA	Install And Wire Cooling Tower Make-Up Water Valve.....	315.79	287.09
23 09 23 00-0084	EA	Install And Wire Cooling Tower Make-Up Water Valve.....	315.79	287.09
23 09 23 00-0085	EA	Install And Wire Refrigerant Monitor Panel.....	1,579.09	598.15
23 09 23 00-0086	EA	Install And Wire Break Glass Switch.....	315.79	143.54
23 09 23 00-0087	EA	Install And Wire Horn/Strobe For Refrigerant Monitor.....	236.81	95.69
23 09 23 00-0088	EA	Install And Wire Damper Actuator.....	315.79	95.69
23 09 23 00-0089	EA	Install And Wire Chemical Feed System.....	2,631.73	598.15
23 09 23 00-0090	EA	Wire And Assemble Control Enclosure..... Note: Includes installing all panel devices in large size panel.	631.59	
23 09 23 00-0091	EA	Install And Wire Exhaust Fan DDC Control..... Note: Start or stop and status.	657.87	119.68
23 09 23 00-0092	EA	Install And Wire Exhaust Fan Thermostat Control.....	210.53	71.83
23 09 23 00-0093	EA	Wire Lighting Contactor (Contactor Installed By Others).....	657.87	95.69
23 09 23 00-0094	EA	Wire And Terminate Unit Heater.....	210.53	71.83
23 09 23 00-0095	EA	Wire Domestic Water Heater For Enable Or Disable.....	657.87	95.69
23 09 23 00-0096	EA	Wire And Install Current Transformer KWH Meter (With Power Off).....	2,105.41	574.17
23 09 23 00-0097	EA	Wire Water Meter (Meter Installed By Others).....	2,105.41	143.54
23 09 23 00-0098	EA	Wire Gas Meter (Meter Installed By Others).....	2,105.41	143.54
23 09 23 00-0099	EA	Install Wireless Receiver And Wire To DDC Controls.....	263.23	95.69
23 09 23 00-0100	EA	Install Wireless Sensor.....	52.69	23.99
23 09 23 00-0101	EA	Wire Split System AC Thermostat.....	1,052.64	71.83
23 09 23 00-0102	EA	Wire Sump Pump Monitor Status Switch.....	789.55	143.54
23 09 23 00-0103	EA	Install Locking Cover/Wire Guard For Thermostat Or Wall Temperature Sensor.....	38.28	19.14
23 09 23 00-0104	EA	Install And Wire Combination Outside Air Temperature/Outside Air Humidity Sensor.....	710.57	287.09

23 09 23 00-0105 Honeywell Controls (23 09 23)

23 09 23 00-0106 EMCS Central Equipment And Controllers (23 09 23 00-0105)

23 09 23 00-0107 EMCS Network Area Controllers (BACnet Or Lon) (23 09 23 00-0106)

Note: Includes loading software, software license, loading data base and mounting on wall.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0108	EA		Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	8,806.66	622.01
23 09 23 00-0109	EA		Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	6,588.24	622.01
23 09 23 00-0110	EA		Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	5,463.62	622.01
23 09 23 00-0111	EA		Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	6,358.55	622.01
23 09 23 00-0112	EA		Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	5,432.81	622.01
23 09 23 00-0113	EA		Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	5,432.81	622.01
23 09 23 00-0114	EA		16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,742.32	622.01
23 09 23 00-0115	EA		16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,067.24	622.01
23 09 23 00-0116	EA		16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,742.32	622.01
23 09 23 00-0117	EA		16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,067.24	622.01
23 09 23 00-0118	EA		34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,070.04	622.01
23 09 23 00-0119	EA		34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	6,394.96	622.01
23 09 23 00-0120	EA		34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,070.04	622.01
23 09 23 00-0121	EA		34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	6,394.96	622.01
23 09 23 00-0122	EA		Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	6,343.14	622.01
23 09 23 00-0123	EA		Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only)..... Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBS controllers, capacity is limited by the characteristics of the application including size and complexity.	7,428.55	622.01
23 09 23 00-0124	EA		Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ)..... Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	7,763.27	622.01
23 09 23 00-0125	EA		Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ)..... Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBS controllers, capacity is limited by the characteristics of the application including size and complexity.	8,848.68	622.01
23 09 23 00-0126	EA		Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBS controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	7,778.68	622.01
23 09 23 00-0127	EA		Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	9,847.25	622.01
23 09 23 00-0128			EMCS Network Interfaces (23 09 23 00-0106) Note: Includes installation, start-up and tech labor.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 09 23 00-0129	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001)	1,147.89	172.26
		Note: For desktop computer.		
23 09 23 00-0130	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009)	997.33	114.83
		Note: For laptop computer.		
23 09 23 00-0131	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	1,298.42	215.37
23 09 23 00-0132	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	1,880.34	311.08
23 09 23 00-0133	EA	Two Way Lon Repeater (Honeywell Q7740A1008)	1,069.44	311.08
23 09 23 00-0134	EA	FTT Termination Module For Network Bus (Honeywell 209541B)	94.94	38.28

23 09 23 00-0135 DDC Application Specific Controller Assemblies (23 09 23 00-0106)

Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.

23 09 23 00-0136	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,133.59	889.96
23 09 23 00-0137	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,655.12	526.96
23 09 23 00-0138	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,334.55	889.96
23 09 23 00-0139	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,856.08	579.27
23 09 23 00-0140	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,543.23	990.50
23 09 23 00-0141	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,184.31	742.59
23 09 23 00-0142	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,246.52	990.50
23 09 23 00-0143	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,744.20	757.91
23 09 23 00-0144	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,948.97	990.50
23 09 23 00-0145	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,470.50	585.65
23 09 23 00-0146	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,212.20	990.50
23 09 23 00-0147	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,733.60	659.66
23 09 23 00-0148	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	2,434.10	990.50
23 09 23 00-0149	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	1,946.06	584.38
23 09 23 00-0150	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	2,697.32	990.50
23 09 23 00-0151	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	2,209.15	658.38
23 09 23 00-0152	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	2,941.13	990.50
23 09 23 00-0153	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	2,505.78	632.86
23 09 23 00-0154	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	3,467.58	990.50
23 09 23 00-0155	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies	3,032.10	741.31

23 09 23 00-0156 DDC Programmable Controller Assemblies (23 09 23 00-0106)

Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 00-0163 for additional components.

23 09 23 00-0157	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	2,255.96	760.83
23 09 23 00-0158	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	2,521.51	760.83
23 09 23 00-0159	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	3,234.92	894.81
23 09 23 00-0160	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	3,500.47	894.81
23 09 23 00-0161	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	5,510.43	1,047.92
23 09 23 00-0162	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	5,817.40	1,047.92

23 09 23 00-0163 EMCS Optional DDC Controller Hardware (23 09 23 00-0106)

Note: Used to expand the capacity of DDC programmable controller assemblies.

23 09 23 00-0164	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005)	319.32	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 00-0165	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011)	369.04	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 00-0166	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001)	386.54	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 00-0167	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010)	364.84	
23 09 23 00-0168	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	370.44	
23 09 23 00-0169	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	362.03	
23 09 23 00-0170	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	311.62	
23 09 23 00-0171	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	271.00	
23 09 23 00-0172	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	397.05	
23 09 23 00-0173	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	355.03	
23 09 23 00-0174	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	392.15	
23 09 23 00-0175	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011)	832.61	
23 09 23 00-0176	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	1,035.68	
23 09 23 00-0177	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	517.49	
23 09 23 00-0178	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	509.79	
23 09 23 00-0179	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027)	249.99	
23 09 23 00-0180	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016)	284.31	
23 09 23 00-0181	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	525.20	
23 09 23 00-0182	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	561.61	
23 09 23 00-0183	EA	AI Module (Honeywell XFL521B)	351.53	
23 09 23 00-0184	EA	AO Module (Honeywell XFL522B)	351.53	
23 09 23 00-0185	EA	DI Module (Honeywell XFL523B)	351.53	
23 09 23 00-0186	EA	DO Module (Honeywell XFL524B)	351.53	
23 09 23 00-0187	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	62.32	
23 09 23 00-0188	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	117.64	
23 09 23 00-0189	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	115.54	
23 09 23 00-0190	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI)	353.63	
23 09 23 00-0191	EA	Lon Hub (Honeywell XIO-HUB)	52.52	
23 09 23 00-0192	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO)	353.63	
23 09 23 00-0193	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	325.62	
23 09 23 00-0194	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO)	325.62	
23 09 23 00-0195	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	343.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

23 09 23 00-0196	EA		Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	343.13	
23 09 23 00-0197	EA		Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	493.68	
23 09 23 00-0198	EA		16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	582.62	
			Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.		
23 09 23 00-0199	EA		34 Point IO Module For Network Area Controllers (Honeywell W7750A2005)	1,238.06	
			Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.		

23 09 23 00-0200 EMCS Software (23 09 23 00-0105)
23 09 23 00-0201 Software Packages And License (23 09 23 00-0200)

Note: Includes installation on equipment.					
23 09 23 00-0202	EA		On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB).....	394.95	
			Note: Requires UI services to be installed on NAC.		
23 09 23 00-0203	EA		Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX).....	1,641.57	
			Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 00-0204	EA		WEBStation-AX Software For Windows (Honeywell WEB-S-AX)	4,411.64	
			Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).		
23 09 23 00-0205	EA		Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS).....	2,625.98	
			Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.		
23 09 23 00-0206	EA		Upgrade Small Building To Large Building Software	3,112.12	
			Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.		
23 09 23 00-0207	EA		Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W)	2,262.46	
			Note: One copy is included with WEB-S-AX and WEBStation-AX.		
23 09 23 00-0208	EA		WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX)	3,904.57	
			Note: Includes license for 10 points of E ² Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E ² Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.		
23 09 23 00-0209	EA		Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E ² Profiler Points (Honeywell WES-CP-AX)	651.86	
			Note: Can be combined with the required single instance of WES-BASE as well as with any combination of other EP points and CP meters.		
23 09 23 00-0210	EA		Perpetual License For One Point Of E ² Profiler (Honeywell WES-E2-AX).....	487.30	
			Note: Can be combined with the required single instance of WES-BASE as well as with any number of other EP Points and Cost Profiler meters.		
23 09 23 00-0211	EA		Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters	20,433.51	
			Note: Sold on a per server basis. Purchase of this product must be accompanied by WES-M1-ENT-AX maintenance. The first year price of maintenance is included with WES-ENT-AX.		
23 09 23 00-0212	EA		Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX).....	18,685.23	
			Note: The first year cost of WES-M1-ENT-AX is included with WES-ENT-AX. After the first year WES-M1-ENT-AX maintenance fee will be invoiced annually.		
23 09 23 00-0213	EA		Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	7,034.81	
23 09 23 00-0214	EA		Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS).....	5,249.15	
23 09 23 00-0215	EA		Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500)	1,517.46	
23 09 23 00-0216	EA		Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	1,517.46	
23 09 23 00-0217	EA		Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL).....	10,503.90	
			Note: Excludes Oracle.		
23 09 23 00-0218	EA		Open System Driver Option (Honeywell WS-SNMP-500).....	1,400.52	
			Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchased with the WS or added later. Web Supervisor required to purchase this option.		
23 09 23 00-0219	EA		Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	1,517.46	
23 09 23 00-0220	EA		WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003).....	3,968.37	
			Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.		
23 09 23 00-0221	EA		WEBStation Additional Node (Honeywell ZW2000B1002)	1,517.46	
23 09 23 00-0222	EA		WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001).....	25,443.25	
23 09 23 00-0223	EA		WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000).....	46,684.23	
23 09 23 00-0224	EA		WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009).....	81,697.23	
23 09 23 00-0225	EA		Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008).....	4,201.56	
23 09 23 00-0226	EA		Additional Master WEBStation Software Licenses (Honeywell ZW2000G1007).....	2,100.78	
23 09 23 00-0227	EA		Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001).....	1,831.10	
23 09 23 00-0228	EA		Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055).....	1,956.69	
			Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.		

23 09 23 00-0229 Initial Database Generation (23 09 23 00-0200)

23 09 23 00-0230	PNT		Database Generation For Central Plant.....	85.62	
23 09 23 00-0231	PNT		Database Generation For Programmable Controller	85.62	
			Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 00-0232	EA		Database Generation For Application Specific Controller.....	85.62	
			Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 00-0233	EA		Replication Of Database Generation For Application Specific Controller	59.59	
			Note: Price per copy made.		
23 09 23 00-0234	EA		Database Generation For Remote IO Modules, Sensors, Etcetera	59.59	

23 09 23 00-0235 Application Software Programs (23 09 23 00-0200)

23 09 23 00-0236	EA		Basic Application Program Package.....	3,572.59	
			Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.		
23 09 23 00-0237	EA		Optimum Start/Stop Program.....	119.43	
			Note: Priced per controller requiring optimum start programming.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0238	EA		Duty Cycling Program.....	56.39	
23 09 23 00-0239	EA		Hot Deck/Cold Deck Reset Application Program.....	6,137.59	
23 09 23 00-0240	EA		Boiler Optimization Program.....	8,042.93	
23 09 23 00-0241	EA		Chiller Optimization Program.....	10,894.96	
23 09 23 00-0242	EA		Lighting Control Program.....	5,257.49	
23 09 23 00-0243	EA		Demand Limiting Program.....	104.75	
			Note: Priced per controller requiring optimum start programming.		
23 09 23 00-0244	EA		Email Alarm Server Configuration.....	4,055.93	
23 09 23 00-0245			Color Graphics Generation (23 09 23 00-0200)		
			Note: Priced per page.		
23 09 23 00-0246	EA		Single Site Home Page Graphics Page With HTML Navigation Code.....	2,140.76	
23 09 23 00-0247	EA		Multi Site Home Page Graphics Page With HTML Navigation Code.....	3,800.85	
23 09 23 00-0248	EA		Color Graphics Page For Central Plant.....	972.64	
23 09 23 00-0249	EA		Color Graphics Page For Building Floor Plan.....	898.13	
23 09 23 00-0250	EA		Replication Of Color Graphics Page For Central Plant.....	487.91	
23 09 23 00-0251	EA		Color Graphics Page For Programmable Controller.....	1,094.24	
			Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 00-0252	EA		Replication Of Color Graphics Page For Programmable Controller.....	234.00	
			Note: Priced per copy made.		
23 09 23 00-0253	EA		Color Graphics Page For Application Specific Controller.....	1,012.07	
			Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 00-0254	EA		Replication Of Color Graphics Page For Application Specific Cont.....	101.19	
			Note: Priced per copy made.		
23 09 23 00-0255			Sensors, Actuators And Control Devices (23 09 23 00-0105)		
			Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 00-0256			Special Sensors (23 09 23 00-0255)		
23 09 23 00-0257	EA		Dewpoint Sensor (Honeywell C7232B1014).....	1,372.24	78.98
23 09 23 00-0258	EA		Enthalpy Sensor -25 To 125 F.....	1,426.35	78.98
23 09 23 00-0259	EA		Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002).....	807.26	157.96
23 09 23 00-0260	EA		Freezestat (Honeywell L482A1004).....	593.36	263.23
23 09 23 00-0261	EA		Wall Mounted Occupancy Sensor.....	383.24	78.98
23 09 23 00-0262	EA		Ceiling Mounted Occupancy Sensor.....	323.59	78.98
23 09 23 00-0263	EA		I/P Positioner With Gauge.....	378.15	78.98
23 09 23 00-0264	EA		Non Communicating Duct Mounted Smoke Detector With Sampling Tube.....	454.91	78.98
23 09 23 00-0265	EA		EP Transducer.....	378.15	52.69
23 09 23 00-0266	EA		Electric Heat Sequencer.....	618.68	105.27
23 09 23 00-0267			Meters (23 09 23 00-0255)		
23 09 23 00-0268	EA		KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps.....	3,839.19	631.59
23 09 23 00-0269	EA		KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps With LON interface.....	5,681.98	736.85
23 09 23 00-0270	EA		Current Transformer For KW Meter 1 - 300 Amps.....	1,445.89	263.23
23 09 23 00-0271	EA		Current Transformer For KW Meter 300 - 800 Amps.....	1,585.31	263.23
23 09 23 00-0272	EA		Current Transformer For KW Meter 800 - 2,400 Amp.....	1,852.68	263.23
23 09 23 00-0273			Direct Coupled Actuators (23 09 23 00-0255)		
23 09 23 00-0274	EA		44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002).....	499.35	95.42
23 09 23 00-0275	EA		88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....	538.63	95.42
23 09 23 00-0276	EA		175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....	606.16	95.42
23 09 23 00-0277	EA		44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	476.37	95.42
23 09 23 00-0278	EA		88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....	518.61	95.42
23 09 23 00-0279	EA		175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....	560.44	95.42
23 09 23 00-0280	EA		44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator.....	520.92	95.42
23 09 23 00-0281	EA		88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206).....	581.15	95.42
23 09 23 00-0282	EA		175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205).....	646.16	95.42
23 09 23 00-0283	EA		44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....	445.03	95.42
23 09 23 00-0284	EA		88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....	477.10	95.42
23 09 23 00-0285	EA		175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	541.53	95.42
23 09 23 00-0286	EA		175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007).....	571.86	95.42
23 09 23 00-0287	EA		300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	571.48	95.42
23 09 23 00-0288	EA		300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008).....	654.65	95.42
23 09 23 00-0289	EA		Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018).....	458.18	95.42
23 09 23 00-0290	EA		Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....	762.38	95.42
23 09 23 00-0291	EA		Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator.....	357.91	95.42
23 09 23 00-0292	EA		Direct Coupled Damper Actuator Enclosure For Outdoor Use.....	524.23	95.42
23 09 23 00-0293			Thermostats (23 09 23 00-0105)		

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

23 09 23 00-0294	Electric And Electronic Thermostats <small>(23 09 23 00-0293)</small>	Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 00-0295	EA Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)		183.94	19.14
23 09 23 00-0296	EA Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)		193.89	19.14
23 09 23 00-0297	EA Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)		182.83	19.14
23 09 23 00-0298	EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)		197.98	19.14
23 09 23 00-0299	EA Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)		209.37	19.14
23 09 23 00-0300	EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)		282.36	19.14
23 09 23 00-0301	EA Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)		386.32	19.14
23 09 23 00-0302	EA Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)		591.86	19.14
23 09 23 00-0303	EA Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)		627.58	19.14
23 09 23 00-0304	Pneumatic Thermostats <small>(23 09 23 00-0293)</small>	Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 00-0305	EA Pneumatic Thermostat (Honeywell TP970B2182)		222.59	19.14
23 09 23 00-0306	Thermostats Guards <small>(23 09 23 00-0293)</small>			
23 09 23 00-0307	EA 9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)		59.79	19.14
23 09 23 00-0308	EA 7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)		68.08	19.14
23 09 23 00-0309	EA 5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)		65.10	19.14
23 09 23 00-0310	Delta Controls <small>(23 09 23)</small>			
23 09 23 00-0311	Software <small>(23 09 23 00-0310)</small>	Note: Excludes programming, set-up and commissioning of application.		
23 09 23 00-0312	EA Orca Software Unlimited Points License (Delta Controls DOW333-USB)		1,561.72	
23 09 23 00-0313	EA Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)		2,327.76	
23 09 23 00-0314	EA Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)		5,043.48	
23 09 23 00-0315	EA Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)		8,157.04	
23 09 23 00-0316	EA Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)		4,277.44	
23 09 23 00-0317	EA Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)		1,561.72	
23 09 23 00-0318	EA 100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)		3,501.52	
23 09 23 00-0319	EA 1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)		4,277.44	
23 09 23 00-0320	EA KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amp CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)		1,682.01	127.59
23 09 23 00-0321	EA Delta Controls Touch Screen (Delta Controls DHMI-7-I)		1,602.88	
23 09 23 00-0322	EMCS Central Equipment And Controllers <small>(23 09 23 00-0310)</small>			
23 09 23 00-0323	EA Fully Programmable, Native BACnet Building Controller, 32 Universal Inputs/32 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 bps, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E + DFM1616)		6,862.70	510.37
23 09 23 00-0324	EA Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 Bps (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)		5,621.23	510.37
23 09 23 00-0325	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)		4,587.32	510.37
23 09 23 00-0326	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)		4,587.32	510.37
23 09 23 00-0327	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)		4,587.32	510.37
23 09 23 00-0328	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)		4,398.25	510.37
23 09 23 00-0329	EA VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)		1,364.08	255.19
23 09 23 00-0330	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)		1,280.67	255.19
23 09 23 00-0331	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)		1,336.02	255.19

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0332	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,280.67	255.19
23 09 23 00-0333	EA		Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	2,517.40	318.99
23 09 23 00-0334	EA		Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	713.76	127.59
23 09 23 00-0335	EA		Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	748.93	127.59
23 09 23 00-0336	EA		Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	840.14	127.59
23 09 23 00-0337			Network, VAV And Special Sensors <small>(23 09 23 00-0310)</small>		
23 09 23 00-0338	EA		BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	206.77	40.83
23 09 23 00-0339	EA		BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	270.01	45.94
23 09 23 00-0340	EA		Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	476.07	19.14
23 09 23 00-0341			Trane Controls <small>(23 09 23)</small>		
23 09 23 00-0342			Software <small>(23 09 23 00-0341)</small>		
			Note: Excludes programming, set-up and commissioning of application.		
23 09 23 00-0343	EA		Summit + Building Management Package (Trane 40201152)	4,350.87	
23 09 23 00-0344	EA		Summit Current Version Software (Trane 40201111)	2,535.73	
23 09 23 00-0345	EA		Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	568.36	
23 09 23 00-0346	EA		Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	2,522.54	
23 09 23 00-0347	EA		Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	6,645.75	
23 09 23 00-0348			EMCS Central Equipment And Controllers <small>(23 09 23 00-0341)</small>		
23 09 23 00-0349	EA		Summit BTMX Operator Display Upgrade (Trane 40201224)	5,480.70	510.37
23 09 23 00-0350	EA		Summit BTMX Retrofit Kit For BMTS And BMWV BCU (Trane 49500531)	10,093.42	510.37
23 09 23 00-0351	EA		Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	10,093.42	510.37
23 09 23 00-0352	EA		Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	9,091.84	510.37
23 09 23 00-0353	EA		Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	10,256.37	510.37
23 09 23 00-0354	EA		Summit CCP Upgrade ROM Kit (Trane 40201095)	185.57	31.90
23 09 23 00-0355	EA		Summit Comm5 Repeater (Trane 49500457)	1,448.16	255.19
23 09 23 00-0356	EA		AHU Controller MP580/581 E Board Only (Trane 40201157)	2,252.35	318.99
23 09 23 00-0357	EA		AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	2,841.83	382.78
23 09 23 00-0358	EA		AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	2,379.01	382.78
23 09 23 00-0359	EA		AHU Controller MP581 Operator Door Display (Trane 40201156)	2,117.89	382.78
23 09 23 00-0360	EA		AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	2,115.89	382.78
23 09 23 00-0361	EA		Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	872.94	127.59
23 09 23 00-0362	EA		Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	815.41	127.59
23 09 23 00-0363	EA		Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	1,515.80	255.19
23 09 23 00-0364	EA		Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	1,468.09	255.19
23 09 23 00-0365	EA		2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	794.33	127.59
23 09 23 00-0366	EA		2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	725.06	127.59
23 09 23 00-0367	EA		4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	964.79	127.59
23 09 23 00-0368	EA		4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	895.90	127.59
23 09 23 00-0369	EA		Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500499)	800.50	127.59
23 09 23 00-0370	EA		Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	773.79	127.59
23 09 23 00-0371	EA		Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	855.28	127.59
23 09 23 00-0372	EA		Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	800.50	127.59
23 09 23 00-0373	EA		DDC VAV Retrofit Kit (Trane VRTODD01)	1,255.12	255.19
23 09 23 00-0374	EA		DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	1,323.25	255.19
23 09 23 00-0375			Network, VAV And Special Sensors <small>(23 09 23 00-0341)</small>		
23 09 23 00-0376	EA		Digital Display Zone Sensor (Trane X13790464010)	180.61	40.83
23 09 23 00-0377	EA		Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	135.97	40.83
23 09 23 00-0378	EA		Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	128.44	40.83
23 09 23 00-0379	EA		Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	217.57	45.94
23 09 23 00-0380	EA		Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	146.24	40.83
23 09 23 00-0381	EA		Zone Sensor LCD O/C Setpoint (Trane 41901120)	146.24	40.83
23 09 23 00-0382	EA		Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	431.70	73.50
23 09 23 00-0383	EA		Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	365.11	40.83
23 09 23 00-0384	EA		Transformer 120/24 40 VA (Trane X13550284010)	124.67	40.83
23 09 23 00-0385	EA		Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	121.98	40.83
23 09 23 00-0386	EA		Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	117.68	40.83
23 09 23 00-0387	EA		Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	1,349.20	508.27
23 09 23 00-0388	EA		Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	1,312.44	508.27
23 09 23 00-0389	EA		Controller UC400 XM32 Module (4 Relay) (Trane X13651563010)	1,235.85	508.27
23 09 23 00-0390	EA		Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	2,072.32	762.37
23 09 23 00-0391	EA		Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	1,235.85	508.27
23 09 23 00-0392	EA		Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	1,274.65	508.27
23 09 23 00-0393	EA		Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	1,277.80	508.27
23 09 23 00-0394	EA		Controller Optional Metal Enclosure, UC210 (Trane 501898)	526.72	254.10
23 09 23 00-0395	EA		Controller UC400 PM014 24 Volt AC To 1.4 Amp 24 Volt DC (Trane X1365153801)	656.28	254.10
23 09 23 00-0396	EA		Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	2,235.31	762.37
23 09 23 00-0397	EA		Controller UC600 Tracer TD7 Display (Trane X13651571010)	2,176.14	762.37
23 09 23 00-0398	EA		Controller UC600 TD7 Mounting Bracket (Trane X05010511010)	138.12	50.85
23 09 23 00-0399	EA		Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	412.68	91.48
23 09 23 00-0400	EA		SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	2,271.88	762.37

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

23 09 23 00-0401	EA	BACnet Term (2 Pack) (Trane X1365152401).....	228.72	91.48
23 09 23 00-0402	EA	Tracer ES Add License (Trane X40250125010).....	4,848.50	2,032.94
23 09 23 00-0403	EA	Kit - Tracer TU For Controls (Trane X4509151201).....	5,842.33	2,032.81
23 09 23 00-0404	EA	Kit - Tracer TU Complete (Trane X4509151301).....	6,743.85	2,032.81
23 09 23 00-0405	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010).....	456.79	91.48
23 09 23 00-0406	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010).....	298.11	91.48
23 09 23 00-0407	EA	Sensor Wireless Display Sensor (Trane X13790822010).....	326.08	91.48
23 09 23 00-0408	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010).....	300.80	91.48
23 09 23 00-0409	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010).....	378.08	91.48
23 09 23 00-0410	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010).....	404.42	91.48

23 09 23 00-0411 Johnson Controls (23 09 23)

23 09 23 00-0412 Software (23 09 23 00-0411)

Note: Excludes programming, set-up and commissioning of application.

23 09 23 00-0413	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0).....	11,426.84	
23 09 23 00-0414	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0).....	13,481.86	
23 09 23 00-0415	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0).....	832.33	
23 09 23 00-0416	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2).....	1,171.01	
23 09 23 00-0417	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0).....	1,939.28	
23 09 23 00-0418	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0).....	838.07	
23 09 23 00-0419	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0).....	834.73	
23 09 23 00-0420	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6).....	415.43	

23 09 23 00-0421 Supervisory Controllers (23 09 23 00-0411)

23 09 23 00-0422	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2).....	6,734.00	510.37
23 09 23 00-0423	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2).....	9,444.21	510.37
23 09 23 00-0424	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1).....	12,160.43	510.37
23 09 23 00-0425	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0).....	5,690.04	510.37

23 09 23 00-0426 Controllers (23 09 23 00-0411)

23 09 23 00-0427	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0).....	798.37	127.59
23 09 23 00-0428	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0).....	979.09	255.19
23 09 23 00-0429	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0).....	1,435.47	255.19
23 09 23 00-0430	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0).....	1,616.18	255.19
23 09 23 00-0431	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0).....	694.70	127.59
23 09 23 00-0432	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0).....	740.78	127.59
23 09 23 00-0433	EA	BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0).....	809.90	127.59
23 09 23 00-0434	EA	17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0).....	819.11	127.59
23 09 23 00-0435	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2).....	1,663.20	255.19
23 09 23 00-0436	EA	32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 VAC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0).....	807.43	127.59
23 09 23 00-0437	EA	32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 VAC, and Sensor Actuator Bus, Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications (Johnson Controls MS-VMA1930-0).....	1,070.82	127.59

23 09 23 00-0438 Master FX Controllers (23 09 23 00-0411)

23 09 23 00-0439	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C).....	1,981.09	255.19
23 09 23 00-0440	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C).....	2,090.39	255.19
23 09 23 00-0441	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	2,144.71	255.19
23 09 23 00-0442	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	2,111.70	255.19
23 09 23 00-0443	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	2,060.12	255.19
23 09 23 00-0444	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C).....	2,068.39	255.19
23 09 23 00-0445	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C).....	2,060.12	255.19
23 09 23 00-0446	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C).....	2,090.51	255.19
23 09 23 00-0447	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C).....	2,184.91	255.19
23 09 23 00-0448	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C).....	2,247.83	255.19

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0449	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C).....	2,216.37	255.19
23 09 23 00-0450	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C).....	2,151.96	255.19
23 09 23 00-0451	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C).....	2,090.51	255.19
23 09 23 00-0452	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C).....	2,184.91	255.19
23 09 23 00-0453	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	2,247.83	255.19
23 09 23 00-0454	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	2,216.37	255.19
23 09 23 00-0455	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C).....	2,151.96	255.19
23 09 23 00-0456	EA		N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C).....	239.08	63.80
23 09 23 00-0457	EA		LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C).....	316.52	63.80
23 09 23 00-0458	EA		RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	260.82	63.80
23 09 23 00-0459	EA		BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	239.08	63.80
23 09 23 00-0460	EA		Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	646.49	63.80
23 09 23 00-0461	EA		Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	606.66	63.80
23 09 23 00-0462	EA		5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	615.99	63.80
23 09 23 00-0463	EA		5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	615.99	63.80
23 09 23 00-0464	EA		5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	662.58	63.80
23 09 23 00-0465	EA		5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	662.58	63.80
23 09 23 00-0466	EA		6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	796.52	63.80
23 09 23 00-0467	EA		6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	796.52	63.80
23 09 23 00-0468	EA		6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	872.22	63.80
23 09 23 00-0469	EA		6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	872.22	63.80
23 09 23 00-0470			VAV, Network And Special Sensors (23 09 23 00-0411)		
23 09 23 00-0471	EA		3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	389.26	40.83
23 09 23 00-0472	EA		3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	160.75	40.83
23 09 23 00-0473	EA		3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	311.62	40.83
23 09 23 00-0474	EA		3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	443.39	40.83
23 09 23 00-0475	EA		3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	177.86	40.83
23 09 23 00-0476	EA		3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	406.24	40.83
23 09 23 00-0477			Sensors - Hard Wired Type (23 09 23 00-0411)		
23 09 23 00-0478	EA		Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	194.05	73.50
23 09 23 00-0479	EA		Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	141.19	40.83
23 09 23 00-0480	EA		BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2).....	313.14	19.14
23 09 23 00-0481	EA		Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment. BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2).....	407.71	19.14
23 09 23 00-0482	EA		Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 VDC control input, three speeds of fan control, and dehumidification capability. BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627/VVT-2).....	313.66	19.14
23 09 23 00-0483	EA		Note: For VVT systems. BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	397.80	40.83
23 09 23 00-0484	EA		BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	479.65	40.83
23 09 23 00-0485			Automated Logic Controls (23 09 23)		
23 09 23 00-0486	EA		0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100).....	2,740.63	306.22
23 09 23 00-0487	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320).....	6,686.75	918.67
23 09 23 00-0488	EA		2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx).....	2,117.26	306.22
23 09 23 00-0489	EA		4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx).....	3,902.29	408.30
23 09 23 00-0490	EA		8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx).....	3,855.77	408.30
23 09 23 00-0491	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160).....	6,595.05	816.59
23 09 23 00-0492	EA		8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx).....	3,553.39	408.30
23 09 23 00-0493	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320).....	3,317.48	306.22
23 09 23 00-0494	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160).....	6,315.93	816.59
23 09 23 00-0495	EA		No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642).....	1,330.03	204.15
23 09 23 00-0496	EA		With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D).....	1,373.63	204.15
23 09 23 00-0497	EA		3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+).....	1,413.83	204.15
23 09 23 00-0498	EA		1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+).....	1,392.90	204.15
23 09 23 00-0499	EA		Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF).....	1,717.19	306.22
23 09 23 00-0500	EA		Unlimited Points, Front End Software For Building Control (Automated Logic WC).....	9,156.35	
23 09 23 00-0501	EA		500 Point, Front End Software For Building Control (Automated Logic WC500).....	4,364.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST				

23 09 23 00-0502 EA Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE) 3,346.74

23 09 23 00-0503 Alerton Controls (23 09 23)

23 09 23 00-0504	EA		50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL).....	6,795.90					
23 09 23 00-0505	EA		150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM).....	8,317.70					
23 09 23 00-0506	EA		Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM).....	18,828.65					
23 09 23 00-0507	EA		Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE).....	14,487.17					
23 09 23 00-0508	EA		Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE).....	35,052.06					
23 09 23 00-0509	EA		Unlimited Devices, SQL Server Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE).....	27,949.86					
23 09 23 00-0510	EA		Dashboard Option, Unlimited Devices, SQL Server Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE).....	41,907.01					
23 09 23 00-0511	EA		Alerton Building Suite Tech License (Alerton ABS-3-TECH).....	1,311.83					
23 09 23 00-0512	EA		Enterprise Edition With SQL Server Support, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-ENT1).....	16,799.57					
23 09 23 00-0513	EA		Unlimited Controllers, Unlimited Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-LRG).....	12,679.74					
23 09 23 00-0514	EA		150 Controllers, 3 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-MED).....	8,285.72					
23 09 23 00-0515	EA		50 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-SM).....	5,673.97					
23 09 23 00-0516	EA		10 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-XS).....	2,355.99					
23 09 23 00-0517	EA		1 Ethernet, 1 MS/TP, BACTalk Control Module (Alerton 715000100).....	3,633.30					306.22
23 09 23 00-0518	EA		Foreign Protocol Converter For P1 Systems, BACTalk Control Module (Alerton BCM-FPCS).....	5,259.66					408.30
23 09 23 00-0519	EA		Modbus Gateway, BACTalk Control Module (Alerton BCM-MDBS).....	5,203.91					408.30
23 09 23 00-0520	EA		V.90/56K Modem, BACTalk Control Module (Alerton BCM-MDM).....	2,285.15					306.22
23 09 23 00-0521	EA		1 MS/TP, BACTalk Control Module (Alerton 715000300).....	2,611.91					306.22
23 09 23 00-0522	EA		Power Supply, BACTalk Control Module (Alerton BCM-PWS).....	2,184.61					306.22
23 09 23 00-0523	EA		1 TUX Trunk, BACTalk Control Module (Alerton BCM-TUX).....	2,536.97					306.22
23 09 23 00-0524	EA		Web Server And Configurator CD, BACTalk Control Module (Alerton BCM-WEB).....	4,990.58					306.22
23 09 23 00-0525	EA		BACTalk Field Level Gateway For Modbus (Alerton FLG-MODBUS).....	2,934.92					408.30
23 09 23 00-0526	EA		EXP BACnet Controller (Alerton VLX).....	6,255.99					816.59
23 09 23 00-0527	EA		VLX BACnet High Performance Controller (Alerton VLX-PLATINUM).....	6,971.20					816.59
23 09 23 00-0528	EA		Multiple Segment MS/TP Repeater (Alerton MSTP-REP).....	879.16					90.92
23 09 23 00-0529	EA		4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD).....	1,999.53					306.22
23 09 23 00-0530	EA		4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7).....	2,074.94					306.22
23 09 23 00-0531	EA		4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD).....	1,814.45					306.22
23 09 23 00-0532	EA		4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A).....	1,919.56					306.22
23 09 23 00-0533	EA		5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD).....	1,914.99					306.22
23 09 23 00-0534	EA		11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACTalk Field Controller For Central Plant Systems (Alerton VLC-1188).....	2,518.23					306.22
23 09 23 00-0535	EA		16 Inputs, BACTalk Field Controller (Alerton VLC-1600).....	2,102.82					306.22
23 09 23 00-0536	EA		16 Inputs, 16 Binary Triac Outputs, BACTalk Field Controller (Alerton VLC-16160).....	3,033.18					408.30
23 09 23 00-0537	EA		4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444).....	1,398.68					204.15
23 09 23 00-0538	EA		5 Inputs, 5 Binary Outputs, BACTalk Field Controller (Alerton VLC-550).....	1,368.51					204.15
23 09 23 00-0539	EA		6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-651R).....	1,926.41					306.22
23 09 23 00-0540	EA		6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-660R).....	1,926.41					306.22
23 09 23 00-0541	EA		8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACTalk Field Controller (Alerton VLC-853).....	2,169.99					306.22
23 09 23 00-0542	EA		16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688).....	3,833.38					408.30
23 09 23 00-0543	EA		2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362).....	1,969.83					306.22
23 09 23 00-0544	EA		Wireless Door Contact Sensor (Alerton AL-OC-DS).....	111.62					11.48
23 09 23 00-0545	EA		One-Speed BACTalk Microset Wall Sensor (Alerton MS-1010-BT).....	164.81					11.48
23 09 23 00-0546	EA		One-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT).....	380.51					11.48
23 09 23 00-0547	EA		Three-Speed BACTalk Microset Wall Sensor (Alerton MS-1030-BT).....	380.51					11.48
23 09 23 00-0548	EA		Three-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT).....	301.92					11.48
23 09 23 00-0549	EA		BACnet-Compliant Wall Sensor (Alerton TS-1050-BT).....	119.12					11.48
23 09 23 00-0550	EA		Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT).....	400.17					11.48
23 09 23 00-0551	EA		Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT).....	445.87					11.48
23 09 23 00-0552	EA		10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0).....	2,513.66					306.22
23 09 23 00-0553	EA		10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8).....	2,626.07					306.22
23 09 23 00-0554	EA		22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0).....	2,529.20					306.22

23 09 23 00-0555 Siemens Controls (23 09 23)

23 09 23 00-0556	EA		Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083).....	232.36					19.14
23 09 23 00-0557	EA		Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085).....	231.13					19.14
23 09 23 00-0558	EA		SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....	286.63					86.20
23 09 23 00-0559	EA		-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591).....	381.73					86.20
23 09 23 00-0560	EA		Spring Clip Mounting Kit For Thermostat (Siemens 182-685).....	50.31					
23 09 23 00-0561	EA		Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001).....	171.96					127.59
23 09 23 00-0562	EA		3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012).....	273.65					22.72
23 09 23 00-0563	EA		1" Three Way, 10 Cv, FxF, Stainless Steel Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	359.24					41.26
23 09 23 00-0564	EA		1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203).....	928.48					41.26
23 09 23 00-0565	EA		1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006).....	804.34					52.27
23 09 23 00-0566	EA		36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	267.41					73.50
23 09 23 00-0567	EA		-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768).....	211.71					40.83
23 09 23 00-0568	EA		Unit Conditioner Controller With Secure Mode (Siemens 540-110C).....	1,282.14					204.15

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
23 09 23 00-0569	EA		9-Pin, Female To RJ-11 Cable (Siemens 540-143)	43.76	
23 09 23 00-0570	EA		Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	1,323.79	204.15
23 09 23 00-0571	EA		MMI Extension Cable (Siemens 545-712)	111.65	
23 09 23 00-0572	EA		Remote Pressure Transmitter (Siemens 547-003).....	689.77	40.83
23 09 23 00-0573	EA		Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	1,400.55	204.15
23 09 23 00-0574	EA		BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	1,315.63	204.15
23 09 23 00-0575	EA		Replacement Door Lock And Key Assembly (Siemens 567-225).....	34.08	
23 09 23 00-0576	EA		Insight Advanced Software Package (Siemens 571-010-381-USB)	8,566.50	
			Note: Includes one user license and one sentinel key.		
23 09 23 00-0577	EA		BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	454.61	
23 09 23 00-0578	EA		Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	1,532.46	
23 09 23 00-0579	EA		1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	322.32	13.72
23 09 23 00-0580	EA		2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	666.95	23.79
23 09 23 00-0581	EA		Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	9,519.21	510.37
23 09 23 00-0582	EA		SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	10,500.26	510.37
23 09 23 00-0583	EA		7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	122.07	19.14
23 09 23 00-0584	EA		Two Position, 24 VAC/VDC, Standard Cabling, Dual Auxilliary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U).....	509.13	95.42
23 09 23 00-0585	EA		Modulating, 0 To 10 VDC, , 24 VAC/VDC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....	526.93	95.42
23 09 23 00-0586	EA		License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36- PE.A (Siemens LSM-36.A)	3,058.88	
23 09 23 00-0587	EA		License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	942.29	
23 09 23 00-0588	EA		License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A).....	2,130.34	
23 09 23 00-0589	EA		License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM- FPWEB).....	1,604.66	
23 09 23 00-0590	EA		License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,467.43	
23 09 23 00-0591	EA		License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	3,636.63	
23 09 23 00-0592	EA		16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	486.29	
23 09 23 00-0593	EA		16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR).....	541.38	
23 09 23 00-0594	EA		8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	279.91	
23 09 23 00-0595	EA		18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	482.26	63.80
23 09 23 00-0596	EA		19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19)	697.79	63.80
23 09 23 00-0597	EA		34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	881.84	63.80
23 09 23 00-0598	EA		Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24- Point Compact Series (Siemens PXA-HMI.CABLEP5).....	28.13	
23 09 23 00-0599	EA		115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	442.29	63.80
23 09 23 00-0600	EA		115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....	519.49	63.80
23 09 23 00-0601	EA		230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA).....	469.37	63.80
23 09 23 00-0602	EA		230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA).....	552.91	63.80
23 09 23 00-0603	EA		PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A).....	6,226.37	714.52
23 09 23 00-0604	EA		PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	3,919.39	204.15
23 09 23 00-0605	EA		Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	6,981.62	816.59
23 09 23 00-0606	EA		16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	2,943.71	382.78
23 09 23 00-0607	EA		16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	3,112.02	382.78
23 09 23 00-0608	EA		16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A).....	2,943.71	382.78
23 09 23 00-0609	EA		24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	3,578.54	408.30
23 09 23 00-0610	EA		24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	3,662.67	408.30
23 09 23 00-0611	EA		24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	3,626.99	408.30
23 09 23 00-0612	EA		24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2- ERF.A).....	3,789.75	408.30
23 09 23 00-0613	EA		24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A).....	3,578.54	408.30
23 09 23 00-0614	EA		24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	3,706.02	408.30
23 09 23 00-0615	EA		36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	5,892.78	714.52
23 09 23 00-0616	EA		36 Point, BACnet/IP Or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A).....	8,789.63	816.59
23 09 23 00-0617	EA		License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXC-TXIO.A).....	1,209.40	
23 09 23 00-0618	EA		Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S).....	513.38	51.04
23 09 23 00-0619	EA		Controller Mounted Operator Display Module (Siemens PXM10T).....	690.87	102.08
23 09 23 00-0620	EA		Provides FLN Support For The PXC Modular, Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported (Siemens PXX-485.3).....	248.48	25.51
23 09 23 00-0621	EA		Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN).....	323.02	73.50
23 09 23 00-0622	EA		Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	204.58	40.83
23 09 23 00-0623	EA		4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	147.52	40.83
23 09 23 00-0624	EA		8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020).....	221.08	73.50
23 09 23 00-0625	EA		24" Flexible Averaging Probe (Siemens QAM2012.750).....	298.15	73.50
23 09 23 00-0626	EA		2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200).....	244.10	73.50
23 09 23 00-0627	EA		10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5(22X)).....	2,279.30	411.11
23 09 23 00-0628	EA		Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	73.92	12.76
23 09 23 00-0629	EA		Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100).....	0.18	
23 09 23 00-0630	EA		16 Digital Input Module (Siemens TXM1.16D).....	1,343.32	204.15
23 09 23 00-0631	EA		6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M).....	1,982.33	306.22
23 09 23 00-0632	EA		8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML).....	2,310.94	306.22
23 09 23 00-0633	EA		1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4).....	354.89	40.83

23 09 23 00-0634 Cypress Envirosystems Controls (23 09 23)

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

23 09 23 00-0635		Wireless Pneumatic Thermostat <small>(23 09 23 00-0634)</small>		
		Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.		
	EA	Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP).....	339.65	12.76
		Note: One for every thermostat to be retrofitted.		
		<i>For >50 To 200, Deduct</i>	-16.52	
		<i>For >200, Deduct</i>	-33.01	
	EA	Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP).....	339.65	12.76
		Note: One for every thermostat to be retrofitted.		
		<i>For >50 To 200, Deduct</i>	-16.52	
		<i>For >200, Deduct</i>	-33.01	
	EA	Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP)	339.65	12.76
		Note: One for every thermostat to be retrofitted.		
		<i>For >50 To 200, Deduct</i>	-16.52	
		<i>For >200, Deduct</i>	-33.01	
	EA	Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP)	339.65	12.76
		Note: One for every thermostat to be retrofitted.		
		<i>For >50 To 200, Deduct</i>	-16.52	
		<i>For >200, Deduct</i>	-33.01	
	EA	Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB)	383.90	12.76
		Note: One for every thermostat to be retrofitted.		
		<i>For >50 To 200, Deduct</i>	-18.98	
		<i>For >200, Deduct</i>	-37.93	
	EA	Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB)	383.90	12.76
		Note: One for every thermostat to be retrofitted.		
		<i>For >50 To 200, Deduct</i>	-18.98	
		<i>For >200, Deduct</i>	-37.93	
	EA	Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB)	383.90	12.76
		Note: One for every thermostat to be retrofitted.		
		<i>For >50 To 200, Deduct</i>	-18.98	
		<i>For >200, Deduct</i>	-37.93	
	EA	Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB)	393.46	12.76
		Note: One for every thermostat to be retrofitted.		
		<i>For >50 To 200, Deduct</i>	-19.51	
		<i>For >200, Deduct</i>	-38.99	
	EA	Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV)	32.26	12.76
		Note: Optional cover.		
		<i>For >50 To 200, Deduct</i>	-1.08	
		<i>For >200, Deduct</i>	-2.17	
	EA	Green Box Controller (Cypress Envirosystems GBC-800-001)	3,753.09	12.76
		Note: One unit for up to 100 thermostats.		
		<i>For 2, Deduct</i>	-180.30	
		<i>For >2, Deduct</i>	-360.27	
	EA	WPT USB Hub (Cypress Envirosystems WPT-800-HUSB)	270.07	12.76
		Note: One unit for up to 100 thermostats.		
		<i>For 2, Deduct</i>	-14.31	
		<i>For >2, Deduct</i>	-28.59	
	EA	WPT Repeater (Cypress Envirosystems WPT-800-RWAL)	488.35	12.76
		Note: One unit for up to 15 thermostats.		
		<i>For >5 To 10, Deduct</i>	-23.60	
		<i>For >10, Deduct</i>	-47.17	
	EA	24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V)	621.28	12.76
		Note: One unit for up to 15 thermostats.		
		<i>For >5 To 10, Deduct</i>	-27.45	
		<i>For >10, Deduct</i>	-54.85	

23 09 23 00-0649 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators (23 09 23)

23 09 23 00-0650		Temperature Sensors <small>(23 09 23 00-0649)</small>		
	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	204.58	73.50
	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	252.55	73.50
	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	210.10	73.50
	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	215.76	73.50
	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	217.64	73.50
	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	215.78	73.50
	EA	10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP)	216.78	73.50
	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	226.31	73.50
	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	234.64	73.50
	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	299.27	102.08
	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	305.68	102.08
	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	129.18	40.83
	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	131.54	40.83
	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	125.34	40.83

23 09 23 00-0665		Water Temperature Sensors <small>(23 09 23 00-0649)</small>		
	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	157.61	78.98
	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	385.24	78.98

23 09 23 00-0668		Relative Humidity Sensors <small>(23 09 23 00-0649)</small>		
	EA	3% Duct Mounted RH Sensor (Kele HD30K)	410.29	73.50
	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	419.22	73.50

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 09 23 00-0671	EA	3% RH Outdoor Air Sensor (Kele HO30K).....	495.98		102.08
23 09 23 00-0672	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	342.28		40.83
23 09 23 00-0673		Pressure Sensors (23 09 23 00-0649)			
23 09 23 00-0674	EA	Differential Pressure Transmitters With NEMA 1 Case, 0 To .5" W.C. (Kele T30-005).....	533.84		86.20
23 09 23 00-0675	EA	Differential Pressure Transmitters With NEMA 1 Case, 0 To 5" W.C. (Kele T30-050).....	485.87		86.20
23 09 23 00-0676	EA	Adjustable Differential Pressure Switches, .05 To 12" W.C. (Kele AFS-222).....	253.76		86.20
23 09 23 00-0677	EA	Adjustable Differential Pressure Switches, .05 To 2" W.C. (Kele AFS-262).....	259.33		86.20
23 09 23 00-0678	EA	Manual Reset Adjustable Differential Pressure Switches, .4 To 2" W.C. (Kele AFS-460)	270.24		86.20
23 09 23 00-0679	EA	Adjustable Differential Pressure Switches, .05 To 12" W.C., 1/8" NPT (Kele AFS-145)	257.71		86.20
23 09 23 00-0680	EA	Water Differential Pressure Transmitter, 0 To 100psid, Bypass Valve Assembly Option (Kele 360C-P210D-BVA)	1,701.45		86.20
		Note: Excludes pipe fittings.			
23 09 23 00-0681	EA	Water Differential Pressure Transmitter, 0 To 60psid, Bypass Valve Assembly Option (Kele 360C-P160D-BVA)	1,701.45		86.20
		Note: Excludes pipe fittings.			
23 09 23 00-0682	EA	Magnahelic Gauge.....	580.46		52.69
23 09 23 00-0683		Water Flow Meters (23 09 23 00-0649)			
23 09 23 00-0684	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500)	3,053.81		108.77
		Note: Excludes pipe fittings.			
23 09 23 00-0685	EA	Dual Turbine Insertion Flow Meter With Analog Output (Onicon F-1210)	1,732.55		36.25
		Note: Excludes pipe fittings.			
23 09 23 00-0686		Air Flow Monitoring Stations (23 09 23 00-0649)			
23 09 23 00-0687	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116)	2,413.05		111.04
		Note: 10' cable, 36" x 24" typical duct size.			
23 09 23 00-0688	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116)	3,416.94		111.04
		Note: 10' cable, 48" x 36" typical duct size.			
23 09 23 00-0689	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116)	4,225.78		111.04
		Note: 10' cable, 60" x 48" typical duct size.			
23 09 23 00-0690		Gas Sensors (23 09 23 00-0649)			
23 09 23 00-0691	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B).....	1,286.41		61.24
23 09 23 00-0692	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	584.04		40.83
23 09 23 00-0693	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2).....	1,036.57		61.24
		Note: Solid state sensor.			
23 09 23 00-0694	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	608.27		73.50
23 09 23 00-0695		Room Pressure Monitoring (23 09 23 00-0649)			
23 09 23 00-0696	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	1,993.26		57.83
23 09 23 00-0697	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC).....	3,159.61		57.83
		Note: Excludes dampers and actuators.			
23 09 23 00-0698	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4).....	267.93		34.69
23 09 23 00-0699	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	305.15		34.69
23 09 23 00-0700		Current Switches And Current Sensors (23 09 23 00-0649)			
23 09 23 00-0701	EA	Current Sensor, 0-20 Amp, 0-5 Volt DC (Senva C-1203)	130.05		40.83
23 09 23 00-0702	EA	Current Sensor, 0-20 Amp, 4-20mA (Senva C-1205)	133.28		40.83
23 09 23 00-0703	EA	VFD Current Switch, 0.5-135 Amp Range, Split Core (Senva C-2350VFD-L)	180.61		40.83
23 09 23 00-0704	EA	Current Switch, 0.15-100 Amp Range, Split Core With NC Command Relay (Senva C-2300 And CR4-24)	125.75		40.83
23 09 23 00-0705	EA	DC Current Sensor, Split Core, 0-50/100/200 Amp (Selectable), 4-20mA, 0-5 Volt DC (Veris H970HCA).....	290.34		40.83
23 09 23 00-0706	EA	DC Current Sensor, Split Core, 0-20/40/80 Amp (Selectable), 0-20mA, 0-5 Volt DC (Veris H970LCC).....	201.94		40.83
23 09 23 00-0707	EA	Current Switch, 1-135 Amp, N.O. Contact 1A @ 110 Volt (Veris H709)	165.11		40.83
23 09 23 00-0708	EA	Current Switch, 0-10/20/40 Amp, 4-20mA Analog Output, Solid Core, Loop Powered (Veris H721).....	165.11		40.83
23 09 23 00-0709	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC).....	3,415.16		204.15
23 09 23 00-0710	EA	Power Transducer, Modbus RTU, 100 Amp (Veris H8035-0100-2).....	855.89		40.83
		Note: 3 phase networked transducer.			
23 09 23 00-0711	EA	Energy Meter, Three Current Switches, Pulse Output, Phase Loss Alarm Output, 2,400 Amp (Veris H8163-2400-4-3)	1,276.85		40.83
23 09 23 00-0712	EA	Current Transducer, 0-20 Amp, 0-5 Volt DC (Kele 4CTV)	173.77		40.83
23 09 23 00-0713	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800).....	314.11		108.45
23 09 23 00-0714	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900).....	314.37		108.45
23 09 23 00-0715	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	327.28		108.45
23 09 23 00-0716	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	330.50		108.45
23 09 23 00-0717	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904).....	348.79		108.45
23 09 23 00-0718	EA	Toggle Switch	135.77		51.04
23 09 23 00-0719	EA	Maintained Pushbutton Switch	141.03		51.04
23 09 23 00-0720	EA	Manual Time Switch.....	190.70		51.04
23 09 23 00-0721	EA	Emergency Stop Switch.....	279.50		51.04
23 09 23 00-0722	EA	Float Switch	329.98		51.04
23 09 23 00-0723	EA	Break Glass Switch.....	873.63		51.04
23 09 23 00-0724	EA	Boiler E-Stop Switch	662.28		51.04
23 09 23 00-0725		Relays (23 09 23 00-0649)			
23 09 23 00-0726	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V).....	115.53		40.83
23 09 23 00-0727	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1).....	122.14		40.83

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0728	EA		SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B).....	165.09	51.04
			Note: Box type.		
23 09 23 00-0729	EA		Motor Starter Interface, 300msec Pulse (Kele PIL-2)	181.50	40.83
23 09 23 00-0730	EA		DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	110.73	40.83
23 09 23 00-0731	EA		SP Relay Socket, DIN Rail Mounted (Kele SH1B-05)	109.76	40.83
23 09 23 00-0732	EA		SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	115.53	40.83
23 09 23 00-0733	EA		DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	118.55	40.83
23 09 23 00-0734	EA		SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	119.38	40.83
23 09 23 00-0735	EA		SPDT Pilot Relay, Universal (Kele RIBU1C).....	137.22	51.04
			Note: Box type.		
23 09 23 00-0736	EA		SPST Pilot Relay With HOA Switch (Kele RIBU1S)	164.22	51.04
			Note: Box type.		
23 09 23 00-0737	EA		SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	247.50	51.04
23 09 23 00-0738	EA		SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	246.30	51.04
23 09 23 00-0739			Surge Protectors (23 09 23 00-0649)		
23 09 23 00-0740	EA		Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	207.62	10.21
23 09 23 00-0741	EA		Surge Protector, 1AC Outlet (Transtector TR2251)	159.57	10.21
23 09 23 00-0742	EA		Surge Protector, 2 AC Outlets (Transtector TR2254)	242.25	10.21
23 09 23 00-0743	EA		Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	136.11	10.21
23 09 23 00-0744	EA		Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	136.11	10.21
23 09 23 00-0745	EA		Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	136.11	10.21
23 09 23 00-0746	EA		Surge Protector, Individual Wire Connection (Transtector TR2258)	191.99	10.21
23 09 23 00-0747	EA		Surge Protector, Trane Communication Links (Transtector TR2257)	122.70	10.21
23 09 23 00-0748			Transformers (23 09 23 00-0649)		
23 09 23 00-0749	EA		50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	129.34	40.83
23 09 23 00-0750	EA		75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	136.85	40.83
23 09 23 00-0751	EA		75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	136.85	40.83
23 09 23 00-0752	EA		100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	143.65	40.83
23 09 23 00-0753	EA		100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	147.83	40.83
23 09 23 00-0754			Power Supplies (23 09 23 00-0649)		
23 09 23 00-0755	EA		Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA).....	171.59	40.83
23 09 23 00-0756	EA		AC/DC Power Supply, 1.2 Amp @ 24 Volt Output (Kele DCPA-1.2)	192.43	40.83
23 09 23 00-0757	EA		DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524).....	183.03	40.83
23 09 23 00-0758	EA		DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	187.48	40.83
23 09 23 00-0759	EA		DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H).....	183.52	40.83
23 09 23 00-0760	EA		DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	190.14	40.83
23 09 23 00-0761	EA		DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amp (Kele DCP-1.5-W-C).....	153.68	40.83
23 09 23 00-0762			Control Damper Actuators (23 09 23 00-0649)		
23 09 23 00-0763	EA		44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR)	467.82	95.55
23 09 23 00-0764	EA		90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	502.49	95.55
23 09 23 00-0765	EA		90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	559.29	95.55
23 09 23 00-0766	EA		175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	586.44	95.55
23 09 23 00-0767	EA		90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR).....	602.54	95.55
23 09 23 00-0768	EA		360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	665.87	95.55
23 09 23 00-0769			Valves With Actuator (23 09 23 00-0649)		
23 09 23 00-0770	EA		1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	472.67	16.86
23 09 23 00-0771	EA		3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	494.39	22.72
23 09 23 00-0772	EA		1" 2-Way Bronze Globe Valve With Actuator (Belimo G225+NV24-MFT US)	543.88	27.51
23 09 23 00-0773	EA		1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	598.57	34.84
23 09 23 00-0774	EA		1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	682.37	40.21
23 09 23 00-0775	EA		2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	773.38	47.52
23 09 23 00-0776	EA		2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	1,452.90	95.03
23 09 23 00-0777	EA		3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	1,583.68	111.21
23 09 23 00-0778	EA		4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	2,151.55	163.34
23 09 23 00-0779	EA		5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	3,160.35	236.05
23 09 23 00-0780	EA		6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	3,500.44	261.34
23 09 23 00-0781	EA		1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	516.04	25.29
23 09 23 00-0782	EA		3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	540.39	34.09
23 09 23 00-0783	EA		1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	590.00	41.26
23 09 23 00-0784	EA		1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	660.91	52.27
23 09 23 00-0785	EA		1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	841.72	60.31
23 09 23 00-0786	EA		2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	938.34	71.28
23 09 23 00-0787	EA		2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	1,674.92	142.55
23 09 23 00-0788	EA		3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	1,851.72	166.82
23 09 23 00-0789	EA		4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2"GMX24-MFTX1)	2,697.04	245.01
23 09 23 00-0790	EA		5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2"GMX24-MFTX1)	3,910.60	354.08
23 09 23 00-0791	EA		6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2"GMX24-MFTX1)	4,345.65	392.02
23 09 23 00-0792	EA		1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	117.67	16.86
23 09 23 00-0793	EA		3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	140.81	22.72
23 09 23 00-0794	EA		1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	176.61	27.51

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 09 23 00-0795	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	147.23	25.29
23 09 23 00-0796	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	175.29	34.09
23 09 23 00-0797	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	218.26	41.26
23 09 23 00-0798	EA	1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	187.92	16.86
23 09 23 00-0799	EA	3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	224.71	22.72
23 09 23 00-0800	EA	1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	256.79	27.51
23 09 23 00-0801	EA	1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	333.42	34.84
23 09 23 00-0802	EA	1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	347.82	40.21
23 09 23 00-0803	EA	2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	440.50	47.52
23 09 23 00-0804	EA	2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	941.32	95.03
23 09 23 00-0805	EA	3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,104.93	111.21
23 09 23 00-0806	EA	1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	231.13	25.29
23 09 23 00-0807	EA	3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	270.71	34.09
23 09 23 00-0808	EA	1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	347.46	41.26
23 09 23 00-0809	EA	1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	488.57	52.27
23 09 23 00-0810	EA	1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	518.72	60.31
23 09 23 00-0811	EA	2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	681.35	71.28
23 09 23 00-0812	EA	2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	576.70	87.12
23 09 23 00-0813	EA	2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	608.06	95.03
23 09 23 00-0814	EA	3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	789.76	111.21
23 09 23 00-0815	EA	4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2"GMB24-3X1)	1,217.67	186.68
23 09 23 00-0816	EA	5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	2,353.50	236.05
23 09 23 00-0817	EA	6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	2,491.62	261.34
23 09 23 00-0818	EA	8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	3,349.52	298.68
23 09 23 00-0819	EA	10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	4,109.17	365.89
23 09 23 00-0820	EA	12" 2-Way Butterfly Valve With Actuator (Belimo F6300HDS+SY4-24)	5,072.29	443.49
23 09 23 00-0821	EA	14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	5,657.33	522.69
23 09 23 00-0822	EA	16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	7,400.55	574.96
23 09 23 00-0823	EA	18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	8,928.73	638.73
23 09 23 00-0824	EA	2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	1,044.50	130.67
23 09 23 00-0825	EA	2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,222.47	142.55
23 09 23 00-0826	EA	3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2"GMB24-3X1)	1,502.80	166.82
23 09 23 00-0827	EA	4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2"GMB24-3X1)	1,973.79	280.01
23 09 23 00-0828	EA	5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	3,890.16	354.08
23 09 23 00-0829	EA	6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	4,045.33	392.02
23 09 23 00-0830	EA	8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	5,067.60	448.06
23 09 23 00-0831	EA	10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	6,677.22	548.83
23 09 23 00-0832	EA	12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	8,114.85	665.25
23 09 23 00-0833	EA	14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	12,487.47	784.04
23 09 23 00-0834	EA	16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	13,915.99	862.43
23 09 23 00-0835	EA	18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	21,162.34	958.10

23 09 23 00-0836 Valve Actuators (23 09 23 00-0849)

23 09 23 00-0837	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	464.44	107.96
23 09 23 00-0838	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	469.95	107.96
23 09 23 00-0839	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	502.50	107.96
23 09 23 00-0840	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	515.70	107.96
23 09 23 00-0841	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	523.74	107.96
23 09 23 00-0842	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	576.53	107.96
23 09 23 00-0843	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	590.40	107.96
23 09 23 00-0844	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	599.37	107.96
23 09 23 00-0845	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	620.99	107.96
23 09 23 00-0846	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	493.34	107.96
23 09 23 00-0847	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	538.70	107.96
23 09 23 00-0848	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	550.37	107.96
23 09 23 00-0849	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	558.43	107.96
23 09 23 00-0850	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	561.44	107.96
23 09 23 00-0851	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	616.23	107.96
23 09 23 00-0852	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	639.86	107.96
23 09 23 00-0853	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	652.41	107.96
23 09 23 00-0854	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT)	649.92	107.96
23 09 23 00-0855	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	657.95	107.96
23 09 23 00-0856	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	657.45	107.96
23 09 23 00-0857	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4)	709.58	107.96

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

23 09 23 00-0858	EA		24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4).....	841.43	107.96
23 09 23 00-0859	EA		100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3).....	589.08	107.96
23 09 23 00-0860	EA		100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR).....	685.61	107.96
23 09 23 00-0861	EA		24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24).....	1,442.62	107.96
23 09 23 00-0862	EA		24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24).....	1,607.49	107.96
23 09 23 00-0863	EA		24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	1,912.60	107.96
23 09 23 00-0864	EA		24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	2,155.39	107.96
23 09 23 00-0865	EA		120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	2,535.91	107.96
23 09 23 00-0866	EA		120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	2,972.24	107.96
23 09 23 00-0867	EA		120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	3,975.56	107.96
23 09 23 00-0868	EA		120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	4,834.61	107.96

23 09 23 00-0869 Rectangular Galvanized Volume Control Dampers (23 09 23 00-0649)
 Note: Excludes actuators.

23 09 23 00-0870	EA		8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	146.18	35.85
23 09 23 00-0871	EA		10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	164.00	39.33
23 09 23 00-0872	EA		12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	182.94	43.38
23 09 23 00-0873	EA		14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	212.05	50.89
23 09 23 00-0874	EA		16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	240.00	57.83
23 09 23 00-0875	EA		18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	247.42	65.06
23 09 23 00-0876	EA		20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	298.26	72.28
23 09 23 00-0877	EA		24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	356.49	86.74
23 09 23 00-0878	EA		32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	450.51	101.20
23 09 23 00-0879	EA		48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	644.24	115.66
23 09 23 00-0880	EA		60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	1,123.03	130.12
23 09 23 00-0881	EA		72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	1,411.78	144.58

23 09 23 00-0882 Round Galvanized Control Dampers (23 09 23 00-0649)
 Note: Excludes actuators.

23 09 23 00-0883	EA		6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	146.07	40.48
23 09 23 00-0884	EA		8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	151.90	43.38
23 09 23 00-0885	EA		10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	157.12	43.38
23 09 23 00-0886	EA		12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	175.15	49.15
23 09 23 00-0887	EA		14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	194.49	49.15
23 09 23 00-0888	EA		16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	214.20	57.83
23 09 23 00-0889	EA		18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	286.61	60.87
23 09 23 00-0890	EA		20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	299.19	63.10
23 09 23 00-0891	EA		22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	318.44	68.02
23 09 23 00-0892	EA		24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	337.99	72.95

23 09 23 00-0893 Remote Damper Control (23 09 23 00-0649)

23 09 23 00-0894	EA		Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B).....	241.08	
			<i>For Each 10' Flexible Casing And Wire, Add</i>	22.83	
23 09 23 00-0895	EA		Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B).....	236.41	
			<i>For Each 10' Flexible Casing And Wire, Add</i>	22.83	

23 09 23 00-0896 Peco Thermostats and Sensors (23 09 23 00-0649)

23 09 23 00-0897	EA		3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ).....	284.46	19.14
23 09 23 00-0898	EA		3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	260.02	19.14
23 09 23 00-0899	EA		Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	134.17	28.71
23 09 23 00-0900	EA		Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	132.04	28.71
23 09 23 00-0901	EA		Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001).....	167.78	28.71
23 09 23 00-0902	EA		Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002).....	152.00	28.71
23 09 23 00-0903	EA		Door Switch Occupancy Sensor (Peco SE200-001).....	65.34	28.71
23 09 23 00-0904	EA		Window Switch Occupancy Sensor (Peco SE200-002).....	62.40	28.71
23 09 23 00-0905	EA		Power Pack And Controller (Peco SF200-001).....	92.62	28.71

23 10 Facility Fuel Systems (23)

23 11 Facility Fuel Piping (23 10)

23 11 23 Facility Natural-Gas Piping (23 11)

23 11 23 00-0001			Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping <small>(23 11 23)</small>		
23 11 23 00-0002			Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0001)</small>		
			Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
23 11 23 00-0003	LF		3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	6.32	2.16
23 11 23 00-0004	LF		1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	6.94	2.33

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0005	LF		3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.27	2.52
23 11 23 00-0006	LF		1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	10.37	2.67
23 11 23 00-0007	LF		1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	12.17	2.81
23 11 23 00-0008	LF		1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	18.32	2.92
23 11 23 00-0009	LF		2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	24.69	3.11
23 11 23 00-0010			Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)		
23 11 23 00-0011			Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0012	EA		3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	30.23	
23 11 23 00-0013	EA		3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	30.23	
23 11 23 00-0014	EA		1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.41	
23 11 23 00-0015	EA		1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.41	
23 11 23 00-0016	EA		3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.72	
23 11 23 00-0017	EA		1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	52.72	
23 11 23 00-0018	EA		1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	52.72	
23 11 23 00-0019	EA		1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	88.29	
23 11 23 00-0020	EA		1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	160.00	
23 11 23 00-0021	EA		2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	257.85	
23 11 23 00-0022			Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0023	EA		3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	29.32	
23 11 23 00-0024	EA		1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.41	
23 11 23 00-0025	EA		1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.41	
23 11 23 00-0026	EA		3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.72	
23 11 23 00-0027	EA		3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.72	
23 11 23 00-0028	EA		1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	50.49	
23 11 23 00-0029	EA		1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	50.49	
23 11 23 00-0030			Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0031	EA		3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.27	
23 11 23 00-0032	EA		1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	51.31	
23 11 23 00-0033			Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0034	EA		3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	40.08	
23 11 23 00-0035	EA		1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	44.41	
23 11 23 00-0036	EA		3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	55.42	
23 11 23 00-0037	EA		1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	78.77	
23 11 23 00-0038	EA		1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	145.88	
23 11 23 00-0039	EA		1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	282.92	
23 11 23 00-0040	EA		2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	468.48	
23 11 23 00-0041			Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0042	EA		1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	55.56	
23 11 23 00-0043	EA		3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	88.13	
23 11 23 00-0044	EA		1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	138.32	
23 11 23 00-0045	EA		1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	236.31	
23 11 23 00-0046	EA		1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	254.00	
23 11 23 00-0047	EA		2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	291.34	
23 11 23 00-0048			Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0049	EA		3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.14	
23 11 23 00-0050	EA		1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	37.43	
23 11 23 00-0051	EA		3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	40.67	
23 11 23 00-0052	EA		1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.20	
23 11 23 00-0053	EA		1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.96	

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

23 11 23 00-0054			Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0055	EA		3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	39.68	
23 11 23 00-0056	EA		1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	40.82	
23 11 23 00-0057	EA		3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	47.85	
23 11 23 00-0058	EA		1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	56.21	
23 11 23 00-0059	EA		1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	56.21	

23 11 23 00-0060			Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0061	EA		3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	63.80	
23 11 23 00-0062	EA		1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	65.42	
23 11 23 00-0063	EA		3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	68.52	
23 11 23 00-0064	EA		1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	106.63	
23 11 23 00-0065	EA		1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	110.64	
23 11 23 00-0066	EA		1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	157.81	
23 11 23 00-0067	EA		2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	195.31	

23 11 23 00-0068			Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0069	EA		3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	67.23	
23 11 23 00-0070	EA		1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	68.78	
23 11 23 00-0071	EA		3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	75.58	
23 11 23 00-0072	EA		1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	133.59	
23 11 23 00-0073	EA		1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	137.83	
23 11 23 00-0074	EA		1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	188.11	
23 11 23 00-0075	EA		2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	236.37	

23 11 23 00-0076			Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0077	EA		1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.50	
23 11 23 00-0078	EA		3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	41.51	
23 11 23 00-0079	EA		1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	62.22	
23 11 23 00-0080	EA		1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	94.79	
23 11 23 00-0081	EA		1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	182.27	
23 11 23 00-0082	EA		2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	288.96	

23 11 23 00-0083			Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
			Note: Includes mounting plate.		
23 11 23 00-0084	EA		1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.26	
23 11 23 00-0085	EA		3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.21	
23 11 23 00-0086	EA		1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.29	
23 11 23 00-0087	EA		1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.40	
23 11 23 00-0088	EA		3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.84	
23 11 23 00-0089	EA		1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	41.22	
23 11 23 00-0090	EA		1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	49.33	

23 11 23 00-0091			Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
			Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA		1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	93.46	22.66
23 11 23 00-0093	EA		3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	105.31	23.79

23 11 23 00-0094			Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0095	EA		3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	67.61	19.82
23 11 23 00-0096	EA		1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	78.74	23.56
23 11 23 00-0097	EA		3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	96.52	28.33
23 11 23 00-0098	EA		1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	121.11	37.84

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 11 23 00-0099		Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>			
		Note: Includes mounting hardware.			
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	82.91		23.56
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	94.34		28.33
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	88.55		23.56
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	97.99		28.33
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	189.46		70.81
23 11 23 00-0105		Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>			
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	87.47		23.56
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	87.47		23.56
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	121.21		23.56
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	130.65		28.33
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	130.65		28.33
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	149.53		37.84
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	221.49		42.48
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	115.24		23.56
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	283.45		28.33
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	685.23		42.48
23 11 23 00-0116		Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) <small>(23 11 23)</small>			
23 11 23 00-0117		3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>			
23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12).....	49.52		16.99
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18).....	54.39		18.13
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24).....	59.05		18.13
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30).....	61.98		19.26
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36).....	65.72		19.26
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48).....	74.15		20.40
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60).....	81.80		20.40
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72).....	89.37		21.52
23 11 23 00-0126		3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>			
23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12).....	49.52		16.99
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18).....	54.39		18.13
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24).....	59.05		18.13
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30).....	61.98		19.26
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36).....	65.72		19.26
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48).....	74.15		20.40
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60).....	81.80		20.40
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72).....	89.37		21.52
23 11 23 00-0135		3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>			
23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12).....	49.52		16.99
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18).....	54.39		18.13
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24).....	59.05		18.13
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30).....	61.98		19.26
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36).....	65.72		19.26
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48).....	74.15		20.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0142	EA		60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60).....	81.80	20.40
23 11 23 00-0143	EA		72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72).....	89.37	21.52
23 11 23 00-0144			3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0145	EA		12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12).....	49.52	16.99
23 11 23 00-0146	EA		18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18).....	54.39	18.13
23 11 23 00-0147	EA		24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24).....	70.85	18.13
23 11 23 00-0148	EA		30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30).....	61.98	19.26
23 11 23 00-0149	EA		36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36).....	65.72	19.26
23 11 23 00-0150	EA		48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48).....	74.15	20.40
23 11 23 00-0151	EA		60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60).....	81.80	20.40
23 11 23 00-0152	EA		72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72).....	89.37	21.52
23 11 23 00-0153			3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0154	EA		12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12).....	54.08	16.99
23 11 23 00-0155	EA		18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18).....	60.04	18.13
23 11 23 00-0156	EA		24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24).....	59.05	18.13
23 11 23 00-0157	EA		30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30).....	69.19	19.26
23 11 23 00-0158	EA		36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36).....	65.72	19.26
23 11 23 00-0159	EA		48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48).....	74.15	20.40
23 11 23 00-0160	EA		60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60).....	81.80	20.40
23 11 23 00-0161	EA		72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72).....	89.37	21.52
23 11 23 00-0162			3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0163	EA		12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12).....	49.52	16.99
23 11 23 00-0164	EA		24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24).....	65.73	18.13
23 11 23 00-0165	EA		30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30).....	61.98	19.26
23 11 23 00-0166	EA		36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36).....	65.72	19.26
23 11 23 00-0167	EA		48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48).....	74.15	20.40
23 11 23 00-0168	EA		60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60).....	93.83	20.40
23 11 23 00-0169	EA		72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72).....	89.37	21.52
23 11 23 00-0170			3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0171	EA		12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12).....	49.52	16.99
23 11 23 00-0172	EA		18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18).....	54.39	18.13
23 11 23 00-0173	EA		24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24).....	59.05	18.13
23 11 23 00-0174	EA		30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30).....	61.98	19.26
23 11 23 00-0175	EA		36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36).....	65.72	19.26
23 11 23 00-0176	EA		48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48).....	74.15	20.40
23 11 23 00-0177	EA		60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60).....	81.80	20.40
23 11 23 00-0178	EA		72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72).....	89.37	21.52
23 11 23 00-0179			3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12).....	49.52		16.99
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18).....	54.39		18.13
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24).....	59.05		18.13
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30).....	61.98		19.26
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36).....	65.72		19.26
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48).....	74.15		20.40
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60).....	81.80		20.40
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72).....	89.37		21.52
23 11 23 00-0188		3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18).....	60.04		18.13
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24).....	59.05		18.13
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30).....	69.19		19.26
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36).....	73.69		19.26
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48).....	84.27		20.40
23 11 23 00-0194		1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12).....	49.52		16.99
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18).....	54.39		18.13
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24).....	54.32		18.13
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30).....	61.98		19.26
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36).....	60.07		19.26
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48).....	75.87		20.40
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60).....	81.80		20.40
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72).....	89.37		21.52
23 11 23 00-0203		1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12).....	49.52		16.99
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18).....	50.54		18.13
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24).....	51.72		18.13
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30).....	61.98		19.26
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36).....	65.72		19.26
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48).....	66.78		20.40
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60).....	81.80		20.40
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72).....	89.37		21.52
23 11 23 00-0212		1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12).....	49.52		16.99
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18).....	54.39		18.13
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24).....	59.05		18.13
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30).....	61.98		19.26
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36).....	56.14		19.26
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48).....	74.15		20.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0219	EA		60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60).....	81.80	20.40
23 11 23 00-0220	EA		72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72).....	89.37	21.52
23 11 23 00-0221			3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0222	EA		12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12).....	65.73	16.99
23 11 23 00-0223	EA		18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18).....	70.56	18.13
23 11 23 00-0224	EA		24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24).....	75.22	18.13
23 11 23 00-0225	EA		30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30).....	78.13	19.26
23 11 23 00-0226	EA		36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36).....	82.01	19.26
23 11 23 00-0227	EA		48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48).....	89.94	20.40
23 11 23 00-0228	EA		60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60).....	98.25	20.40
23 11 23 00-0229	EA		72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72).....	105.84	21.52
23 11 23 00-0230			3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0231	EA		12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12).....	77.06	22.66
23 11 23 00-0232	EA		18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18).....	81.89	23.79
23 11 23 00-0233	EA		24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24).....	86.56	23.79
23 11 23 00-0234	EA		30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30).....	89.46	24.93
23 11 23 00-0235	EA		36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36).....	93.34	24.93
23 11 23 00-0236	EA		48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48).....	101.27	26.05
23 11 23 00-0237	EA		60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60).....	109.59	26.05
23 11 23 00-0238	EA		72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72).....	117.17	27.19
23 11 23 00-0239			3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0240	EA		12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	77.06	22.66
23 11 23 00-0241	EA		18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	81.89	23.79
23 11 23 00-0242	EA		24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	86.56	23.79
23 11 23 00-0243	EA		30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	89.46	24.93
23 11 23 00-0244	EA		36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	93.34	24.93
23 11 23 00-0245	EA		48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	101.27	26.05
23 11 23 00-0246	EA		60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	109.59	26.05
23 11 23 00-0247	EA		72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72).....	117.17	27.19
23 11 23 00-0248			3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0249	EA		12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	90.22	22.66
23 11 23 00-0250	EA		18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	95.05	23.79
23 11 23 00-0251	EA		24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	99.72	23.79
23 11 23 00-0252	EA		30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	102.63	24.93
23 11 23 00-0253	EA		36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	106.53	24.93
23 11 23 00-0254	EA		48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	114.45	26.05
23 11 23 00-0255	EA		60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	122.77	26.05
23 11 23 00-0256			3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12).....	90.22		22.66
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18).....	95.05		23.79
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24).....	99.72		23.79
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36).....	106.53		24.93
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48).....	114.45		26.05
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60).....	122.77		26.05
23 11 23 00-0263		1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12).....	90.22		22.66
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18).....	95.05		23.79
23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24).....	99.72		23.79
23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30).....	102.63		24.93
23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36).....	106.53		24.93
23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48).....	114.45		26.05
23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60).....	122.77		26.05
23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72).....	130.34		27.19
23 11 23 00-0272		1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12).....	73.58		22.66
23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18).....	78.43		23.79
23 11 23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24).....	83.12		23.79
23 11 23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30).....	86.00		24.93
23 11 23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36).....	89.89		24.93
23 11 23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48).....	97.80		26.05
23 11 23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72).....	113.67		27.19
23 11 23 00-0280		1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0281	EA	18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18).....	87.80		23.79
23 11 23 00-0282	EA	24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24).....	93.53		23.79
23 11 23 00-0283		Quarter-Turn, Gas Ball Valve (23 11 23)			
23 11 23 00-0284	EA	3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102).....	45.24		12.06
23 11 23 00-0285	EA	1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103).....	45.41		12.31
23 11 23 00-0286	EA	3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104).....	65.35		13.54
23 11 23 00-0287	EA	3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112).....	44.84		12.06
23 11 23 00-0288	EA	1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113).....	47.31		12.31
23 11 23 00-0289	EA	1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118).....	52.88		12.31
23 11 23 00-0290	EA	5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121).....	57.39		12.93
23 11 23 00-0291	EA	5/8" (7/8"-14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114).....	60.23		12.93
23 11 23 00-0292	EA	5/8" (15/16"-16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115).....	60.23		12.93
23 11 23 00-0293	EA	3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312).....	46.96		12.06
23 11 23 00-0294	EA	1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313).....	49.43		12.31
23 11 23 00-0295	EA	5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314).....	61.73		12.93
23 11 23 00-0296	EA	1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413).....	49.71		12.31
23 11 23 00-0297	EA	3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414).....	66.96		13.54
23 11 23 00-0298	EA	3/8" (9/16"-24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119).....	46.85		12.06
23 11 23 00-0299	EA	3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612).....	44.56		12.06
23 11 23 00-0300	EA	1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613).....	45.40		12.31
23 11 23 00-0301	EA	3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614).....	62.30		13.54
23 11 23 00-0302	EA	1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615).....	84.54		15.39
23 11 23 00-0303	EA	1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616).....	121.20		16.00

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

23 11 23 00-0304	EA	1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617)	144.04	18.46	
23 11 23 00-0305	EA	2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618)	177.82	22.16	
23 11 23 00-0306	EA	1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713)	46.63	12.31	
23 11 23 00-0307	EA	3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714)	61.92	13.54	

23 11 23 00-0308 Gas Stops (23 11 23)

23 11 23 00-0309 Brass/Bronze Gas Stops (23 11 23 00-0308)

Note: Flat or square head

23 11 23 00-0310	EA	3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	46.43	12.31	
23 11 23 00-0311	EA	1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	47.49	12.31	
23 11 23 00-0312	EA	3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	63.07	13.54	
23 11 23 00-0313	EA	1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	83.19	15.39	
23 11 23 00-0314	EA	1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	108.51	16.37	
23 11 23 00-0315	EA	1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	132.14	18.95	
23 11 23 00-0316	EA	2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	173.08	22.40	

23 11 23 00-0317 Iron Body Gas Stops (23 11 23 00-0308)

23 11 23 00-0318	EA	1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	56.76	12.31	
23 11 23 00-0319	EA	3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	72.20	13.54	
23 11 23 00-0320	EA	1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	88.69	15.39	
23 11 23 00-0321	EA	1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	113.85	16.37	
23 11 23 00-0322	EA	1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	138.85	18.95	
23 11 23 00-0323	EA	2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	174.60	22.40	
23 11 23 00-0324	EA	2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	304.03	30.25	
23 11 23 00-0325	EA	3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	393.13	35.12	

23 11 23 00-0326 Bronze Body Solenoid Valves, 150 PSI Gas (23 11 23)

23 11 23 00-0327	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas	110.80	12.31	
23 11 23 00-0328	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas	128.08	12.31	
23 11 23 00-0329	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas	164.65	13.54	
23 11 23 00-0330	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas	238.86	15.39	
23 11 23 00-0331	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	416.05	18.95	
23 11 23 00-0332	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas	682.26	22.40	
23 11 23 00-0333	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	851.72	30.25	
23 11 23 00-0334	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas	1,255.40	35.12	

23 11 33 Facility Fiberglass Reinforced Piping (23 11)

23 11 33 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings (23 11 33)

23 11 33 00-0002 Fiberglass Reinforced Plastic Pipe (23 11 33 00-0001)

Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (include in modifier for use as inner pipe).

23 11 33 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe	18.98	8.16	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-9.14		
23 11 33 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe	22.75	9.75	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-10.97		
23 11 33 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe	30.87	14.39	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-16.14		
23 11 33 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe	35.90	16.54	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-18.19		
23 11 33 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe	41.70	18.47	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-20.81		
23 11 33 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe	55.54	22.16	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-24.90		
23 11 33 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe	72.18	26.35	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-29.69		
23 11 33 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe	83.57	33.19	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-37.34		

23 11 33 00-0011 Fiberglass Reinforced Plastic Fittings (23 11 33 00-0001)

23 11 33 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows (23 11 33 00-0011)

23 11 33 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	155.63	81.24	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-91.37		
23 11 33 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	184.51	97.55	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-109.64		
23 11 33 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	219.11	113.30	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-127.37		
23 11 33 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	264.45	131.08	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-144.59		
23 11 33 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	314.51	147.07	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-165.36		
23 11 33 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	436.49	183.78	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-206.71		
23 11 33 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	553.10	221.37	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-248.94		
23 11 33 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	652.59	274.51	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-308.69		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 11 33 00-0021	Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 33 00-0011)		
23 11 33 00-0022	EA 2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	155.89 -91.37	81.24
23 11 33 00-0023	EA 3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	184.59 -109.64	97.55
23 11 33 00-0024	EA 4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	219.40 -127.46	113.41
23 11 33 00-0025	EA 5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	269.96 -148.70	134.71
23 11 33 00-0026	EA 6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	314.42 -165.36	147.07
23 11 33 00-0027	EA 8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	436.49 -206.71	183.78
23 11 33 00-0028	EA 10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	510.36 -248.94	221.37
23 11 33 00-0029	EA 12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	652.59 -308.69	274.51
23 11 33 00-0030	Fiberglass Reinforced Plastic Flanged Tees (23 11 33 00-0011)		
23 11 33 00-0031	EA 2" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	219.83 -137.06	121.91
23 11 33 00-0032	EA 3" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	267.28 -165.06	146.83
23 11 33 00-0033	EA 4" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	307.69 -191.21	170.06
23 11 33 00-0034	EA 5" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	370.16 -223.15	202.01
23 11 33 00-0035	EA 6" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	424.43 -248.94	221.37
23 11 33 00-0036	EA 8" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	529.24 -308.69	274.51
23 11 33 00-0037	EA 10" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	721.00 -373.41	332.05
23 11 33 00-0038	EA 12" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	916.55 -453.95	403.71
23 11 33 00-0039	Fiberglass Reinforced Plastic Flanged Wyes (23 11 33 00-0011)		
23 11 33 00-0040	EA 2" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	244.94 -137.06	121.91
23 11 33 00-0041	EA 3" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	302.94 -164.86	146.61
23 11 33 00-0042	EA 4" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	353.31 -191.20	170.06
23 11 33 00-0043	EA 5" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	409.03 -223.15	202.01
23 11 33 00-0044	EA 6" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	456.53 -248.94	221.37
23 11 33 00-0045	EA 8" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	579.99 -308.69	274.51
23 11 33 00-0046	EA 10" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	785.01 -373.41	332.05
23 11 33 00-0047	EA 12" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	986.33 -453.95	403.71
23 11 33 00-0048	Fiberglass Reinforced Plastic Flanged Concentric Reducers (23 11 33 00-0011)		
23 11 33 00-0049	EA 2" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	153.25 -91.37	81.24
23 11 33 00-0050	EA 3" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	189.52 -109.64	97.55
23 11 33 00-0051	EA 4" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	215.33 -127.46	113.41
23 11 33 00-0052	EA 5" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	250.71 -148.70	134.71
23 11 33 00-0053	EA 6" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	279.97 -165.36	147.07
23 11 33 00-0054	EA 8" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	358.54 -206.71	183.78
23 11 33 00-0055	EA 10" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	442.31 -248.94	221.37
23 11 33 00-0056	EA 12" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	571.50 -308.69	274.51
23 11 33 00-0057	Fiberglass Reinforced Plastic Bell x Male Or Female Adapters (23 11 33 00-0011)		
23 11 33 00-0058	EA 2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	142.03 -91.37	81.24
23 11 33 00-0059	EA 3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	168.09 -109.64	97.55
23 11 33 00-0060	EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	193.92 -127.46	113.41
23 11 33 00-0061	EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	229.74 -148.70	134.71
23 11 33 00-0062	EA 6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	259.45 -165.36	147.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0063	EA		8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	302.00 -206.71	183.78
23 11 33 00-0064	EA		10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	369.84 -248.94	221.37
23 11 33 00-0065	EA		12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	494.03 -308.69	274.51
23 11 33 00-0066			Fiberglass Reinforced Plastic Nipples (23 11 33 00-0011)		
23 11 33 00-0067	EA		2" x 6" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	20.20 -10.97	9.75
23 11 33 00-0068	EA		2" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	40.32 -21.87	19.48
23 11 33 00-0069	EA		3" x 8" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	46.82 -16.83	14.95
23 11 33 00-0070	EA		3" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	58.18 -23.18	20.62
23 11 33 00-0071	EA		4" x 8" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	48.91 -16.54	14.67
23 11 33 00-0072	EA		4" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	64.06 -24.80	22.05
23 11 33 00-0073	EA		6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	75.85 -27.28	24.69
23 11 33 00-0074	EA		6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	87.67 -29.80	26.46
23 11 33 00-0075	EA		8" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	66.39 -34.73	30.87
23 11 33 00-0076	EA		8" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	92.88 -49.58	44.09
23 11 33 00-0077	EA		10" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	87.17 -35.30	31.42
23 11 33 00-0078	EA		10" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	130.71 -52.85	46.97
23 11 33 00-0079	EA		12" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	96.71 -36.41	32.41
23 11 33 00-0080	EA		12" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	133.90 -54.60	48.51
23 11 33 00-0081			Fiberglass Reinforced Plastic Sleeve Couplings (23 11 33 00-0011)		
23 11 33 00-0082	EA		2" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	126.94 -91.37	81.24
23 11 33 00-0083	EA		3" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	152.43 -109.64	97.55
23 11 33 00-0084	EA		4" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	176.98 -127.46	113.41
23 11 33 00-0085	EA		5" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	207.98 -148.70	134.71
23 11 33 00-0086	EA		6" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	232.88 -165.36	147.07
23 11 33 00-0087	EA		8" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	293.79 -206.71	183.78
23 11 33 00-0088	EA		10" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	359.61 -248.94	221.37
23 11 33 00-0089	EA		12" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	444.23 -308.69	274.51
23 11 33 00-0090			Fiberglass Reinforced Plastic Flanges (23 11 33 00-0011)		
23 11 33 00-0091	EA		2" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	127.59 -91.37	81.24
23 11 33 00-0092	EA		3" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	153.28 -109.64	97.55
23 11 33 00-0093	EA		4" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	174.66 -123.80	110.13
23 11 33 00-0094	EA		5" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	205.79 -144.70	131.08
23 11 33 00-0095	EA		6" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	236.60 -165.36	147.07
23 11 33 00-0096	EA		8" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	285.73 -197.87	175.95
23 11 33 00-0097	EA		10" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	365.40 -248.94	221.37
23 11 33 00-0098	EA		12" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	467.37 -308.69	274.51
23 11 33 00-0099			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings (23 11 33)		
23 11 33 00-0100			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing (23 11 33 00-0099)		
23 11 33 00-0101	LF		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	68.49 -81.36	35.01
23 11 33 00-0102	LF		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	81.36 -113.84	41.47
23 11 33 00-0103	LF		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	113.84 -151.93	61.18
23 11 33 00-0104	LF		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	151.93 -194.97	79.31
23 11 33 00-0105	LF		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	194.97 -274.51	94.81

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 11 33 00-0106	LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	245.62	112.45
23 11 33 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	311.62	141.89
23 11 33 00-0108		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings (23 11 33 00-0099)		
23 11 33 00-0109		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows (23 11 33 00-0108)		
23 11 33 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	990.00	433.25
23 11 33 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,165.56	520.03
23 11 33 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,402.41	604.33
23 11 33 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,122.66	784.17
23 11 33 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	3,090.20	980.40
23 11 33 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	3,995.88	1,179.51
23 11 33 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	5,198.52	1,460.63
23 11 33 00-0117		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows (23 11 33 00-0108)		
23 11 33 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	990.74	433.25
23 11 33 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,164.26	520.03
23 11 33 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,401.40	604.33
23 11 33 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,116.66	784.17
23 11 33 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,081.51	980.40
23 11 33 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,984.75	1,180.06
23 11 33 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	5,187.36	1,463.94
23 11 33 00-0125		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees (23 11 33 00-0108)		
23 11 33 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	1,434.91	649.87
23 11 33 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	1,760.34	783.23
23 11 33 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	2,014.59	906.95
23 11 33 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	2,918.69	1,180.60
23 11 33 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	3,655.83	1,463.94
23 11 33 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	5,422.29	1,768.87
23 11 33 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	7,080.65	2,144.69
23 11 33 00-0133		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes (23 11 33 00-0108)		
23 11 33 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	1,746.66	649.87
23 11 33 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	2,205.08	782.32
23 11 33 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	2,581.38	906.95
23 11 33 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	3,317.16	1,180.60
23 11 33 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	4,285.99	1,463.94
23 11 33 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	6,217.13	1,768.87
23 11 33 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	7,947.07	2,144.69
23 11 33 00-0141		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers (23 11 33 00-0108)		
23 11 33 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,039.75	433.25
23 11 33 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,317.69	520.03
23 11 33 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,469.54	604.33
23 11 33 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,914.37	784.17
23 11 33 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	2,499.58	980.40
23 11 33 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	3,139.01	1,179.51
23 11 33 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	4,175.55	1,460.63

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

23 11 33 00-0149			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters <small>(23 11 33 00-0108)</small>		
23 11 33 00-0150	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	900.43	433.25
23 11 33 00-0151	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,051.62	520.03
23 11 33 00-0152	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,203.72	604.33
23 11 33 00-0153	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,659.58	784.17
23 11 33 00-0154	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,797.58	980.40
23 11 33 00-0155	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	2,239.18	1,179.51
23 11 33 00-0156	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	3,213.63	1,460.63

23 11 33 00-0157			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples <small>(23 11 33 00-0108)</small>		
23 11 33 00-0158	EA		2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	147.25	52.01
23 11 33 00-0159	EA		2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	294.08	103.79
23 11 33 00-0160	EA		3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	422.42	79.76
23 11 33 00-0161	EA		3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	503.48	109.91
23 11 33 00-0162	EA		4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	451.15	78.38
23 11 33 00-0163	EA		4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	561.23	117.63
23 11 33 00-0164	EA		6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	807.15	141.34
23 11 33 00-0165	EA		8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	496.36	164.71
23 11 33 00-0166	EA		8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	685.07	235.15
23 11 33 00-0167	EA		10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	748.99	167.35
23 11 33 00-0168	EA		10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,123.72	250.69
23 11 33 00-0169	EA		12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	856.88	172.64
23 11 33 00-0170	EA		12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,147.02	258.97

23 11 33 00-0171			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges <small>(23 11 33 00-0108)</small>		
23 11 33 00-0172	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	999.40	587.16
23 11 33 00-0173	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,375.80	784.17
23 11 33 00-0174	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,679.18	938.61
23 11 33 00-0175	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,184.02	1,179.51
23 11 33 00-0176	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,882.64	1,460.63

23 12 Facility Fuel Pumps (23 10)

23 12 13 Facility Fuel-Oil Pumps (23 12)

23 12 13 00-0001			Cast Iron Internal Gear Rotary Pump <small>(23 12 13)</small>		
Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.					

23 12 13 00-0002			10 GPM 1" Discharge <small>(23 12 13 00-0001)</small>		
23 12 13 00-0003	EA		10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge.....	997.61	348.79
23 12 13 00-0004	EA		10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge.....	1,082.86	422.16
23 12 13 00-0005	EA		10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge.....	1,211.94	501.54

23 12 13 00-0006			25 GPM 1-1/4" Discharge <small>(23 12 13 00-0001)</small>		
23 12 13 00-0007	EA		25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge.....	1,173.90	348.79
23 12 13 00-0008	EA		25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge.....	1,251.24	422.16
23 12 13 00-0009	EA		25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge.....	1,328.37	501.54

23 12 13 00-0010			Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI <small>(23 12 13)</small>		
23 12 13 00-0011	EA		1/4 HP Pump Fuel Oil/Diesel.....	791.35	195.44
23 12 13 00-0012	EA		1/3 HP Pump Fuel Oil/Diesel.....	917.73	218.90
23 12 13 00-0013	EA		1/2 HP Pump Fuel Oil/Diesel.....	1,010.42	245.35
23 12 13 00-0014	EA		3/4 HP Pump Fuel Oil/Diesel.....	1,112.75	276.63
23 12 13 00-0015	EA		1 HP Pump Fuel Oil/Diesel.....	1,470.78	307.90
23 12 13 00-0016	EA		1-1/2 HP Pump Fuel Oil/Diesel.....	1,761.67	344.58
23 12 13 00-0017	EA		2 HP Pump Fuel Oil/Diesel.....	1,957.20	386.07
23 12 13 00-0018	EA		3 HP Pump Fuel Oil/Diesel.....	2,341.07	431.78
23 12 13 00-0019	EA		5 HP Pump Fuel Oil/Diesel.....	2,730.63	484.10
23 12 13 00-0020	EA		7.5 HP Pump Fuel Oil/Diesel.....	3,058.49	543.03
23 12 13 00-0021	EA		10 HP Pump Fuel Oil/Diesel.....	3,428.78	608.70

23 12 23 Facility Natural-Gas Pumps (23 12)

23 12 23 00-0001			Natural Gas Booster Pump <small>(23 12 23)</small>		
23 12 23 00-0002	EA		Natural Gas Booster Pump, 3/4" Outlet Size.....	849.96	180.41
23 12 23 00-0003	EA		Natural Gas Booster Pump, 1" Outlet Size.....	996.33	201.45
23 12 23 00-0004	EA		Natural Gas Booster Pump, 1-1/4" Outlet Size.....	1,102.52	210.48

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 12 Facility Fuel Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	1,232.78	219.50
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	1,373.13	225.51

23 13 Facility Fuel-Storage Tanks (23 10)**23 13 13 Facility Underground Fuel-Oil, Storage Tanks** (23 13)**23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks** (23 13 13)**23 13 13 13-0001 Coated Underground Double Wall Storage Tanks** (23 13 13 13)

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	9,071.84	797.81
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	9,757.16	797.81
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	13,992.67	997.20
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	19,562.87	1,947.79
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	30,739.03	2,504.16
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	34,303.56	2,876.10
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	37,509.88	3,802.80
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	38,891.81	4,082.96
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	47,356.78	4,823.51
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	54,830.12	5,563.56
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	69,453.94	6,118.20
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	82,456.61	7,428.47
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	85,316.61	7,883.54
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	106,628.33	12,504.94
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	131,623.90	16,215.84
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	154,704.02	18,553.87
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	196,281.06	19,945.41
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	261,402.13	20,456.88

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)**23 13 13 23-0001 Underground Fiberglass Storage Tanks** (23 13 13 23)**23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks** (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	3,259.00	797.81
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,090.75	997.20
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,316.47	1,233.83
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	6,088.78	1,502.87
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	6,852.34	1,762.61
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,420.22	2,319.24
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	10,412.61	3,525.24
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	12,001.75	4,452.93
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	14,222.99	5,009.55
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	16,178.42	5,937.24
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	20,511.75	7,050.47
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	25,348.36	8,813.09
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	32,263.86	11,781.71
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	46,800.47	14,657.56
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	57,045.82	17,626.18
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	81,845.32	25,511.57
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	114,576.22	32,469.28

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	5,956.75	797.81
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	7,824.34	997.20
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	9,385.84	1,206.00
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	12,301.30	1,762.74
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	13,982.70	2,319.24
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	16,527.55	3,525.24
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	18,661.59	4,452.93
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	22,699.15	5,009.55
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	24,654.58	5,937.24
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	29,744.71	7,050.47
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	40,522.20	8,813.09
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	50,578.42	11,781.71
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	77,782.14	17,626.18

23 13 13 23-0034 Underground Storage Tank Pump Enclosures (23 13 13 23)

23 13 13 23-0035	EA	Secondary Containment Collar	681.29	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	681.29	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	136.26	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	272.52	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	340.64	

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

23 13 13 23-0040			Rehabilitation Of Fiberglass Reinforced Polyester (FRP) Lining Tanks <small>(23 13 13)</small>		
			<small>23)</small> Note: Fiberglass Reinforced Plastic Tanks (Sodium Hypochlorite Storage Tanks).		
23 13 13 23-0041	DAY		Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Inspection, Two Man Crew With Confined Space Certification, Maximum Of Two Tanks Per Day, 10 Hour Day.....	1,300.00	
			Note: Includes inspection report and repair estimate.		
23 13 13 23-0042	SF		Fiberglass Reinforced Polyester (FRP) Storage Tank, Interior Lining Repairs, Inner Surface And Interior Layer Repair.....	59.34	
			Note: 50 SF minimum.		
23 13 13 23-0043	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 24" Diameter Manway.....	5,236.08	
23 13 13 23-0044	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 30" Diameter Manway.....	7,785.96	
23 13 13 23-0045	SF		Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Replacement	72.17	
			Note: Includes sandblasting, priming, lining and top coating. Excludes disposal of sandblasting sand.		
23 13 13 23-0046	LF		Fiberglass Reinforced Polyester (FRP) Storage Tank, Seam Repair	153.96	
			Note: Circumference of a tank knuckle (FT) = tank diameter (FT) x 3.14.		
23 13 13 23-0047	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Non Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,312.54	
			<i>For Additional Flange Installation During The Same Day, Add</i>	142.00	
23 13 13 23-0048	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Non Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,330.18	
			<i>For Additional Flange Installation During The Same Day, Add</i>	153.00	
23 13 13 23-0049	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Non Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,367.06	
			<i>For Additional Flange Installation During The Same Day, Add</i>	176.00	
23 13 13 23-0050	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Non Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,463.28	
			<i>For Additional Flange Installation During The Same Day, Add</i>	236.00	
23 13 13 23-0051	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Non Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,498.56	
			<i>For Additional Flange Installation During The Same Day, Add</i>	318.00	
23 13 13 23-0052	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Non Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,684.59	
			<i>For Additional Flange Installation During The Same Day, Add</i>	374.00	
23 13 13 23-0053	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,480.92	
			<i>For Additional Flange Installation During The Same Day, Add</i>	247.00	
			<i>For Blade Gusseted Outlet, Add</i>	372.14	
23 13 13 23-0054	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,506.58	
			<i>For Additional Flange Installation During The Same Day, Add</i>	263.00	
			<i>For Blade Gusseted Outlet, Add</i>	375.99	
23 13 13 23-0055	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,583.56	
			<i>For Additional Flange Installation During The Same Day, Add</i>	135.00	
			<i>For Blade Gusseted Outlet, Add</i>	387.53	
23 13 13 23-0056	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,743.93	
			<i>For Additional Flange Installation During The Same Day, Add</i>	175.00	
			<i>For Blade Gusseted Outlet, Add</i>	411.59	
23 13 13 23-0057	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,843.36	
			<i>For Additional Flange Installation During The Same Day, Add</i>	215.00	
			<i>For Blade Gusseted Outlet, Add</i>	426.50	
23 13 13 23-0058	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	3,101.56	
			<i>For Additional Flange Installation During The Same Day, Add</i>	260.00	
			<i>For Blade Gusseted Outlet, Add</i>	465.23	
23 13 13 23-0059	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Full Bottom Drain Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	4,626.67	
			<i>For Blade Gusseted Outlet, Add</i>	694.00	
23 13 13 23-0060	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/8" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,237.16	
			<i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i>	100.00	
			<i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i>	200.00	
			<i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	300.00	
23 13 13 23-0061	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 1/2" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,237.16	
			<i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i>	100.00	
			<i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i>	200.00	
			<i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	300.00	
23 13 13 23-0062	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/4" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,237.16	
			<i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i>	100.00	
			<i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i>	200.00	
			<i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	300.00	
23 13 13 23-0063	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,237.16	
			<i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i>	100.00	
			<i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i>	200.00	
			<i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	300.00	
23 13 13 23-0064	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,237.16	
			<i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i>	100.00	
			<i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i>	200.00	
			<i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	300.00	
23 13 13 23-0065	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,237.16	
			<i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i>	100.00	
			<i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i>	200.00	
			<i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	300.00	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 13 13 23-0066	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2-1/2" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,317.35	
		<i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i>	145.00	
		<i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i>	270.00	
		<i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	435.00	
23 13 13 23-0067	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,317.35	
		<i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i>	145.00	
		<i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i>	270.00	
		<i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	435.00	
23 13 13 23-0068	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,317.35	
		<i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i>	145.00	
		<i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i>	270.00	
		<i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	435.00	

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks (23 13)**23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)****23 13 23 13-0001 Rectangle Double Wall Steel Fuel Day Tank (23 13 23 13)**

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank; Tramont TRX	1,087.87	156.81
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank; Tramont TRX	1,166.70	164.65
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank; Tramont TRX	1,265.53	176.40
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank; Tramont TRX	1,448.03	188.17
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank; Tramont TRX	1,609.07	196.01
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank; Tramont TRX	1,898.61	235.22
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank; Tramont TRX	2,537.87	274.41
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank; Tramont TRX	3,198.08	313.61
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank; Tramont TRX	4,082.46	352.82
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank; Tramont TRX	4,549.86	392.02
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank; Tramont TRX	5,215.61	470.42
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank; Tramont TRX	5,851.46	548.83
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank; Tramont TRX	6,505.26	627.23
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank; Tramont TRX	7,207.32	666.43
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank; Tramont TRX	7,913.85	705.64
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank; Tramont TRX	8,714.54	744.83
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank; Tramont TRX	9,416.59	784.03
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank; Tramont TRX	10,514.93	940.84
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank; Tramont TRX	11,343.59	1,019.25
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank; Tramont TRX	12,473.32	1,176.06
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank; Tramont TRX	13,607.52	1,332.86
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	1,306.09	156.81
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	1,386.41	164.65
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	1,485.24	176.40
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	1,666.25	188.17
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	1,827.29	196.01
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	2,118.32	235.22
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	2,778.51	274.41
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	3,438.71	313.61
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	4,323.10	352.82
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	4,790.50	392.02
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	5,456.24	470.42
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	6,092.10	548.83
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,745.90	627.23
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,447.95	666.43
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,154.49	705.64
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,956.67	744.83
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,658.72	784.03
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,755.56	940.84
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,584.22	1,019.25
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,713.95	1,176.06
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,848.16	1,332.86
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,132.62	156.81
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,203.98	164.65
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,269.92	176.40
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,510.72	188.17
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,603.00	196.01
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,883.57	235.22
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,467.53	274.41
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,363.89	313.61
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,907.50	352.82
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,388.26	392.02
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,230.37	470.42
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,749.64	548.83
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,445.29	627.23
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,115.96	666.43
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,995.87	705.64
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,370.59	744.83
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,707.95	784.03
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,265.14	940.84
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,746.95	1,019.25
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,393.82	1,176.06
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,066.10	1,332.86
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,119.07	156.81
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,190.43	164.65
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,256.38	176.40
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,497.17	188.17
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,589.46	196.01
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,870.02	235.22
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,453.99	274.41
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,350.34	313.61
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,959.72	352.82
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,030.95	392.02
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,873.06	470.42
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,393.83	548.83
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,087.98	627.23
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,760.14	666.43

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23	13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,638.56	705.64
23 13 23	13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,013.28	744.83
23 13 23	13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,350.64	784.03
23 13 23	13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,907.83	940.84
23 13 23	13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,391.14	1,019.25
23 13 23	13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,036.52	1,176.06
23 13 23	13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,708.79	1,332.86
23 13 23	13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,670.59	156.81
23 13 23	13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,749.42	164.65
23 13 23	13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,816.86	176.40
23 13 23	13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,065.13	188.17
23 13 23	13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,199.27	196.01
23 13 23	13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,455.92	235.22
23 13 23	13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,062.31	274.41
23 13 23	13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,000.51	313.61
23 13 23	13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,563.55	352.82
23 13 23	13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,101.10	392.02
23 13 23	13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,985.06	470.42
23 13 23	13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,458.01	548.83
23 13 23	13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,243.33	627.23
23 13 23	13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,051.50	666.43
23 13 23	13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,864.16	705.64
23 13 23	13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,282.22	744.83
23 13 23	13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,597.17	784.03
23 13 23	13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,221.61	940.84
23 13 23	13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,773.67	1,019.25
23 13 23	13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,490.79	1,176.06
23 13 23	13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,230.32	1,332.86
23 13 23	13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,657.05	156.81
23 13 23	13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,735.88	164.65
23 13 23	13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,803.32	176.40
23 13 23	13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,051.59	188.17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0111	EA		60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,185.72	196.01
23 13 23 13-0112	EA		75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,439.39	235.22
23 13 23 13-0113	EA		100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,048.76	274.41
23 13 23 13-0114	EA		150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,986.96	313.61
23 13 23 13-0115	EA		200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,550.01	352.82
23 13 23 13-0116	EA		275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,743.79	392.02
23 13 23 13-0117	EA		300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,627.76	470.42
23 13 23 13-0118	EA		350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,250.16	548.83
23 13 23 13-0119	EA		400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,886.02	627.23
23 13 23 13-0120	EA		450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,694.20	666.43
23 13 23 13-0121	EA		500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,506.85	705.64
23 13 23 13-0122	EA		550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,924.91	744.83
23 13 23 13-0123	EA		600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,241.35	784.03
23 13 23 13-0124	EA		700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,864.30	940.84
23 13 23 13-0125	EA		800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,416.36	1,019.25
23 13 23 13-0126	EA		900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,133.48	1,176.06
23 13 23 13-0127	EA		1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,873.01	1,332.86
23 13 23 13-0128	EA		150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,078.13	156.81
23 13 23 13-0129	EA		150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,166.17	164.65
23 13 23 13-0130	EA		150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,264.69	176.40
23 13 23 13-0131	EA		150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,440.14	188.17
23 13 23 13-0132	EA		150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	1,893.17	196.01
23 13 23 13-0133	EA		150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	1,958.51	235.22
23 13 23 13-0134	EA		150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,453.94	274.41
23 13 23 13-0135	EA		150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,026.31	313.61
23 13 23 13-0136	EA		150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	3,951.83	352.82
23 13 23 13-0137	EA		150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	4,944.44	392.02
23 13 23 13-0138	EA		150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	5,935.30	470.42
23 13 23 13-0139	EA		150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	6,395.45	548.83
23 13 23 13-0140	EA		150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	6,857.58	627.23
23 13 23 13-0141	EA		150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	7,520.71	666.43
23 13 23 13-0142	EA		150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	8,185.81	705.64
23 13 23 13-0143	EA		150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	8,766.09	744.83
23 13 23 13-0144	EA		150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	9,352.26	784.03
23 13 23 13-0145	EA		150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	10,604.01	940.84
23 13 23 13-0146	EA		150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	11,760.59	1,019.25
23 13 23 13-0147	EA		150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	13,079.42	1,176.06
23 13 23 13-0148	EA		150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	14,354.84	1,332.86
23 13 23 13-0149	EA		200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,136.57	164.65
23 13 23 13-0150	EA		200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,235.32	176.40
23 13 23 13-0151	EA		200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,338.21	188.17
23 13 23 13-0152	EA		200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,515.80	196.01
23 13 23 13-0153	EA		200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,045.54	235.22
23 13 23 13-0154	EA		200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,110.87	274.41
23 13 23 13-0155	EA		200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,630.20	313.61
23 13 23 13-0156	EA		200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,230.74	352.82
23 13 23 13-0157	EA		200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,204.05	392.02
23 13 23 13-0158	EA		200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,248.17	431.22
23 13 23 13-0159	EA		200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,286.82	509.62
23 13 23 13-0160	EA		200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	6,765.28	588.02
23 13 23 13-0161	EA		200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,245.82	666.43
23 13 23 13-0162	EA		200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	7,942.16	705.64
23 13 23 13-0163	EA		200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	8,640.58	744.83
23 13 23 13-0164	EA		200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	9,249.47	784.03

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	9,929.91	862.44
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	11,236.67	1,019.25
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	12,580.93	1,176.06
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	13,958.50	1,332.86
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	15,290.25	1,489.67
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,233.99	156.81
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,341.76	164.65
23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,452.12	176.40
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,667.03	188.17
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,204.89	196.01
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,270.23	235.22
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	2,836.68	274.41
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	3,501.79	313.61
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	4,588.55	352.82
23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	5,804.63	392.02
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	6,971.08	470.42
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	7,492.39	548.83
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	8,017.65	627.23
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	8,805.08	666.43
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	9,594.47	705.64
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	10,267.46	744.83
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	10,956.24	784.03
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	12,415.14	940.84
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	13,780.85	1,019.25
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	15,306.84	1,176.06
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	16,789.41	1,332.86
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,301.09	164.65
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,420.66	176.40
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,536.05	188.17
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,755.29	196.01
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,374.58	235.22
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,439.91	274.41
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,034.21	313.61
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	3,732.62	352.82
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	4,876.14	392.02
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,156.14	431.22
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	7,380.15	509.62
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	7,923.16	588.02
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	8,470.34	666.43
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	9,297.88	705.64
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	10,127.49	744.83
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	10,834.25	784.03
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	11,622.99	862.44
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	13,148.42	1,019.25
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	14,713.43	1,176.06
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	16,309.66	1,332.86
23 13 23 13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	17,860.08	1,489.67

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**23 13 23 16-0001 Single Wall Aboveground Storage Tanks (23 13 23 16)**

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0002	EA	300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	3,200.62	852.25
23 13 23 16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	3,852.71	1,031.65
23 13 23 16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,199.44	1,406.89
23 13 23 16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,679.93	1,758.61
23 13 23 16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	8,155.73	2,279.53
23 13 23 16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	11,535.26	2,346.57
23 13 23 16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	16,413.53	2,901.20
23 13 23 16-0009	EA	8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	22,078.44	3,324.23
23 13 23 16-0010	EA	10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	26,079.90	3,626.41
23 13 23 16-0011	EA	12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	30,119.80	3,989.08
23 13 23 16-0012	EA	15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	33,354.25	4,432.27
23 13 23 16-0013	EA	20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	41,776.02	5,698.64
23 13 23 16-0014	EA	30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	56,273.05	6,648.47

23 13 23 16-0015 Double Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0016	EA	300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,874.81	1,063.42
23 13 23 16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,864.06	1,286.86
23 13 23 16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	7,910.44	1,758.61
23 13 23 16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	10,190.54	2,198.26
23 13 23 16-0020	EA	2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	12,307.00	2,849.38
23 13 23 16-0021	EA	3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	17,926.57	2,933.12
23 13 23 16-0022	EA	5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	25,748.73	3,613.30
23 13 23 16-0023	EA	8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	35,002.80	4,155.33

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

23 13 23 16-0024	EA	10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	41,524.55	4,533.08
23 13 23 16-0025	EA	12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	48,074.86	4,986.29
23 13 23 16-0026	EA	15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	53,228.64	5,540.43
23 13 23 16-0027	EA	20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	66,581.33	7,123.33
23 13 23 16-0028	EA	30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	90,295.17	8,310.52

23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)				
23 13 23 19-0002	EA	Steel Dike For 550 Gallon Tank, Uncoated.....	3,226.01	
23 13 23 19-0003	EA	Steel Dike For 1,000 Gallon Tank, Uncoated.....	3,902.72	
23 13 23 19-0004	EA	Steel Dike For 2,000 Gallon Tank, Uncoated.....	8,386.83	
23 13 23 19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated.....	9,221.04	
23 13 23 19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated.....	13,037.62	
23 13 23 19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated.....	14,604.37	
23 13 23 19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated.....	19,245.96	
23 13 23 19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated.....	22,611.22	
23 13 23 19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated.....	25,661.32	
23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated.....	31,260.78	
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated.....	39,975.53	

23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)				
Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overflow containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.				
23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank.....	18,396.48	1,725.39
		<i>For Low Profile Tanks, Add</i>	6,395.59	
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank.....	23,029.42	1,947.79
		<i>For Low Profile Tanks, Add</i>	8,124.63	
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank.....	40,152.85	2,319.24
		<i>For Low Profile Tanks, Add</i>	14,766.68	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank.....	64,513.48	5,101.21
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank.....	73,510.28	5,571.35
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank.....	82,608.25	6,016.65
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank.....	91,678.35	6,528.86
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank.....	100,740.10	6,949.66

23 13 23 26-0010 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)

23 13 23 26-0011 Aboveground Concrete Vaulted Storage Tank (23 13 23 26-0010)				
Note: Convault tank with 20 year warranty Includes vents, clock gauge, fill limited, 7 gallon overfills, slick port, and complete sign package.				
23 13 23 26-0012	EA	500 Gallon Concrete Vaulted Tank.....	13,607.79	
23 13 23 26-0013	EA	1000 Gallon Concrete Vaulted Tank.....	18,177.54	
23 13 23 26-0014	EA	2000 Gallon Concrete Vaulted Tank.....	29,141.74	
23 13 23 26-0015	EA	Dual 500 Gallon Concrete Vaulted Tank.....	23,189.68	
23 13 23 26-0016	EA	Split 1,000 Gallon Concrete Vaulted Tank.....	23,189.68	
23 13 23 26-0017	EA	Dual 1,000 Gallon Concrete Vaulted Tank.....	32,205.73	
23 13 23 26-0018	EA	Split 2,000 Gallon Concrete Vaulted Tank.....	32,205.73	

23 13 23 26-0019 Accessories For Aboveground Concrete Vaulted Storage Tank (23 13 23 26-0010)

23 13 23 26-0020 Pumps (23 13 23 26-0019)				
23 13 23 26-0021	EA	Astra 3/4 HP Suction Pump For Gas With Hose, Nozzle Swivel, Breakaway And Ball Valve.....	6,744.74	
23 13 23 26-0022	EA	Astra 3/4 HP Suction Pump For Diesel With Hose, Nozzle Swivel, Breakaway And Ball Valve.....	6,993.44	
23 13 23 26-0023	EA	Astra 3/4 HP Suction Pump For Vapor With Hose, Nozzle Swivel, Breakaway And Ball Valve.....	7,625.14	

23 13 23 26-0024 Monitor (23 13 23 26-0019)

23 13 23 26-0025	EA	Electronic High Level / Leak Monitoring System For Single Compartment Tank.....	2,085.76	
23 13 23 26-0026	EA	Electronic High Level / Leak Monitoring System For Dual/Split Compartment Tank.....	2,903.16	
23 13 23 26-0027	EA	Electronic Gauging Including High/Leak Monitoring For Single Compartment Tank.....	6,267.24	
23 13 23 26-0028	EA	Electronic Gauging Including High/Leak Monitoring For Dual/Split Compartment Tank.....	8,687.92	

23 13 23 26-0029 Heaters (23 13 23 26-0019)

23 13 23 26-0030	EA	Bung Heater For 500 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1.....	3,576.31	
23 13 23 26-0031	EA	Bung Heater For 1,000 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1.....	3,629.36	
23 13 23 26-0032	EA	Bung Heater For 2,000 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1.....	3,690.71	

23 13 23 26-0033 Fuel Management (23 13 23 26-0019)

23 13 23 26-0034	EA	TopKat Fuel Management Key System (50) Keys Direct Connection With Windows Software.....	10,777.00	
23 13 23 26-0035	EA	TopKat Fuel Management Key System (50) Keys Modern Connection With Windows Software.....	11,440.20	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13)**

23 13 33 00-0001 EPA Requirements (23 13 33)			
23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon).....	587.58
23 13 33 00-0003	EA	Over-Fill Prevention Valve.....	600.98
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass.....	1,875.32
23 13 33 00-0005	EA	Tank Manway With Cover, Steel.....	2,174.79
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent).....	120.22
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level.....	288.03
23 13 33 00-0008	EA	Manhole Spill Containment.....	1,095.78
23 13 33 00-0009	EA	Fill Adapter, 4".....	290.87
23 13 33 00-0010	EA	Fill Cap, 4".....	191.21
23 13 33 00-0011	EA	Vent Cap, 2".....	119.78
23 13 33 00-0012	EA	4" X 2" Extractor Fitting.....	311.88
23 13 33 00-0013	EA	Float Vent Valve.....	345.06
23 13 33 00-0014	EA	Vapor Hose Adapter.....	326.65
23 13 33 00-0015	EA	Dust Cap.....	152.25
23 13 33 00-0016	EA	1" Double Poppet Foot Valve.....	295.88
23 13 33 00-0017	EA	10" Wood Gage Stick.....	19.30
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT.....	104.51
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet.....	134.33
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent.....	66.13
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent.....	83.94
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent.....	121.89
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent.....	536.39
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set.....	1,210.65
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set.....	1,422.92
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set.....	1,555.92
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set.....	1,709.55
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set.....	2,381.39
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set.....	2,916.17
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set.....	3,232.08
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set.....	3,940.99
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set.....	4,645.39
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set.....	5,200.57
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set.....	5,992.97

23 13 33 00-0035 Tank Bulkhead Fittings (23 13 33)**23 13 33 00-0036 Tank Bulkhead Fittings (23 13 33 00-0035)****23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)**

23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	42.67
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	47.61
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	52.31
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	62.18
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	64.64
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	82.58
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	125.74
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	212.41

23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	48.52
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	53.44
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	58.37
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	71.60
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	76.53
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	93.35
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	140.10
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	232.81

23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	49.85
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	57.26
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	64.43
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	82.35
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	105.45
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	159.62
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	244.94

23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	57.27
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	67.13
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread.....	81.69
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	98.51
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	100.97
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread.....	141.10

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

23 13 33 00-0070 EA 3" Polypropylene Bulkhead Fitting, Thread x Thread.....	245.72	
23 13 33 00-0071 EA 4" Polypropylene Bulkhead Fitting, Thread x Thread.....	431.07	

23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0073 EA 3/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	51.87	
23 13 33 00-0074 EA 1" Polyethylene Bulkhead Fitting, Thread x Thread.....	65.48	
23 13 33 00-0075 EA 1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	67.94	
23 13 33 00-0076 EA 1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread.....	70.40	
23 13 33 00-0077 EA 2" Polyethylene Bulkhead Fitting, Thread x Thread.....	95.13	
23 13 33 00-0078 EA 3" Polyethylene Bulkhead Fitting, Thread x Thread.....	118.63	

23 13 33 00-0079 TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0080 EA 1/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	196.56	
23 13 33 00-0081 EA 1/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	224.65	
23 13 33 00-0082 EA 3/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	275.19	
23 13 33 00-0083 EA 1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	316.71	
23 13 33 00-0084 EA 3/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	364.61	
23 13 33 00-0085 EA 1" TFE Teflon Bulkhead Fitting, Thread x Thread.....	458.07	
23 13 33 00-0086 EA 1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	594.02	
23 13 33 00-0087 EA 2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	656.01	

23 13 33 00-0088 Self-Aligning Bulkhead Fittings (23 13 33 00-0035)

23 13 33 00-0089 EA 3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	203.29	
23 13 33 00-0090 EA 1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	204.26	
23 13 33 00-0091 EA 1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	295.78	
23 13 33 00-0092 EA 2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	302.45	
23 13 33 00-0093 EA 3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	405.15	

23 20 HVAC Piping And Pumps (23)

23 21 Hydronic Piping And Pumps (23 20)

23 21 13 Hydronic Piping (23 21)

23 21 13 23 Aboveground Hydronic Piping (23 21 13)

23 21 13 23-0001 Threaded Black Steel Pipe (23 21 13 23)

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies (23 21 13 23-0001)

Note: ASTM A-53. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
23 21 13 23-0003 LF 1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	18.53	4.53
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 4.17		
<i>For Work In Restricted Working Space, Add</i> 4.68		
23 21 13 23-0004 LF 3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	19.80	4.87
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 4.52		
<i>For Work In Restricted Working Space, Add</i> 4.90		
23 21 13 23-0005 LF 1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	21.33	5.33
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 4.93		
<i>For Work In Restricted Working Space, Add</i> 5.16		
23 21 13 23-0006 LF 1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	24.52	5.56
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 5.86		
<i>For Work In Restricted Working Space, Add</i> 5.57		
23 21 13 23-0007 LF 1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	25.48	6.57
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 6.16		
<i>For Work In Restricted Working Space, Add</i> 5.65		
23 21 13 23-0008 LF 2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	29.63	7.93
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 7.27		
<i>For Work In Restricted Working Space, Add</i> 6.36		
23 21 13 23-0009 LF 2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	40.67	9.40
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 10.43		
<i>For Work In Restricted Working Space, Add</i> 7.90		
23 21 13 23-0010 LF 3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	51.02	12.58
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 13.21		
<i>For Work In Restricted Working Space, Add</i> 9.67		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.74 18.38 10.59	14.67
23 21	13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.99 29.27 12.62	18.74
23 21	13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.70 34.75 14.30	22.16
23 21	13 23-0014		Threaded Black Steel Pipe And Fittings <small>(23 21 13 23-0001)</small> Note: ASTM A-53. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21	13 23-0015		Threaded And Coupled, Black Steel Piping <small>(23 21 13 23-0014)</small> Note: ASTM A-53. Includes coupling.		
23 21	13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.60 0.97 1.72	2.83
23 21	13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.33 1.35 2.06	4.53
23 21	13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.21 1.59 2.19	4.87
23 21	13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.47 1.94 2.38	5.33
23 21	13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.79 2.37 2.52	5.56
23 21	13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.92 2.82 2.96	6.57
23 21	13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.26 3.59 3.58	7.93
23 21	13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.58 5.21 4.25	9.40
23 21	13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.90 6.85 5.66	12.58
23 21	13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.52 9.62 6.62	14.67
23 21	13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.95 12.66 8.42	18.74
23 21	13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.07 16.31 9.96	22.16
23 21	13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.91 23.28 12.03	26.79
23 21	13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.61 32.17 14.70	32.63
23 21	13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.81 43.11 19.29	42.89
23 21	13 23-0031		Black Malleable Iron 90 Degree Elbows <small>(23 21 13 23-0014)</small>		
23 21	13 23-0032	EA	3/8", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.64 9.81 0.06 7.55	12.58
23 21	13 23-0033	EA	1/2", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.61 7.57 0.04 9.06	20.17
23 21	13 23-0034	EA	3/4", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.71 8.97 0.05 10.15	22.55
23 21	13 23-0035	EA	1", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.79 14.31 0.08 11.33	25.15
23 21	13 23-0036	EA	1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.03 22.44 0.13 12.83	28.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0037	EA	1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.10 29.03 0.17 14.46	32.17
23 21	13 23-0038	EA	2", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.02 48.75 0.30 18.37	40.91
23 21	13 23-0039	EA	2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.47 105.83 0.67 27.19	60.50
23 21	13 23-0040	EA	3", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.47 154.06 0.98 35.78	79.54
23 21	13 23-0041	EA	4", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	260.09 323.25 2.10 38.59	85.77
23 21	13 23-0042	EA	5", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	518.37 930.04 6.15 40.26	89.52
23 21	13 23-0043	EA	6", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	584.07 1,073.44 7.10 42.09	93.59
23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows (23 21 13 23-0014)					
23 21	13 23-0045	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.25 12.61 0.07 8.31	18.47
23 21	13 23-0046	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.71 13.18 0.08 9.61	21.30
23 21	13 23-0047	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.06 17.51 0.10 8.85	19.71
23 21	13 23-0048	EA	1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.82 16.62 0.10 10.74	23.90
23 21	13 23-0049	EA	1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.50 17.66 0.10 10.20	22.66
23 21	13 23-0050	EA	1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.28 32.63 0.20 9.44	20.96
23 21	13 23-0051	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.38 26.73 0.16 12.08	26.85
23 21	13 23-0052	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.59 29.44 0.18 11.48	25.49
23 21	13 23-0053	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.69 33.89 0.21 10.94	24.36
23 21	13 23-0054	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.78 37.05 0.23 13.64	30.36
23 21	13 23-0055	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.28 36.90 0.23 12.89	28.67
23 21	13 23-0056	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.38 41.73 0.26 12.31	27.30
23 21	13 23-0057	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.44 53.01 0.33 16.42	36.48
23 21	13 23-0058	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.53 59.62 0.38 15.60	34.67

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0059	EA 2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.04 59.47 0.38 14.85	32.97
23 21 13 23-0060	EA 2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.49 62.76 0.40 14.26	31.72
23 21 13 23-0061	EA 2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.79 141.00 0.91 22.78	50.64
23 21 13 23-0062	EA 2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.63 148.65 0.96 20.83	46.34
23 21 13 23-0063	EA 3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	211.35 261.66 1.70 31.49	70.01
23 21 13 23-0064	EA 3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.16 226.00 1.47 27.08	60.16
23 21 13 23-0065	EA 4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	304.18 443.76 2.91 36.70	81.58
23 21 13 23-0066	Black Malleable Iron 45 Degree Elbows <small>(23 21 13 23-0014)</small>		
23 21 13 23-0067	EA 3/8", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.39 14.01 0.08 7.55	12.58
23 21 13 23-0068	EA 1/2", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.17 11.32 0.06 9.06	20.17
23 21 13 23-0069	EA 3/4", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.71 13.77 0.08 10.15	22.55
23 21 13 23-0070	EA 1", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.93 17.05 0.10 11.33	25.15
23 21 13 23-0071	EA 1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.65 28.73 0.17 12.83	28.55
23 21 13 23-0072	EA 1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.69 35.24 0.22 14.46	32.17
23 21 13 23-0073	EA 2", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.62 52.59 0.33 18.37	40.91
23 21 13 23-0074	EA 2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	149.62 146.99 0.94 27.19	60.50
23 21 13 23-0075	EA 3", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.87 191.02 1.23 35.78	79.54
23 21 13 23-0076	EA 4", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.85 368.27 2.40 38.59	85.77
23 21 13 23-0077	EA 5", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	727.61 1,432.21 9.49 40.26	89.52
23 21 13 23-0078	EA 6", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	747.43 1,465.51 9.71 42.09	93.59
23 21 13 23-0079	Black Malleable Iron Tees <small>(23 21 13 23-0014)</small>		
23 21 13 23-0080	EA 3/8", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.49 13.94 0.08 9.44	15.75
23 21 13 23-0081	EA 1/2", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.97 9.95 0.05 11.33	25.15

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0082	EA	3/4", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.18 13.65 0.07 13.07	29.12
23 21	13 23-0083	EA	1", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.37 21.98 0.13 15.45	34.33
23 21	13 23-0084	EA	1-1/4", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.99 34.27 0.20 18.37	40.91
23 21	13 23-0085	EA	1-1/2", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.95 42.43 0.25 21.93	48.72
23 21	13 23-0086	EA	2", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.66 70.29 0.43 27.19	60.50
23 21	13 23-0087	EA	2-1/2", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.50 146.93 0.93 35.78	79.54
23 21	13 23-0088	EA	3", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	227.42 214.39 1.37 42.49	94.49
23 21	13 23-0089	EA	4", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	369.83 507.41 3.32 48.74	108.37
23 21	13 23-0090	EA	5", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	821.29 1,519.64 10.05 57.88	128.66
23 21	13 23-0091	EA	6", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	894.82 1,631.64 10.79 66.14	147.07
23 21 13 23-0092 Black Malleable Iron Reducing Tees (23 21 13 23-0014)					
23 21	13 23-0093	EA	1/2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.22 15.35 0.09 11.33	25.15
23 21	13 23-0094	EA	3/4", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.69 19.68 0.11 13.07	29.12
23 21	13 23-0095	EA	1", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.47 24.62 0.14 15.45	34.33
23 21	13 23-0096	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.87 45.99 0.28 18.37	40.91
23 21	13 23-0097	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.63 51.26 0.31 21.93	48.72
23 21	13 23-0098	EA	2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	118.99 73.48 0.45 27.19	60.50
23 21	13 23-0099	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	207.61 219.20 1.41 35.78	79.54
23 21	13 23-0100	EA	3", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.82 251.35 1.62 42.49	94.49
23 21	13 23-0101	EA	4", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	407.88 598.73 3.93 48.74	108.37
23 21	13 23-0102	EA	5", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	762.16 1,377.73 9.11 57.88	128.66
23 21	13 23-0103	EA	6", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	866.12 1,562.76 10.33 66.14	147.07
23 21 13 23-0104 Black Malleable Iron Couplings (23 21 13 23-0014)					

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 21	13 23-0105	EA 3/8", 150 LB, Black Malleable Iron Coupling.....	29.48	12.58
		For 300 LB Rating, Add	11.83	
		For Standard Weight Cast Iron Fittings, Add	0.07	
		For Work In Restricted Working Space, Add	7.55	
23 21	13 23-0106	EA 1/2", 150 LB, Black Malleable Iron Coupling.....	33.52	20.17
		For 300 LB Rating, Add	9.76	
		For Standard Weight Cast Iron Fittings, Add	0.05	
		For Work In Restricted Working Space, Add	9.06	
23 21	13 23-0107	EA 3/4", 150 LB, Black Malleable Iron Coupling.....	37.70	22.55
		For 300 LB Rating, Add	11.34	
		For Standard Weight Cast Iron Fittings, Add	0.06	
		For Work In Restricted Working Space, Add	10.15	
23 21	13 23-0108	EA 1", 150 LB, Black Malleable Iron Coupling.....	43.58	25.15
		For 300 LB Rating, Add	16.21	
		For Standard Weight Cast Iron Fittings, Add	0.09	
		For Work In Restricted Working Space, Add	11.33	
23 21	13 23-0109	EA 1-1/4", 150 LB, Black Malleable Iron Coupling.....	50.27	28.55
		For 300 LB Rating, Add	20.61	
		For Standard Weight Cast Iron Fittings, Add	0.12	
		For Work In Restricted Working Space, Add	12.83	
23 21	13 23-0110	EA 1-1/2", 150 LB, Black Malleable Iron Coupling.....	58.37	32.17
		For 300 LB Rating, Add	27.28	
		For Standard Weight Cast Iron Fittings, Add	0.16	
		For Work In Restricted Working Space, Add	14.46	
23 21	13 23-0111	EA 2", 150 LB, Black Malleable Iron Coupling.....	76.30	40.91
		For 300 LB Rating, Add	39.82	
		For Standard Weight Cast Iron Fittings, Add	0.24	
		For Work In Restricted Working Space, Add	18.37	
23 21	13 23-0112	EA 2-1/2", 150 LB, Black Malleable Iron Coupling.....	132.20	60.50
		For 300 LB Rating, Add	105.18	
		For Standard Weight Cast Iron Fittings, Add	0.66	
		For Work In Restricted Working Space, Add	27.19	
23 21	13 23-0113	EA 3", 150 LB, Black Malleable Iron Coupling.....	175.45	79.54
		For 300 LB Rating, Add	142.01	
		For Standard Weight Cast Iron Fittings, Add	0.90	
		For Work In Restricted Working Space, Add	35.78	
23 21	13 23-0114	EA 4", 150 LB, Black Malleable Iron Coupling.....	241.78	85.77
		For 300 LB Rating, Add	279.30	
		For Standard Weight Cast Iron Fittings, Add	1.81	
		For Work In Restricted Working Space, Add	38.59	
23 21	13 23-0115	EA 5", 150 LB, Black Malleable Iron Coupling.....	452.84	89.52
		For 300 LB Rating, Add	772.76	
		For Standard Weight Cast Iron Fittings, Add	5.10	
		For Work In Restricted Working Space, Add	40.26	
23 21	13 23-0116	EA 6", 150 LB, Black Malleable Iron Coupling.....	503.31	93.59
		For 300 LB Rating, Add	879.62	
		For Standard Weight Cast Iron Fittings, Add	5.81	
		For Work In Restricted Working Space, Add	42.09	
23 21 13 23-0117 Black Malleable Iron Reducing Couplings (23 21 13 23-0014)				
23 21	13 23-0118	EA 1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	34.32	20.17
		For 300 LB Rating, Add	11.68	
		For Standard Weight Cast Iron Fittings, Add	0.07	
		For Work In Restricted Working Space, Add	9.06	
23 21	13 23-0119	EA 3/4", 150 LB, Black Malleable Iron Reducing Coupling.....	38.17	22.55
		For 300 LB Rating, Add	12.47	
		For Standard Weight Cast Iron Fittings, Add	0.07	
		For Work In Restricted Working Space, Add	10.15	
23 21	13 23-0120	EA 1", 150 LB, Black Malleable Iron Reducing Coupling.....	44.55	25.15
		For 300 LB Rating, Add	18.54	
		For Standard Weight Cast Iron Fittings, Add	0.11	
		For Work In Restricted Working Space, Add	11.33	
23 21	13 23-0121	EA 1-1/4", 150 LB, Black Malleable Iron Reducing Coupling.....	51.47	28.55
		For 300 LB Rating, Add	23.49	
		For Standard Weight Cast Iron Fittings, Add	0.14	
		For Work In Restricted Working Space, Add	12.83	
23 21	13 23-0122	EA 1-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	59.22	32.17
		For 300 LB Rating, Add	29.32	
		For Standard Weight Cast Iron Fittings, Add	0.18	
		For Work In Restricted Working Space, Add	14.46	
23 21	13 23-0123	EA 2", 150 LB, Black Malleable Iron Reducing Coupling.....	77.20	40.91
		For 300 LB Rating, Add	41.98	
		For Standard Weight Cast Iron Fittings, Add	0.26	
		For Work In Restricted Working Space, Add	18.37	
23 21	13 23-0124	EA 2-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	137.81	60.50
		For 300 LB Rating, Add	118.65	
		For Standard Weight Cast Iron Fittings, Add	0.75	
		For Work In Restricted Working Space, Add	27.19	
23 21	13 23-0125	EA 3", 150 LB, Black Malleable Iron Reducing Coupling.....	176.60	79.54
		For 300 LB Rating, Add	144.77	
		For Standard Weight Cast Iron Fittings, Add	0.92	
		For Work In Restricted Working Space, Add	35.78	
23 21	13 23-0126	EA 4", 150 LB, Black Malleable Iron Reducing Coupling.....	243.54	85.77
		For 300 LB Rating, Add	283.53	
		For Standard Weight Cast Iron Fittings, Add	1.84	
		For Work In Restricted Working Space, Add	38.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0127	EA	5", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	392.52 628.00 4.13 40.26	89.52
23 21	13 23-0128	EA	6", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	472.09 804.69 5.31 42.09	93.59
23 21 13 23-0129 Black Malleable Iron Caps (23 21 13 23-0014)					
23 21	13 23-0130	EA	1/2", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.58 6.66 0.04 4.25	9.40
23 21	13 23-0131	EA	3/4", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.38 8.78 0.05 4.53	10.09
23 21	13 23-0132	EA	1", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.40 10.57 0.06 5.23	11.67
23 21	13 23-0133	EA	1-1/4", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.10 13.66 0.08 5.66	12.58
23 21	13 23-0134	EA	1-1/2", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.06 18.36 0.11 5.66	12.58
23 21	13 23-0135	EA	2", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.85 26.61 0.17 7.31	16.20
23 21	13 23-0136	EA	2-1/2", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.26 59.53 0.38 9.06	20.17
23 21	13 23-0137	EA	3", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.01 87.32 0.57 10.96	24.36
23 21	13 23-0138	EA	4", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.92 148.64 0.97 13.23	29.44
23 21	13 23-0139	EA	5", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	200.10 351.26 2.32 16.54	36.82
23 21	13 23-0140	EA	6", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	331.43 641.74 4.25 19.70	43.77
23 21 13 23-0141 Black Malleable Iron Unions (23 21 13 23-0014)					
23 21	13 23-0142	EA	3/8", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	36.79 7.55	12.58
23 21	13 23-0143	EA	1/2", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	48.28 11.33	25.15
23 21	13 23-0144	EA	3/4", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	55.66 13.07	29.12
23 21	13 23-0145	EA	1", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	67.25 15.45	34.33
23 21	13 23-0146	EA	1-1/4", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	83.83 18.37	40.91
23 21	13 23-0147	EA	1-1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	101.27 21.93	48.72
23 21	13 23-0148	EA	2", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	123.39 27.19	60.50
23 21	13 23-0149	EA	2-1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	231.37 40.14	89.17
23 21	13 23-0150	EA	3", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	293.51 52.82	117.26
23 21	13 23-0151	EA	3/8", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	40.52 7.55	12.58
23 21	13 23-0152	EA	1/2", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	55.37 11.33	25.15
23 21	13 23-0153	EA	3/4", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	60.90 13.07	29.12
23 21	13 23-0154	EA	1", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	72.75 15.45	34.33
23 21	13 23-0155	EA	1-1/4", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	96.90 18.37	40.91
23 21	13 23-0156	EA	1-1/2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	114.15 21.93	48.72

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0157	EA	2", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	143.31 27.19	60.50
23 21	13 23-0158	EA	2-1/2", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	298.90 40.14	89.17
23 21	13 23-0159	EA	3", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	369.26 52.82	117.26
23 21	13 23-0160	EA	4", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	532.33 56.96	126.56
23 21	13 23-0161	EA	3/8", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	50.08 7.55	12.58
23 21	13 23-0162	EA	1/2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	57.91 11.33	25.15
23 21	13 23-0163	EA	3/4", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	65.89 13.07	29.12
23 21	13 23-0164	EA	1", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	80.64 15.45	34.33
23 21	13 23-0165	EA	1-1/4", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	108.76 18.37	40.91
23 21	13 23-0166	EA	1-1/2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	122.86 21.93	48.72
23 21	13 23-0167	EA	2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	152.28 27.19	60.50
23 21	13 23-0168	EA	2-1/2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	332.53 40.14	89.17
23 21	13 23-0169	EA	3", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	433.13 52.82	117.26
23 21	13 23-0170	EA	4", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	1,005.81 56.96	126.56
23 21 13 23-0171 Black Steel Nipples <small>(23 21 13 23-0014)</small>					
23 21	13 23-0172	EA	3/8" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.21 0.51 4.86	10.76
23 21	13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.05 0.43 4.86	10.76
23 21	13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.18 0.50 4.86	10.76
23 21	13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.87 0.72 5.23	11.67
23 21	13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.70 0.91 5.66	12.58
23 21	13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.14 1.13 5.66	12.58
23 21	13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.45 1.54 7.31	16.20
23 21	13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.86 4.83 9.06	20.17
23 21	13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.01 5.74 10.96	24.36
23 21	13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.37 8.64 13.23	29.44
23 21	13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.35 0.58 4.86	10.76
23 21	13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.05 0.43 4.86	10.76
23 21	13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.25 0.53 4.86	10.76
23 21	13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.35 0.58 4.86	10.76
23 21	13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.05 0.43 4.86	10.76
23 21	13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.25 0.53 4.86	10.76
23 21	13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.00 0.79 5.23	11.67
23 21	13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.94 1.03 5.66	12.58
23 21	13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.33 1.23 5.66	12.58

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.68 0.75 4.86	10.76
23 21	13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.21 0.51 4.86	10.76
23 21	13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.39 0.60 4.86	10.76
23 21	13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.10 0.84 5.23	11.67
23 21	13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.07 1.10 5.66	12.58
23 21	13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.61 1.37 5.66	12.58
23 21	13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.91 1.77 7.31	16.20
23 21	13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.68 0.75 4.86	10.76
23 21	13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.21 0.51 4.86	10.76
23 21	13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.39 0.60 4.86	10.76
23 21	13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.10 0.84 5.23	11.67
23 21	13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.07 1.10 5.66	12.58
23 21	13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.61 1.37 5.66	12.58
23 21	13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.91 1.77 7.31	16.20
23 21	13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.12 4.96 9.06	20.17
23 21	13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.01 6.24 10.96	24.36
23 21	13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.94 0.88 4.86	10.76
23 21	13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.41 0.61 4.86	10.76
23 21	13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.68 0.75 4.86	10.76
23 21	13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.49 1.03 5.23	11.67
23 21	13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.47 1.30 5.66	12.58
23 21	13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.94 1.53 5.66	12.58
23 21	13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.65 2.14 7.31	16.20
23 21	13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.86 5.83 9.06	20.17
23 21	13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.31 7.39 10.96	24.36
23 21	13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.94 0.88 4.86	10.76
23 21	13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.41 0.61 4.86	10.76
23 21	13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.68 0.75 4.86	10.76
23 21	13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.49 1.03 5.23	11.67
23 21	13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.47 1.30 5.66	12.58

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21	13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	21.94	12.58
			<i>For Schedule 80 Nipples, Add</i>	1.53	
			<i>For Work In Restricted Working Space, Add</i>	5.66	
23 21	13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple.....	28.65	16.20
			<i>For Schedule 80 Nipples, Add</i>	2.14	
			<i>For Work In Restricted Working Space, Add</i>	7.31	
23 21	13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	41.86	20.17
			<i>For Schedule 80 Nipples, Add</i>	5.83	
			<i>For Work In Restricted Working Space, Add</i>	9.06	
23 21	13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple.....	51.31	24.36
			<i>For Schedule 80 Nipples, Add</i>	7.39	
			<i>For Work In Restricted Working Space, Add</i>	10.96	
23 21	13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple.....	64.08	29.44
			<i>For Schedule 80 Nipples, Add</i>	10.00	
			<i>For Work In Restricted Working Space, Add</i>	13.23	
23 21	13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	18.72	10.76
			<i>For Schedule 80 Nipples, Add</i>	1.27	
			<i>For Work In Restricted Working Space, Add</i>	4.86	
23 21	13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	17.63	10.76
			<i>For Schedule 80 Nipples, Add</i>	0.72	
			<i>For Work In Restricted Working Space, Add</i>	4.86	
23 21	13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	18.06	10.76
			<i>For Schedule 80 Nipples, Add</i>	0.94	
			<i>For Work In Restricted Working Space, Add</i>	4.86	
23 21	13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	19.88	11.67
			<i>For Schedule 80 Nipples, Add</i>	1.23	
			<i>For Work In Restricted Working Space, Add</i>	5.23	
23 21	13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	21.98	12.58
			<i>For Schedule 80 Nipples, Add</i>	1.55	
			<i>For Work In Restricted Working Space, Add</i>	5.66	
23 21	13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	22.62	12.58
			<i>For Schedule 80 Nipples, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	5.66	
23 21	13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	29.30	16.20
			<i>For Schedule 80 Nipples, Add</i>	2.47	
			<i>For Work In Restricted Working Space, Add</i>	7.31	
23 21	13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	43.01	20.17
			<i>For Schedule 80 Nipples, Add</i>	6.40	
			<i>For Work In Restricted Working Space, Add</i>	9.06	
23 21	13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	52.83	24.36
			<i>For Schedule 80 Nipples, Add</i>	8.15	
			<i>For Work In Restricted Working Space, Add</i>	10.96	
23 21	13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	66.93	29.44
			<i>For Schedule 80 Nipples, Add</i>	11.42	
			<i>For Work In Restricted Working Space, Add</i>	13.23	
23 21	13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple.....	18.72	10.76
			<i>For Schedule 80 Nipples, Add</i>	1.27	
			<i>For Work In Restricted Working Space, Add</i>	4.86	
23 21	13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	17.63	10.76
			<i>For Schedule 80 Nipples, Add</i>	0.72	
			<i>For Work In Restricted Working Space, Add</i>	4.86	
23 21	13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple.....	18.06	10.76
			<i>For Schedule 80 Nipples, Add</i>	0.94	
			<i>For Work In Restricted Working Space, Add</i>	4.86	
23 21	13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple.....	19.88	11.67
			<i>For Schedule 80 Nipples, Add</i>	1.23	
			<i>For Work In Restricted Working Space, Add</i>	5.23	
23 21	13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple.....	21.98	12.58
			<i>For Schedule 80 Nipples, Add</i>	1.55	
			<i>For Work In Restricted Working Space, Add</i>	5.66	
23 21	13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	22.62	12.58
			<i>For Schedule 80 Nipples, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	5.66	
23 21	13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple.....	29.30	16.20
			<i>For Schedule 80 Nipples, Add</i>	2.47	
			<i>For Work In Restricted Working Space, Add</i>	7.31	
23 21	13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	43.01	20.17
			<i>For Schedule 80 Nipples, Add</i>	6.40	
			<i>For Work In Restricted Working Space, Add</i>	9.06	
23 21	13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple.....	52.83	24.36
			<i>For Schedule 80 Nipples, Add</i>	8.15	
			<i>For Work In Restricted Working Space, Add</i>	10.96	
23 21	13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple.....	66.93	29.44
			<i>For Schedule 80 Nipples, Add</i>	11.42	
			<i>For Work In Restricted Working Space, Add</i>	13.23	
23 21	13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple.....	19.01	10.76
			<i>For Schedule 80 Nipples, Add</i>	1.41	
			<i>For Work In Restricted Working Space, Add</i>	4.86	
23 21	13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	17.80	10.76
			<i>For Schedule 80 Nipples, Add</i>	0.81	
			<i>For Work In Restricted Working Space, Add</i>	4.86	
23 21	13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple.....	18.32	10.76
			<i>For Schedule 80 Nipples, Add</i>	1.07	
			<i>For Work In Restricted Working Space, Add</i>	4.86	
23 21	13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple.....	20.32	11.67
			<i>For Schedule 80 Nipples, Add</i>	1.45	
			<i>For Work In Restricted Working Space, Add</i>	5.23	
23 21	13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple.....	22.56	12.58
			<i>For Schedule 80 Nipples, Add</i>	1.84	
			<i>For Work In Restricted Working Space, Add</i>	5.66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0251 EA 1-1/2" x 6" Long, Schedule 40 Black Steel Nipple	23.18	12.58
For Schedule 80 Nipples, Add	2.15	
For Work In Restricted Working Space, Add	5.66	
23 21 13 23-0252 EA 2" x 6" Long, Schedule 40 Black Steel Nipple.....	30.15	16.20
For Schedule 80 Nipples, Add	2.89	
For Work In Restricted Working Space, Add	7.31	
23 21 13 23-0253 EA 2-1/2" x 6" Long, Schedule 40 Black Steel Nipple	43.55	20.17
For Schedule 80 Nipples, Add	6.67	
For Work In Restricted Working Space, Add	9.06	
23 21 13 23-0254 EA 3" x 6" Long, Schedule 40 Black Steel Nipple.....	54.24	24.36
For Schedule 80 Nipples, Add	8.85	
For Work In Restricted Working Space, Add	10.96	
23 21 13 23-0255 EA 4" x 6" Long, Schedule 40 Black Steel Nipple.....	68.50	29.44
For Schedule 80 Nipples, Add	12.21	
For Work In Restricted Working Space, Add	13.23	
23 21 13 23-0256 EA 3/8" x 8" Long, Schedule 40 Black Steel Nipple.....	21.13	10.76
For Schedule 80 Nipples, Add	2.47	
For Work In Restricted Working Space, Add	4.86	
23 21 13 23-0257 EA 1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	19.08	10.76
For Schedule 80 Nipples, Add	1.45	
For Work In Restricted Working Space, Add	4.86	
23 21 13 23-0258 EA 3/4" x 8" Long, Schedule 40 Black Steel Nipple.....	19.73	10.76
For Schedule 80 Nipples, Add	1.77	
For Work In Restricted Working Space, Add	4.86	
23 21 13 23-0259 EA 1" x 8" Long, Schedule 40 Black Steel Nipple.....	22.16	11.67
For Schedule 80 Nipples, Add	2.37	
For Work In Restricted Working Space, Add	5.23	
23 21 13 23-0260 EA 1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	24.82	12.58
For Schedule 80 Nipples, Add	2.97	
For Work In Restricted Working Space, Add	5.66	
23 21 13 23-0261 EA 1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	25.69	12.58
For Schedule 80 Nipples, Add	3.41	
For Work In Restricted Working Space, Add	5.66	
23 21 13 23-0262 EA 2" x 8" Long, Schedule 40 Black Steel Nipple.....	34.07	16.20
For Schedule 80 Nipples, Add	4.85	
For Work In Restricted Working Space, Add	7.31	
23 21 13 23-0263 EA 2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	47.19	20.17
For Schedule 80 Nipples, Add	8.49	
For Work In Restricted Working Space, Add	9.06	
23 21 13 23-0264 EA 3" x 8" Long, Schedule 40 Black Steel Nipple.....	60.42	24.36
For Schedule 80 Nipples, Add	11.94	
For Work In Restricted Working Space, Add	10.96	
23 21 13 23-0265 EA 4" x 8" Long, Schedule 40 Black Steel Nipple.....	72.26	29.44
For Schedule 80 Nipples, Add	14.09	
For Work In Restricted Working Space, Add	13.23	
23 21 13 23-0266 EA 3/8" x 10" Long, Schedule 40 Black Steel Nipple.....	21.74	10.76
For Schedule 80 Nipples, Add	2.78	
For Work In Restricted Working Space, Add	4.86	
23 21 13 23-0267 EA 1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	19.67	10.76
For Schedule 80 Nipples, Add	1.74	
For Work In Restricted Working Space, Add	4.86	
23 21 13 23-0268 EA 3/4" x 10" Long, Schedule 40 Black Steel Nipple.....	20.30	10.76
For Schedule 80 Nipples, Add	2.06	
For Work In Restricted Working Space, Add	4.86	
23 21 13 23-0269 EA 1" x 10" Long, Schedule 40 Black Steel Nipple.....	22.96	11.67
For Schedule 80 Nipples, Add	2.77	
For Work In Restricted Working Space, Add	5.23	
23 21 13 23-0270 EA 1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	26.00	12.58
For Schedule 80 Nipples, Add	3.56	
For Work In Restricted Working Space, Add	5.66	
23 21 13 23-0271 EA 1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	26.85	12.58
For Schedule 80 Nipples, Add	3.99	
For Work In Restricted Working Space, Add	5.66	
23 21 13 23-0272 EA 2" x 10" Long, Schedule 40 Black Steel Nipple.....	35.77	16.20
For Schedule 80 Nipples, Add	5.70	
For Work In Restricted Working Space, Add	7.31	
23 21 13 23-0273 EA 2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	49.28	20.17
For Schedule 80 Nipples, Add	9.54	
For Work In Restricted Working Space, Add	9.06	
23 21 13 23-0274 EA 3" x 10" Long, Schedule 40 Black Steel Nipple.....	63.36	24.36
For Schedule 80 Nipples, Add	13.41	
For Work In Restricted Working Space, Add	10.96	
23 21 13 23-0275 EA 4" x 10" Long, Schedule 40 Black Steel Nipple.....	76.18	29.44
For Schedule 80 Nipples, Add	16.05	
For Work In Restricted Working Space, Add	13.23	
23 21 13 23-0276 EA 3/8" x 12" Long, Schedule 40 Black Steel Nipple.....	22.51	10.76
For Schedule 80 Nipples, Add	3.16	
For Work In Restricted Working Space, Add	4.86	
23 21 13 23-0277 EA 1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	20.31	10.76
For Schedule 80 Nipples, Add	2.06	
For Work In Restricted Working Space, Add	4.86	
23 21 13 23-0278 EA 3/4" x 12" Long, Schedule 40 Black Steel Nipple.....	20.76	10.76
For Schedule 80 Nipples, Add	2.29	
For Work In Restricted Working Space, Add	4.86	
23 21 13 23-0279 EA 1" x 12" Long, Schedule 40 Black Steel Nipple.....	23.78	11.67
For Schedule 80 Nipples, Add	3.18	
For Work In Restricted Working Space, Add	5.23	
23 21 13 23-0280 EA 1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	26.96	12.58
For Schedule 80 Nipples, Add	4.04	
For Work In Restricted Working Space, Add	5.66	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	28.07		12.58
		<i>For Schedule 80 Nipples, Add</i>	4.60		
		<i>For Work In Restricted Working Space, Add</i>	5.66		
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple.....	37.49		16.20
		<i>For Schedule 80 Nipples, Add</i>	6.56		
		<i>For Work In Restricted Working Space, Add</i>	7.31		
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	51.43		20.17
		<i>For Schedule 80 Nipples, Add</i>	10.61		
		<i>For Work In Restricted Working Space, Add</i>	9.06		
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple.....	66.31		24.36
		<i>For Schedule 80 Nipples, Add</i>	14.89		
		<i>For Work In Restricted Working Space, Add</i>	10.96		
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple.....	81.70		29.44
		<i>For Schedule 80 Nipples, Add</i>	18.81		
		<i>For Work In Restricted Working Space, Add</i>	13.23		
23 21 13 23-0286		Black Malleable Iron Bushing <small>(2321 13 23-0014)</small>			
23 21 13 23-0287	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	31.37		18.47
		<i>For Work In Restricted Working Space, Add</i>	8.31		
23 21 13 23-0288	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Bushing.....	35.05		19.82
		<i>For Work In Restricted Working Space, Add</i>	8.93		
23 21 13 23-0289	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Bushing.....	37.32		21.30
		<i>For Work In Restricted Working Space, Add</i>	9.61		
23 21 13 23-0290	EA	1" x 3/8", 150 LB, Black Malleable Iron Bushing.....	39.04		21.19
		<i>For Work In Restricted Working Space, Add</i>	9.52		
23 21 13 23-0291	EA	1" x 1/2", 150 LB, Black Malleable Iron Bushing.....	39.46		22.66
		<i>For Work In Restricted Working Space, Add</i>	10.20		
23 21 13 23-0292	EA	1" x 3/4", 150 LB, Black Malleable Iron Bushing.....	41.26		23.90
		<i>For Work In Restricted Working Space, Add</i>	10.74		
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing.....	42.41		22.77
		<i>For Work In Restricted Working Space, Add</i>	10.26		
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing.....	44.32		24.36
		<i>For Work In Restricted Working Space, Add</i>	10.94		
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing.....	45.33		25.49
		<i>For Work In Restricted Working Space, Add</i>	11.48		
23 21 13 23-0296	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Bushing.....	47.30		26.85
		<i>For Work In Restricted Working Space, Add</i>	12.08		
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	47.77		24.70
		<i>For Work In Restricted Working Space, Add</i>	11.09		
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing.....	48.14		26.17
		<i>For Work In Restricted Working Space, Add</i>	11.77		
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	49.94		27.30
		<i>For Work In Restricted Working Space, Add</i>	12.31		
23 21 13 23-0300	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Bushing.....	50.82		28.67
		<i>For Work In Restricted Working Space, Add</i>	12.89		
23 21 13 23-0301	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	54.43		30.36
		<i>For Work In Restricted Working Space, Add</i>	13.64		
23 21 13 23-0302	EA	2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	58.75		29.01
		<i>For Work In Restricted Working Space, Add</i>	13.04		
23 21 13 23-0303	EA	2" x 1/2", 150 LB, Black Malleable Iron Bushing.....	59.20		30.48
		<i>For Work In Restricted Working Space, Add</i>	13.72		
23 21 13 23-0304	EA	2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	58.93		31.72
		<i>For Work In Restricted Working Space, Add</i>	14.26		
23 21 13 23-0305	EA	2" x 1", 150 LB, Black Malleable Iron Bushing.....	60.18		32.97
		<i>For Work In Restricted Working Space, Add</i>	14.85		
23 21 13 23-0306	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	62.67		34.67
		<i>For Work In Restricted Working Space, Add</i>	15.60		
23 21 13 23-0307	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	66.60		36.48
		<i>For Work In Restricted Working Space, Add</i>	16.42		
23 21 13 23-0308	EA	2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	81.65		41.47
		<i>For Work In Restricted Working Space, Add</i>	18.67		
23 21 13 23-0309	EA	2-1/2" x 1", 150 LB, Black Malleable Iron Bushing.....	83.62		42.82
		<i>For Work In Restricted Working Space, Add</i>	19.26		
23 21 13 23-0310	EA	2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	86.11		44.41
		<i>For Work In Restricted Working Space, Add</i>	20.01		
23 21 13 23-0311	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	87.51		46.34
		<i>For Work In Restricted Working Space, Add</i>	20.83		
23 21 13 23-0312	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Bushing.....	93.87		50.64
		<i>For Work In Restricted Working Space, Add</i>	22.78		
23 21 13 23-0313	EA	3" x 3/4", 150 LB, Black Malleable Iron Bushing.....	103.39		50.98
		<i>For Work In Restricted Working Space, Add</i>	22.97		
23 21 13 23-0314	EA	3" x 1", 150 LB, Black Malleable Iron Bushing.....	105.35		52.34
		<i>For Work In Restricted Working Space, Add</i>	23.55		
23 21 13 23-0315	EA	3" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	107.85		54.05
		<i>For Work In Restricted Working Space, Add</i>	24.30		
23 21 13 23-0316	EA	3" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	110.06		55.86
		<i>For Work In Restricted Working Space, Add</i>	25.12		
23 21 13 23-0317	EA	3" x 2", 150 LB, Black Malleable Iron Bushing.....	114.84		60.16
		<i>For Work In Restricted Working Space, Add</i>	27.08		
23 21 13 23-0318	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Bushing.....	129.91		70.01
		<i>For Work In Restricted Working Space, Add</i>	31.49		
23 21 13 23-0319	EA	4" x 3/4", 150 LB, Black Malleable Iron Bushing.....	132.25		53.80
		<i>For Work In Restricted Working Space, Add</i>	24.23		
23 21 13 23-0320	EA	4" x 1", 150 LB, Black Malleable Iron Bushing.....	134.17		55.12
		<i>For Work In Restricted Working Space, Add</i>	24.81		
23 21 13 23-0321	EA	4" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	136.59		56.78
		<i>For Work In Restricted Working Space, Add</i>	25.53		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0322 EA 4" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	139.24 26.33	58.54
23 21 13 23-0323 EA 4" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	142.82 28.23	62.73
23 21 13 23-0324 EA 4" x 2-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	157.11 32.52	72.32
23 21 13 23-0325 EA 4" x 3", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	171.05 36.70	81.58
23 21 13 23-0326 Black Malleable Iron Square Head Plugs (23 21 13 23-0014)		
23 21 13 23-0327 EA 3/8", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	12.88 3.02	6.68
23 21 13 23-0328 EA 1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	15.09 3.63	8.05
23 21 13 23-0329 EA 3/4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	16.52 4.06	9.06
23 21 13 23-0330 EA 1", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	18.87 4.53	10.09
23 21 13 23-0331 EA 1-1/4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	21.85 5.13	11.44
23 21 13 23-0332 EA 1-1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	25.90 5.78	12.80
23 21 13 23-0333 EA 2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	33.92 7.35	16.32
23 21 13 23-0334 EA 2-1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	53.38 10.88	24.14
23 21 13 23-0335 EA 3", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	71.24 14.31	31.83
23 21 13 23-0336 EA 4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	100.80 15.44	34.28
23 21 13 23-0337 EA 5", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	159.68 16.11	35.83
23 21 13 23-0338 EA 6", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	187.42 16.84	37.38
23 21 13 23-0339 125 LB Black Cast Iron Screwed Flanges (23 21 13 23-0014)		
23 21 13 23-0340 EA 3/4", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	121.70 20.39	45.32
23 21 13 23-0341 EA 1", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	110.99 23.05	51.21
23 21 13 23-0342 EA 1-1/4", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	120.38 23.85	53.02
23 21 13 23-0343 EA 1-1/2", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	124.26 25.94	57.67
23 21 13 23-0344 EA 2", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	127.98 27.08	60.16
23 21 13 23-0345 EA 2-1/2", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	148.51 31.32	69.68
23 21 13 23-0346 EA 3", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	189.33 39.75	88.37
23 21 13 23-0347 EA 4", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	252.96 52.92	117.63
23 21 13 23-0348 EA 5", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	318.16 63.00	140.12
23 21 13 23-0349 EA 6", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	363.54 72.35	160.85
23 21 13 23-0350 150 LB, Black Malleable Iron Flanges (23 21 13 23-0014)		
23 21 13 23-0351 EA 1/2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	73.96 18.62	41.36
23 21 13 23-0352 EA 3/4", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	80.78 20.39	45.32
23 21 13 23-0353 EA 1", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	93.45 23.04	51.21
23 21 13 23-0354 EA 1-1/4", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	97.29 23.85	53.02
23 21 13 23-0355 EA 1-1/2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	105.89 25.94	57.67
23 21 13 23-0356 EA 2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	115.57 27.08	60.16
23 21 13 23-0357 EA 2-1/2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	144.09 31.32	69.68
23 21 13 23-0358 EA 3", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	182.64 39.74	88.37
23 21 13 23-0359 EA 4", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	261.56 52.91	117.63
23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe (23 21 13 23-0014)		
Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0361 EA 1/2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	36.93 11.08	
23 21 13 23-0362 EA 3/4", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	40.62 12.19	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe.....	44.32	
		<i>For Work In Restricted Working Space, Add</i>	13.30	
23 21 13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe.....	48.01	
		<i>For Work In Restricted Working Space, Add</i>	14.40	
23 21 13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	50.47	
		<i>For Work In Restricted Working Space, Add</i>	15.14	
23 21 13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe.....	52.94	
		<i>For Work In Restricted Working Space, Add</i>	15.88	
23 21 13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	55.40	
		<i>For Work In Restricted Working Space, Add</i>	16.62	
23 21 13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe.....	57.86	
		<i>For Work In Restricted Working Space, Add</i>	17.36	
23 21 13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe.....	60.32	
		<i>For Work In Restricted Working Space, Add</i>	18.10	
23 21 13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe.....	65.24	
		<i>For Work In Restricted Working Space, Add</i>	19.57	
23 21 13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe.....	70.16	
		<i>For Work In Restricted Working Space, Add</i>	21.05	
23 21 13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe.....	76.32	
		<i>For Work In Restricted Working Space, Add</i>	22.90	
23 21 13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe.....	81.24	
		<i>For Work In Restricted Working Space, Add</i>	24.37	

23 21 13 23-0374 Welded Black Steel Pipe (23 21 13 23)**23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies** (23 21 13 23-0374)

Note: ASTM A-53. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	26.41	9.10
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	6.65	
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	29.39	9.71
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	7.44	
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	34.72	10.30
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	8.54	
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	36.81	10.30
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	8.94	
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	42.21	10.30
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	10.34	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	48.94	10.30
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	11.99	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	55.08	10.06
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	12.65	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	70.93	12.50
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	15.51	
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	91.96	18.64
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	17.86	
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	139.16	23.15
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	26.50	
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	181.50	28.93
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	31.60	
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	224.33	34.96
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	36.51	
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	251.94	45.60
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	40.74	
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	291.83	57.87
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	45.52	
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	361.08	71.64
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	49.95	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0391 LF 20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	458.02	88.54
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>		
	57.17	
23 21 13 23-0392 LF 24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	556.78	100.34
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>		
	62.86	
23 21 13 23-0393 Welded Black Steel Pipe And Fittings <small>(23 21 13 23-0374)</small>		
Note: ASTM A-53. Excludes hangers or fittings.		
23 21 13 23-0394 Welded Plain End Black Steel Piping <small>(23 21 13 23-0393)</small>		
Note: ASTM A-53		
23 21 13 23-0395 LF 3/4" Schedule 40, Welded Plain End Black Steel Pipe	11.18	4.85
<i>For Schedule 80 Pipe, Add</i>		
	1.75	
<i>For Schedule A-106 Pipe, Add</i>		
	0.18	
<i>For Work In Restricted Working Space, Add</i>		
	2.91	
23 21 13 23-0396 LF 1" Schedule 40, Welded Plain End Black Steel Pipe	14.09	6.06
<i>For Schedule 80 Pipe, Add</i>		
	2.21	
<i>For Schedule A-106 Pipe, Add</i>		
	0.24	
<i>For Work In Restricted Working Space, Add</i>		
	3.64	
23 21 13 23-0397 LF 1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	17.42	7.27
<i>For Schedule 80 Pipe, Add</i>		
	2.76	
<i>For Schedule A-106 Pipe, Add</i>		
	0.34	
<i>For Work In Restricted Working Space, Add</i>		
	4.37	
23 21 13 23-0398 LF 1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	20.80	8.49
<i>For Schedule 80 Pipe, Add</i>		
	3.31	
<i>For Schedule A-106 Pipe, Add</i>		
	0.46	
<i>For Work In Restricted Working Space, Add</i>		
	5.09	
23 21 13 23-0399 LF 2" Schedule 40, Welded Plain End Black Steel Pipe	24.70	10.06
<i>For Schedule 80 Pipe, Add</i>		
	3.93	
<i>For Schedule A-106 Pipe, Add</i>		
	0.55	
<i>For Work In Restricted Working Space, Add</i>		
	6.04	
23 21 13 23-0400 LF 2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	28.12	11.40
<i>For Schedule 80 Pipe, Add</i>		
	5.85	
<i>For Schedule A-106 Pipe, Add</i>		
	0.64	
<i>For Work In Restricted Working Space, Add</i>		
	6.84	
23 21 13 23-0401 LF 3" Schedule 40, Welded Plain End Black Steel Pipe	32.96	12.25
<i>For Schedule 80 Pipe, Add</i>		
	7.25	
<i>For Schedule A-106 Pipe, Add</i>		
	1.02	
<i>For Work In Restricted Working Space, Add</i>		
	7.35	
23 21 13 23-0402 LF 4" Schedule 40, Welded Plain End Black Steel Pipe	43.87	15.16
<i>For Schedule 80 Pipe, Add</i>		
	10.05	
<i>For Schedule A-106 Pipe, Add</i>		
	1.63	
<i>For Work In Restricted Working Space, Add</i>		
	9.09	
23 21 13 23-0403 LF 6" Schedule 40, Welded Plain End Black Steel Pipe	60.31	24.56
<i>For Schedule 80 Pipe, Add</i>		
	14.53	
<i>For Schedule A-106 Pipe, Add</i>		
	2.73	
<i>For Work In Restricted Working Space, Add</i>		
	11.28	
23 21 13 23-0404 LF 8" Schedule 40, Welded Plain End Black Steel Pipe	84.03	24.88
<i>For Schedule 80 Pipe, Add</i>		
	20.70	
<i>For Schedule A-106 Pipe, Add</i>		
	4.11	
<i>For Schedule 30 Pipe, Deduct</i>		
	-11.83	
<i>For Work In Restricted Working Space, Add</i>		
	14.93	
23 21 13 23-0405 LF 10" Schedule 40, Welded Plain End Black Steel Pipe	108.44	29.98
<i>For Schedule 80 Pipe, Add</i>		
	27.46	
<i>For Schedule A-106 Pipe, Add</i>		
	5.82	
<i>For Schedule 30 Pipe, Deduct</i>		
	-15.69	
<i>For Work In Restricted Working Space, Add</i>		
	17.99	
23 21 13 23-0406 LF 12" Schedule 40, Welded Plain End Black Steel Pipe	136.57	36.22
<i>For Schedule 80 Pipe, Add</i>		
	35.12	
<i>For Schedule A-106 Pipe, Add</i>		
	7.69	
<i>For Schedule 30 Pipe, Deduct</i>		
	-20.07	
<i>For Work In Restricted Working Space, Add</i>		
	21.74	
23 21 13 23-0407 LF 14" Schedule 40, Welded Plain End Black Steel Pipe	134.85	38.19
<i>For Schedule 80 Pipe, Add</i>		
	33.83	
<i>For Schedule A-106 Pipe, Add</i>		
	7.02	
<i>For Schedule 30 Pipe, Deduct</i>		
	-19.33	
<i>For Schedule 20 Pipe, Deduct</i>		
	-35.74	
<i>For Work In Restricted Working Space, Add</i>		
	22.91	
23 21 13 23-0408 LF 16" Schedule 40, Welded Plain End Black Steel Pipe	147.53	41.09
<i>For Schedule 80 Pipe, Add</i>		
	37.26	
<i>For Schedule A-106 Pipe, Add</i>		
	7.84	
<i>For Schedule 30 Pipe, Deduct</i>		
	-21.29	
<i>For Schedule 20 Pipe, Deduct</i>		
	-39.31	
<i>For Work In Restricted Working Space, Add</i>		
	24.65	
23 21 13 23-0409 LF 18" Schedule 40, Welded Plain End Black Steel Pipe	179.47	44.44
<i>For Schedule 80 Pipe, Add</i>		
	47.26	
<i>For Schedule A-106 Pipe, Add</i>		
	10.87	
<i>For Schedule 30 Pipe, Deduct</i>		
	-27.01	
<i>For Schedule 20 Pipe, Deduct</i>		
	-49.48	
<i>For Work In Restricted Working Space, Add</i>		
	26.67	
23 21 13 23-0410 LF 20" Schedule 40, Welded Plain End Black Steel Pipe	212.82	53.24
<i>For Schedule 80 Pipe, Add</i>		
	55.85	
<i>For Schedule A-106 Pipe, Add</i>		
	12.76	
<i>For Work In Restricted Working Space, Add</i>		
	31.94	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0411	LF 24" Schedule 40, Welded Plain End Black Steel Pipe	259.83	61.23
	For Schedule 80 Pipe, Add	69.51	
	For Schedule A-106 Pipe, Add	16.49	
	For Work In Restricted Working Space, Add	36.73	
23 21 13 23-0412	Welded Plain End Black Steel 90 Degree Elbows (23 21 13 23-0393)		
23 21 13 23-0413	EA 3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	127.75	73.37
	For Schedule 80 Fittings, Add	26.78	
	For Work In Restricted Working Space, Add	32.99	
23 21 13 23-0414	EA 1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	133.52	77.19
	For Schedule 80 Fittings, Add	27.91	
	For Work In Restricted Working Space, Add	34.72	
23 21 13 23-0415	EA 1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	149.71	87.96
	For Schedule 80 Fittings, Add	31.06	
	For Work In Restricted Working Space, Add	39.57	
23 21 13 23-0416	EA 1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	160.12	94.90
	For Schedule 80 Fittings, Add	33.09	
	For Work In Restricted Working Space, Add	42.70	
23 21 13 23-0417	EA 2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	202.94	123.48
	For Schedule 80 Fittings, Add	41.44	
	For Work In Restricted Working Space, Add	55.54	
23 21 13 23-0418	EA 2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	255.16	154.39
	For Schedule 80 Fittings, Add	52.25	
	For Work In Restricted Working Space, Add	69.43	
23 21 13 23-0419	EA 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	274.08	163.94
	For Schedule 80 Fittings, Add	56.42	
	For Work In Restricted Working Space, Add	73.71	
23 21 13 23-0420	EA 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	471.61	283.26
	For Schedule 80 Fittings, Add	96.89	
	For Work In Restricted Working Space, Add	127.41	
23 21 13 23-0421	EA 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	816.30	467.46
	For Schedule 80 Fittings, Add	171.29	
	For Work In Restricted Working Space, Add	210.28	
23 21 13 23-0422	EA 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,154.43	627.16
	For Schedule 80 Fittings, Add	247.60	
	For Work In Restricted Working Space, Add	282.10	
23 21 13 23-0423	EA 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,467.78	716.85
	For Schedule 80 Fittings, Add	327.49	
	For Work In Restricted Working Space, Add	322.40	
23 21 13 23-0424	EA 12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,976.14	937.89
	For Schedule 80 Fittings, Add	445.20	
	For Work In Restricted Working Space, Add	421.83	
23 21 13 23-0425	EA 14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,433.64	1,108.60
	For Schedule 80 Fittings, Add	555.57	
	For Work In Restricted Working Space, Add	498.63	
23 21 13 23-0426	EA 16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,996.91	1,294.59
	For Schedule 80 Fittings, Add	695.29	
	For Work In Restricted Working Space, Add	582.25	
23 21 13 23-0427	EA 18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,523.38	1,443.54
	For Schedule 80 Fittings, Add	829.78	
	For Work In Restricted Working Space, Add	649.25	
23 21 13 23-0428	EA 20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,424.42	1,618.52
	For Schedule 80 Fittings, Add	1,072.53	
	For Work In Restricted Working Space, Add	728.00	
23 21 13 23-0429	EA 24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	5,118.42	1,672.56
	For Schedule 80 Fittings, Add	1,272.23	
	For Work In Restricted Working Space, Add	752.26	
23 21 13 23-0430	Welded Plain End Black Steel Reducing 90 Degree Elbows (23 21 13 23-0393)		
23 21 13 23-0431	EA 4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	618.48	283.75
	For Schedule 80 Fittings, Add	140.87	
	For Work In Restricted Working Space, Add	127.64	
23 21 13 23-0432	EA 6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,070.46	462.13
	For Schedule 80 Fittings, Add	248.38	
	For Work In Restricted Working Space, Add	207.88	
23 21 13 23-0433	EA 6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,135.20	462.13
	For Schedule 80 Fittings, Add	267.80	
	For Work In Restricted Working Space, Add	207.88	
23 21 13 23-0434	EA 8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,736.73	627.16
	For Schedule 80 Fittings, Add	422.29	
	For Work In Restricted Working Space, Add	282.10	
23 21 13 23-0435	EA 8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,891.07	627.16
	For Schedule 80 Fittings, Add	468.59	
	For Work In Restricted Working Space, Add	282.10	
23 21 13 23-0436	EA 10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,347.66	716.85
	For Schedule 80 Fittings, Add	591.46	
	For Work In Restricted Working Space, Add	322.40	
23 21 13 23-0437	EA 10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,347.66	716.85
	For Schedule 80 Fittings, Add	591.46	
	For Work In Restricted Working Space, Add	322.40	
23 21 13 23-0438	EA 12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,796.39	955.72
	For Schedule 80 Fittings, Add	988.46	
	For Work In Restricted Working Space, Add	429.86	
23 21 13 23-0439	EA 12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,796.39	955.72
	For Schedule 80 Fittings, Add	988.46	
	For Work In Restricted Working Space, Add	429.86	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0440 EA 12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	4,216.22 1,114.41 429.86	955.72
23 21 13 23-0441 Welded Plain End Black Steel 45 Degree Elbows (23 21 13 23-0393)		
23 21 13 23-0442 EA 3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	117.20 24.34 30.92	68.76
23 21 13 23-0443 EA 1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	120.84 25.05 32.01	71.18
23 21 13 23-0444 EA 1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	136.60 28.12 36.74	81.73
23 21 13 23-0445 EA 1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	146.30 30.01 39.65	88.16
23 21 13 23-0446 EA 2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	185.11 37.58 51.29	113.98
23 21 13 23-0447 EA 2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	231.09 46.79 64.39	143.21
23 21 13 23-0448 EA 3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	266.39 54.12 73.70	163.82
23 21 13 23-0449 EA 4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	458.83 93.07 127.37	283.14
23 21 13 23-0450 EA 6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	784.35 161.79 210.04	466.98
23 21 13 23-0451 EA 8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	1,096.65 230.26 282.10	627.16
23 21 13 23-0452 EA 10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	1,361.70 295.67 322.40	716.85
23 21 13 23-0453 EA 12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	1,819.70 398.54 421.04	936.16
23 21 13 23-0454 EA 14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	2,227.64 493.54 499.29	1,110.10
23 21 13 23-0455 EA 16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	2,709.92 609.40 581.65	1,293.20
23 21 13 23-0456 EA 18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	3,154.11 719.26 648.50	1,441.79
23 21 13 23-0457 EA 20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	3,885.32 910.80 728.00	1,618.52
23 21 13 23-0458 EA 24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	4,413.87 1,060.87 752.26	1,672.56
23 21 13 23-0459 Welded Plain End Black Steel Tee (23 21 13 23-0393)		
23 21 13 23-0460 EA 3/4" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	236.70 50.64 58.21	129.38
23 21 13 23-0461 EA 1" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	236.64 50.63 58.19	129.38
23 21 13 23-0462 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	267.21 57.51 64.73	143.93
23 21 13 23-0463 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	293.96 62.72 72.76	161.76
23 21 13 23-0464 EA 2" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	369.29 76.79 97.13	215.96
23 21 13 23-0465 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	420.33 87.90 109.14	242.64
23 21 13 23-0466 EA 3" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	503.97 104.85 132.42	294.66
23 21 13 23-0467 EA 4" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	725.28 150.57 191.47	425.75
23 21 13 23-0468 EA 6" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	1,212.90 253.15 316.33	703.32

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0469	EA 8" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,726.27 367.43 429.86	955.72
23 21 13 23-0470	EA 10" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,163.62 473.56 501.51	1,114.97
23 21 13 23-0471	EA 12" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,897.50 643.57 644.80	1,433.57
23 21 13 23-0472	EA 14" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,710.46 849.85 752.26	1,672.56
23 21 13 23-0473	EA 16" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,463.29 1,023.04 902.71	2,007.04
23 21 13 23-0474	EA 18" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,718.85 1,364.60 1,003.01	2,230.05
23 21 13 23-0475	EA 20" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,428.73 1,833.68 1,128.39	2,508.85
23 21 13 23-0476	EA 24" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,523.91 2,131.86 1,215.19	2,701.83
23 21 13 23-0477	Welded Plain End Black Steel Reducing Tees (23 21 13 23-0393)		
23 21 13 23-0478	EA 3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	230.63 49.45 56.39	125.38
23 21 13 23-0479	EA 1" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.64 50.63 58.19	129.38
23 21 13 23-0480	EA 1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	264.49 56.69 64.73	143.93
23 21 13 23-0481	EA 1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	291.24 61.91 72.76	161.76
23 21 13 23-0482	EA 2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	375.44 78.62 97.16	215.96
23 21 13 23-0483	EA 2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	420.47 87.93 109.18	242.76
23 21 13 23-0484	EA 3" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	504.26 104.93 132.42	294.66
23 21 13 23-0485	EA 4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	725.68 150.69 191.47	425.75
23 21 13 23-0486	EA 6" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,213.59 253.36 316.33	703.32
23 21 13 23-0487	EA 8" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,727.60 367.83 429.86	955.72
23 21 13 23-0488	EA 10" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,165.86 474.23 501.51	1,114.97
23 21 13 23-0489	EA 12" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,900.90 644.59 644.80	1,433.57
23 21 13 23-0490	EA 14" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,715.92 851.48 752.26	1,672.56
23 21 13 23-0491	EA 16" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,469.91 1,025.02 902.71	2,007.04
23 21 13 23-0492	EA 18" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,729.67 1,367.85 1,003.01	2,230.05
23 21 13 23-0493	Welded Plain End Black Steel Eccentric Reducers (23 21 13 23-0393)		
23 21 13 23-0494	EA 3" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	282.11 58.91 -11.88 73.49	163.34
23 21 13 23-0495	EA 4" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	470.47 96.47 -14.40 127.64	283.75
23 21 13 23-0496	EA 4" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	483.41 100.35 -18.54 127.64	283.75

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0497 EA 6" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	783.88	462.13
For Schedule 80 Fittings, Add	162.41	
For Concentric Reducers, Deduct	-29.11	
For Work In Restricted Working Space, Add	207.88	
23 21 13 23-0498 EA 6" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	850.13	462.13
For Schedule 80 Fittings, Add	182.28	
For Concentric Reducers, Deduct	-50.31	
For Work In Restricted Working Space, Add	207.88	
23 21 13 23-0499 EA 8" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,190.40	703.32
For Schedule 80 Fittings, Add	246.40	
For Concentric Reducers, Deduct	-43.51	
For Work In Restricted Working Space, Add	316.33	
23 21 13 23-0500 EA 8" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,289.16	703.32
For Schedule 80 Fittings, Add	276.03	
For Concentric Reducers, Deduct	-75.11	
For Work In Restricted Working Space, Add	316.33	
23 21 13 23-0501 EA 10" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,372.99	808.81
For Schedule 80 Fittings, Add	284.57	
For Concentric Reducers, Deduct	-51.32	
For Work In Restricted Working Space, Add	363.78	
23 21 13 23-0502 EA 10" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,497.19	808.81
For Schedule 80 Fittings, Add	321.83	
For Concentric Reducers, Deduct	-91.07	
For Work In Restricted Working Space, Add	363.78	
23 21 13 23-0503 EA 12" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,682.48	953.87
For Schedule 80 Fittings, Add	354.58	
For Concentric Reducers, Deduct	-80.74	
For Work In Restricted Working Space, Add	429.05	
23 21 13 23-0504 EA 12" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,826.30	953.87
For Schedule 80 Fittings, Add	397.72	
For Concentric Reducers, Deduct	-126.76	
For Work In Restricted Working Space, Add	429.05	
23 21 13 23-0505 EA 14" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,114.76	1,114.97
For Schedule 80 Fittings, Add	458.90	
For Concentric Reducers, Deduct	-141.78	
For Work In Restricted Working Space, Add	501.51	
23 21 13 23-0506 EA 14" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,194.98	1,114.97
For Schedule 80 Fittings, Add	482.97	
For Concentric Reducers, Deduct	-167.45	
For Work In Restricted Working Space, Add	501.51	
23 21 13 23-0507 EA 16" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,482.18	1,254.43
For Schedule 80 Fittings, Add	547.19	
For Concentric Reducers, Deduct	-192.49	
For Work In Restricted Working Space, Add	564.20	
23 21 13 23-0508 EA 16" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,688.54	1,254.43
For Schedule 80 Fittings, Add	609.09	
For Concentric Reducers, Deduct	-258.52	
For Work In Restricted Working Space, Add	564.20	
23 21 13 23-0509 EA 18" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,127.38	1,433.57
For Schedule 80 Fittings, Add	712.54	
For Concentric Reducers, Deduct	-312.98	
For Work In Restricted Working Space, Add	644.80	
23 21 13 23-0510 Welded Plain End Black Steel Caps (23 21 13 23-0393)		
23 21 13 23-0511 EA 1" Standard Weight, Welded Plain End Black Steel Cap	69.67	40.50
For Schedule 80 Fittings, Add	13.32	
For Work In Restricted Working Space, Add	18.19	
23 21 13 23-0512 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Cap	76.30	44.51
For Schedule 80 Fittings, Add	14.55	
For Work In Restricted Working Space, Add	20.01	
23 21 13 23-0513 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Cap	79.29	46.08
For Schedule 80 Fittings, Add	15.15	
For Work In Restricted Working Space, Add	20.73	
23 21 13 23-0514 EA 2" Standard Weight, Welded Plain End Black Steel Cap	98.72	59.05
For Schedule 80 Fittings, Add	18.55	
For Work In Restricted Working Space, Add	26.56	
23 21 13 23-0515 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Cap	116.89	71.18
For Schedule 80 Fittings, Add	21.73	
For Work In Restricted Working Space, Add	32.01	
23 21 13 23-0516 EA 3" Standard Weight, Welded Plain End Black Steel Cap	137.81	82.09
For Schedule 80 Fittings, Add	25.95	
For Work In Restricted Working Space, Add	36.93	
23 21 13 23-0517 EA 4" Standard Weight, Welded Plain End Black Steel Cap	232.30	141.88
For Schedule 80 Fittings, Add	43.10	
For Work In Restricted Working Space, Add	63.82	
23 21 13 23-0518 EA 6" Standard Weight, Welded Plain End Black Steel Cap	388.62	234.40
For Schedule 80 Fittings, Add	72.65	
For Work In Restricted Working Space, Add	105.44	
23 21 13 23-0519 EA 8" Standard Weight, Welded Plain End Black Steel Cap	647.26	394.58
For Schedule 80 Fittings, Add	120.24	
For Work In Restricted Working Space, Add	177.46	
23 21 13 23-0520 EA 10" Standard Weight, Welded Plain End Black Steel Cap	719.66	414.84
For Schedule 80 Fittings, Add	138.17	
For Work In Restricted Working Space, Add	186.56	
23 21 13 23-0521 EA 12" Standard Weight, Welded Plain End Black Steel Cap	822.06	466.75
For Schedule 80 Fittings, Add	159.15	
For Work In Restricted Working Space, Add	209.93	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0522	EA	14" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,065.71 215.23 250.75	557.48
23 21	13 23-0523	EA	16" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,237.67 249.97 291.20	647.41
23 21	13 23-0524	EA	18" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,381.76 280.20 322.40	716.85
23 21 13 23-0525 150 LB, Welded Plain End Black Steel Neck Flanges (23 21 13 23-0393)					
Note: 150 LB.					
23 21	13 23-0526	EA	2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.93 49.29 41.12	91.43
23 21	13 23-0527	EA	2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.91 52.86 51.32	114.11
23 21	13 23-0528	EA	3", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	245.50 55.48 58.67	130.48
23 21	13 23-0529	EA	4", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	321.60 71.61 77.40	172.07
23 21	13 23-0530	EA	6", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	489.02 109.57 117.35	260.96
23 21	13 23-0531	EA	8", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	576.89 161.88 121.99	271.28
23 21	13 23-0532	EA	10", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	789.89 249.47 153.00	340.14
23 21	13 23-0533	EA	12", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	986.75 346.42 173.60	385.97
23 21	13 23-0534	EA	14", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,319.29 507.14 209.93	466.75
23 21	13 23-0535	EA	16", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,781.18 762.94 243.98	542.44
23 21	13 23-0536	EA	18", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,255.56 1,036.35 273.55	608.17
23 21	13 23-0537	EA	20", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,859.23 1,312.86 347.20	771.93
23 21	13 23-0538	EA	24", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,274.74 1,546.32 376.13	836.28
23 21 13 23-0539 150 LB, Welded Black Steel Slip-On Flanges (23 21 13 23-0393)					
23 21	13 23-0540	EA	2", 150 LB, Welded Black Steel Slip-On Flanges <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.64 33.52 32.74	91.43
23 21	13 23-0541	EA	2-1/2", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	164.86 42.33 40.02	114.11
23 21	13 23-0542	EA	3", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.67 49.88 47.29	130.48
23 21	13 23-0543	EA	4", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	256.68 67.12 61.85	172.07
23 21	13 23-0544	EA	6", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	380.91 101.81 90.95	260.96
23 21	13 23-0545	EA	8", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	488.64 145.36 111.10	271.28
23 21	13 23-0546	EA	10", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	667.16 232.41 138.88	340.14
23 21	13 23-0547	EA	12", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	877.76 348.35 166.66	385.97
23 21	13 23-0548	EA	14", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,118.90 491.77 194.43	466.75
23 21	13 23-0549	EA	16", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,351.42 645.83 215.26	542.44
23 21	13 23-0550	EA	18", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,497.72 722.30 236.09	608.17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0551	EA	20", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,664.28 817.00 256.93	771.93
23 21	13 23-0552	EA	24", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,903.01 921.45 298.59	836.28
23 21 13 23-0553 150 LB, Forged Steel Blind Flanges <small>(23 21 13 23-0393)</small>					
23 21	13 23-0554	EA	2", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.48 29.37 77.34 19.60	32.67
23 21	13 23-0555	EA	2-1/2", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.04 44.74 121.27 23.52	39.20
23 21	13 23-0556	EA	3", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.73 48.74 128.96 31.36	52.27
23 21	13 23-0557	EA	4", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.72 65.76 175.72 39.20	65.34
23 21	13 23-0558	EA	6", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.45 96.70 262.07 50.96	84.94
23 21	13 23-0559	EA	8", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	352.38 145.68 404.69 58.80	98.01
23 21	13 23-0560	EA	10", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	540.57 268.98 768.12 70.57	117.60
23 21	13 23-0561	EA	12", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	706.60 374.57 1,078.42 82.32	137.21
23 21	13 23-0562	EA	14", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,203.47 744.82 94.08	156.81
23 21	13 23-0563	EA	16", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,290.79 787.42 105.85	176.40
23 21	13 23-0564	EA	18", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,449.97 860.28 129.37	215.61
23 21	13 23-0565	EA	20", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,865.27 1,165.27 141.13	235.21
23 21	13 23-0566	EA	24", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,545.79 1,655.20 164.65	274.41
23 21 13 23-0567 3,000 LB, Forge Steel Thread-O-Lets <small>(23 21 13 23-0393)</small>					
23 21	13 23-0568	EA	1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.16 6.16 36.02 24.25	
23 21	13 23-0569	EA	3/4", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.48 7.24 43.09 29.10	
23 21	13 23-0570	EA	1", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.46 8.11 48.87 33.07	
23 21	13 23-0571	EA	1-1/4" Or 1-1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.27 11.51 55.97 36.38	
23 21	13 23-0572	EA	2", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	163.50 14.39 63.57 40.42	
23 21	13 23-0573	EA	2-1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	277.65 52.21 110.73 51.97	
23 21	13 23-0574	EA	3", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	347.55 52.52 137.32 72.76	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-0575	EA	4", 3,000 LB, Forge Steel Thread-O-Let	508.75	
		<i>For Weld-O-Lets, Add</i>	102.80	
		<i>For Sock-O-Lets, Add</i>	203.61	
		<i>For Work In Restricted Working Space, Add</i>	90.95	
23 21 13 23-0576		Class 150 Flange, Steel Bolt And Gasket Sets <small>(23 21 13 23-0393)</small>		
		Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0577	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	12.12	
		Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	3.39	
		<i>For Hot Dip Galvanized, Add</i>	4.85	
		<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	8.48	
23 21 13 23-0578	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	15.44	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	4.32	
		<i>For Hot Dip Galvanized, Add</i>	6.18	
		<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	10.81	
23 21 13 23-0579	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	15.59	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	4.37	
		<i>For Hot Dip Galvanized, Add</i>	6.24	
		<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	10.91	
23 21 13 23-0580	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	15.65	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	4.38	
		<i>For Hot Dip Galvanized, Add</i>	6.26	
		<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	10.96	
23 21 13 23-0581	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	35.40	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	9.91	
		<i>For Hot Dip Galvanized, Add</i>	14.16	
		<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	24.78	
23 21 13 23-0582	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	50.59	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	14.17	
		<i>For Hot Dip Galvanized, Add</i>	20.24	
		<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	35.41	
23 21 13 23-0583	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	54.64	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	15.30	
		<i>For Hot Dip Galvanized, Add</i>	21.86	
		<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	38.25	
23 21 13 23-0584	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	59.75	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	16.73	
		<i>For Hot Dip Galvanized, Add</i>	23.90	
		<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	41.83	
23 21 13 23-0585	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	132.65	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	37.14	
		<i>For Hot Dip Galvanized, Add</i>	53.06	
		<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	92.86	
23 21 13 23-0586	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	134.83	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	37.75	
		<i>For Hot Dip Galvanized, Add</i>	53.93	
		<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	94.38	
23 21 13 23-0587	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	151.18	
		Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	42.33	
		<i>For Hot Dip Galvanized, Add</i>	60.47	
		<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	105.83	
23 21 13 23-0588	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	251.93	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	70.54	
		<i>For Hot Dip Galvanized, Add</i>	100.77	
		<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	176.35	
23 21 13 23-0589	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	363.98	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	101.91	
		<i>For Hot Dip Galvanized, Add</i>	145.59	
		<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	254.79	
23 21 13 23-0590	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	459.78	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	128.74	
		<i>For Hot Dip Galvanized, Add</i>	183.91	
		<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	321.85	
23 21 13 23-0591	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	655.98	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	183.67	
		<i>For Hot Dip Galvanized, Add</i>	262.39	
		<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	459.19	
23 21 13 23-0592	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	1,035.84	
		Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	290.04	
		<i>For Hot Dip Galvanized, Add</i>	414.34	
		<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	725.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0593	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	1,475.03 413.01 590.01 1,032.52	
23 21 13 23-0594 Class 300 Flange, Steel Bolt And Gasket Sets <small>(23 21 13 23-0393)</small>					
Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.					
23 21	13 23-0595	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	18.95 5.31 7.58 13.27	
23 21	13 23-0596	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	35.52 9.95 14.21 24.86	
23 21	13 23-0597	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	55.77 15.62 22.31 39.04	
23 21	13 23-0598	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	60.59 16.97 24.24 42.41	
23 21	13 23-0599	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	61.81 17.31 24.72 43.27	
23 21	13 23-0600	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	65.55 18.35 26.22 45.89	
23 21	13 23-0601	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	95.32 26.69 38.13 66.72	
23 21	13 23-0602	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	148.16 41.48 59.26 103.71	
23 21	13 23-0603	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	272.74 76.37 109.10 190.92	
23 21	13 23-0604	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	394.36 110.42 157.74 276.05	
23 21	13 23-0605	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	540.25 151.27 216.10 378.18	
23 21	13 23-0606	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	746.87 209.12 298.75 522.81	
23 21	13 23-0607	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	958.58 268.40 383.43 671.01	
23 21	13 23-0608	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	1,016.79 284.70 406.72 711.75	
23 21	13 23-0609	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	1,287.84 360.60 515.14 901.49	
23 21	13 23-0610	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	2,019.82 565.55 807.93 1,413.87	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-0611	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	3,072.94
		Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.	
		For Zinc Plated, Add	860.42
		For Hot Dip Galvanized, Add	1,229.18
		For Advanced Fluoropolymer (Blue Coating), Add	2,151.06
23 21 13 23-0612		150 LB, Rubber Flange Gasket Replacement <small>(23 21 13 23-0393)</small>	
		Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.	
23 21 13 23-0613	EA	1/2", 150 LB, Rubber Flange Gasket Replacement	36.16
		For 300 LB Rating Gasket Set, Add	0.03
		For 150 LB Rating Teflon Gasket Set, Add	0.62
		For 300 LB Rating Teflon Gasket Set, Add	0.71
		For Work In Restricted Working Space, Add	10.82
23 21 13 23-0614	EA	3/4", 150 LB, Rubber Flange Gasket Replacement	38.59
		For 300 LB Rating Gasket Set, Add	0.04
		For 150 LB Rating Teflon Gasket Set, Add	0.77
		For 300 LB Rating Teflon Gasket Set, Add	0.89
		For Work In Restricted Working Space, Add	11.55
23 21 13 23-0615	EA	1", 150 LB, Rubber Flange Gasket Replacement	42.27
		For 300 LB Rating Gasket Set, Add	0.06
		For 150 LB Rating Teflon Gasket Set, Add	1.39
		For 300 LB Rating Teflon Gasket Set, Add	1.60
		For Work In Restricted Working Space, Add	12.63
23 21 13 23-0616	EA	1-1/4", 150 LB, Rubber Flange Gasket Replacement	45.90
		For 300 LB Rating Gasket Set, Add	0.07
		For 150 LB Rating Teflon Gasket Set, Add	1.55
		For 300 LB Rating Teflon Gasket Set, Add	1.78
		For Work In Restricted Working Space, Add	13.71
23 21 13 23-0617	EA	1-1/2", 150 LB, Rubber Flange Gasket Replacement	50.76
		For 300 LB Rating Gasket Set, Add	0.09
		For 150 LB Rating Teflon Gasket Set, Add	1.93
		For 300 LB Rating Teflon Gasket Set, Add	2.23
		For Work In Restricted Working Space, Add	15.15
23 21 13 23-0618	EA	2", 150 LB, Rubber Flange Gasket Replacement	55.69
		For 300 LB Rating Gasket Set, Add	0.13
		For 150 LB Rating Teflon Gasket Set, Add	2.78
		For 300 LB Rating Teflon Gasket Set, Add	3.20
		For Work In Restricted Working Space, Add	16.60
23 21 13 23-0619	EA	2-1/2", 150 LB, Rubber Flange Gasket Replacement	65.42
		For 300 LB Rating Gasket Set, Add	0.17
		For 150 LB Rating Teflon Gasket Set, Add	3.71
		For 300 LB Rating Teflon Gasket Set, Add	4.27
		For Work In Restricted Working Space, Add	19.48
23 21 13 23-0620	EA	3", 150 LB, Rubber Flange Gasket Replacement	69.12
		For 300 LB Rating Gasket Set, Add	0.20
		For 150 LB Rating Teflon Gasket Set, Add	4.33
		For 300 LB Rating Teflon Gasket Set, Add	4.98
		For Work In Restricted Working Space, Add	20.57
23 21 13 23-0621	EA	4", 150 LB, Rubber Flange Gasket Replacement	91.13
		For 300 LB Rating Gasket Set, Add	0.32
		For 150 LB Rating Teflon Gasket Set, Add	7.11
		For 300 LB Rating Teflon Gasket Set, Add	8.19
		For Work In Restricted Working Space, Add	27.06
23 21 13 23-0622	EA	5", 150 LB, Rubber Flange Gasket Replacement	105.66
		For 300 LB Rating Gasket Set, Add	0.36
		For 150 LB Rating Teflon Gasket Set, Add	7.88
		For 300 LB Rating Teflon Gasket Set, Add	9.08
		For Work In Restricted Working Space, Add	31.39
23 21 13 23-0623	EA	6", 150 LB, Rubber Flange Gasket Replacement	120.39
		For 300 LB Rating Gasket Set, Add	0.46
		For 150 LB Rating Teflon Gasket Set, Add	10.20
		For 300 LB Rating Teflon Gasket Set, Add	11.75
		For Work In Restricted Working Space, Add	35.72
23 21 13 23-0624	EA	8", 150 LB, Rubber Flange Gasket Replacement	146.26
		For 300 LB Rating Gasket Set, Add	0.68
		For 150 LB Rating Teflon Gasket Set, Add	14.92
		For 300 LB Rating Teflon Gasket Set, Add	17.18
		For Work In Restricted Working Space, Add	43.30
23 21 13 23-0625	EA	10", 150 LB, Rubber Flange Gasket Replacement	156.69
		For 300 LB Rating Gasket Set, Add	0.96
		For 150 LB Rating Teflon Gasket Set, Add	21.18
		For 300 LB Rating Teflon Gasket Set, Add	24.39
		For Work In Restricted Working Space, Add	46.19
23 21 13 23-0626	EA	12", 150 LB, Rubber Flange Gasket Replacement	177.91
		For 300 LB Rating Gasket Set, Add	1.23
		For 150 LB Rating Teflon Gasket Set, Add	27.13
		For 300 LB Rating Teflon Gasket Set, Add	31.24
		For Work In Restricted Working Space, Add	52.32
23 21 13 23-0627	EA	14", 150 LB, Rubber Flange Gasket Replacement	184.61
		For 300 LB Rating Gasket Set, Add	1.47
		For 150 LB Rating Teflon Gasket Set, Add	32.39
		For 300 LB Rating Teflon Gasket Set, Add	37.29
		For Work In Restricted Working Space, Add	54.13
23 21 13 23-0628	EA	16", 150 LB, Rubber Flange Gasket Replacement	245.22
		For 300 LB Rating Gasket Set, Add	1.64
		For 150 LB Rating Teflon Gasket Set, Add	36.18
		For 300 LB Rating Teflon Gasket Set, Add	41.65
		For Work In Restricted Working Space, Add	72.16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0629	EA	18", 150 LB, Rubber Flange Gasket Replacement <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i> <i>For 300 LB Rating Teflon Gasket Set, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.27 1.71 37.72 43.43 79.02	
23 21	13 23-0630	EA	20", 150 LB, Rubber Flange Gasket Replacement <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i> <i>For 300 LB Rating Teflon Gasket Set, Add</i> <i>For Work In Restricted Working Space, Add</i>	326.34 1.83 40.51 46.64 96.33	
23 21	13 23-0631		Cut And Prepare For Welding Existing In-Place Black Steel Pipe <small>(23 21 13 23-0393)</small> Note: For use when connecting pipe to an existing in-place system.		
23 21	13 23-0632	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	24.62 7.39	
23 21	13 23-0633	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	26.59 7.98	
23 21	13 23-0634	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	29.91 8.97	
23 21	13 23-0635	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	31.39 9.42	
23 21	13 23-0636	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	33.24 9.97	
23 21	13 23-0637	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	35.70 10.71	
23 21	13 23-0638	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	38.16 11.45	
23 21	13 23-0639	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	41.86 12.56	
23 21	13 23-0640	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	45.54 13.66	
23 21	13 23-0641	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	49.24 14.77	
23 21	13 23-0642	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	52.94 15.88	
23 21	13 23-0643	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	57.86 17.36	
23 21	13 23-0644	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	62.78 18.83	
23 21	13 23-0645	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	67.70 20.31	
23 21	13 23-0646	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	72.62 21.79	
23 21	13 23-0647	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	76.32 22.90	
23 21	13 23-0648	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	80.02 24.01	
23 21	13 23-0649	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	84.94 25.48	
23 21	13 23-0650		Welded Plain End Electric Resistance Black Steel Pipe <small>(23 21 13 23-0393)</small> Note: ASTM A-135.		
23 21	13 23-0651	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	24.92 6.55	13.34
23 21	13 23-0652	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	26.59 6.55	14.55
23 21	13 23-0653	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	27.28 6.42	14.31
23 21	13 23-0654	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	34.36 8.18	18.19
23 21	13 23-0655	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	54.09 12.10	26.92
23 21	13 23-0656	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	66.85 14.24	31.60
23 21	13 23-0657	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	87.84 17.71	39.34
23 21	13 23-0658	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	106.38 21.34	47.45
23 21	13 23-0659	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	136.56 27.70	61.57
23 21	13 23-0660		Flanged Steel Fittings <small>(23 21 13 23)</small> See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0525 for welded neck flange ends.		
23 21	13 23-0661		Flanged Steel Fittings, Standard Weight <small>(23 21 13 23-0660)</small> Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21	13 23-0662		Flanged Steel, 90 Degree Elbows <small>(23 21 13 23-0661)</small>		
23 21	13 23-0663	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	583.47 403.33 604.99	52.91

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0664	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	650.80 449.94 674.92	58.91
23 21	13 23-0665	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	644.66 437.78 656.68	65.03
23 21	13 23-0666	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	820.14 565.47 848.21	75.57
23 21	13 23-0667	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,152.96 820.85 1,231.27	84.63
23 21	13 23-0668	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,216.41 855.30 1,282.96	98.23
23 21	13 23-0669	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,548.19 1,108.03 1,662.05	108.77
23 21 13 23-0670 Flanged Steel, Reducing 90 Degree Elbows (23 21 13 23-0661)					
23 21	13 23-0671	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,102.30 814.77 1,222.15	55.97
23 21	13 23-0672	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,146.83 843.14 1,264.72	61.98
23 21	13 23-0673	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,430.38 1,060.02 1,590.02	70.25
23 21	13 23-0674	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,774.13 1,329.58 1,994.36	74.78
23 21	13 23-0675	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,020.27 1,511.98 2,267.98	86.89
23 21	13 23-0676	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,822.99 2,134.22 3,201.32	103.55
23 21 13 23-0677 Flanged Steel, 45 Degree Elbows (23 21 13 23-0661)					
23 21	13 23-0678	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	765.89 549.26 823.90	52.91
23 21	13 23-0679	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	797.75 567.50 851.26	58.91
23 21	13 23-0680	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	827.08 583.72 875.58	65.03
23 21	13 23-0681	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,032.96 735.73 1,103.59	75.57
23 21	13 23-0682	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,497.52 1,096.50 1,644.74	84.63
23 21	13 23-0683	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,454.56 1,045.82 1,568.74	98.23
23 21	13 23-0684	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,717.78 1,243.70 1,865.56	108.77
23 21 13 23-0685 Flanged Steel, Tees (23 21 13 23-0661)					
23 21	13 23-0686	EA	2" Standard Weight, Flanged Steel, Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	744.73 500.62 750.92	79.31
23 21	13 23-0687	EA	2-1/2" Standard Weight, Flanged Steel, Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	966.07 666.82 1,000.22	88.37
23 21	13 23-0688	EA	3" Standard Weight, Flanged Steel, Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	875.82 583.73 875.59	97.43
23 21	13 23-0689	EA	4" Standard Weight, Flanged Steel, Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,259.31 871.50 1,307.24	113.41
23 21	13 23-0690	EA	5" Standard Weight, Flanged Steel, Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,883.65 1,354.65 2,031.97	127.01
23 21	13 23-0691	EA	6" Standard Weight, Flanged Steel, Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,301.25 1,664.26 2,496.40	147.40
23 21	13 23-0692	EA	8" Standard Weight, Flanged Steel, Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,545.60 1,831.64 2,747.46	170.73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0693			Flanged Steel, Reducing Tees (23 21 13 23-0661)		
23 21 13 23-0694	EA		2-1/2" Standard Weight, Flanged Steel, Reducing Tee	1,189.55	85.43
			<i>For Galvanized Fittings, Add</i>	849.22	
			<i>For Extra Heavy Weight Fittings, Add</i>	1,273.84	
23 21 13 23-0695	EA		3" Standard Weight, Flanged Steel, Reducing Tee.....	1,375.44	94.49
			<i>For Galvanized Fittings, Add</i>	987.05	
			<i>For Extra Heavy Weight Fittings, Add</i>	1,480.57	
23 21 13 23-0696	EA		4" Standard Weight, Flanged Steel, Reducing Tee.....	2,383.72	108.09
			<i>For Galvanized Fittings, Add</i>	1,777.37	
			<i>For Extra Heavy Weight Fittings, Add</i>	2,666.05	
23 21 13 23-0697	EA		5" Standard Weight, Flanged Steel, Reducing Tee.....	2,574.86	122.47
			<i>For Galvanized Fittings, Add</i>	1,913.05	
			<i>For Extra Heavy Weight Fittings, Add</i>	2,869.57	
23 21 13 23-0698	EA		6" Standard Weight, Flanged Steel, Reducing Tee.....	3,240.86	140.60
			<i>For Galvanized Fittings, Add</i>	2,424.10	
			<i>For Extra Heavy Weight Fittings, Add</i>	3,636.14	
23 21 13 23-0699	EA		8" Standard Weight, Flanged Steel, Reducing Tee.....	4,052.22	157.93
			<i>For Galvanized Fittings, Add</i>	3,052.34	
			<i>For Extra Heavy Weight Fittings, Add</i>	4,578.52	
23 21 13 23-0700			Flanged Steel, Concentric Reducers (23 21 13 23-0661)		
23 21 13 23-0701	EA		3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	1,131.63	61.98
			<i>For Galvanized Fittings, Add</i>	830.98	
			<i>For Extra Heavy Weight Fittings, Add</i>	1,246.48	
23 21 13 23-0702	EA		4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	1,285.97	70.25
			<i>For Galvanized Fittings, Add</i>	944.49	
			<i>For Extra Heavy Weight Fittings, Add</i>	1,416.73	
23 21 13 23-0703	EA		5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,916.33	80.10
			<i>For Galvanized Fittings, Add</i>	1,436.99	
			<i>For Extra Heavy Weight Fittings, Add</i>	2,155.49	
23 21 13 23-0704	EA		6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	2,114.02	86.89
			<i>For Galvanized Fittings, Add</i>	1,586.98	
			<i>For Extra Heavy Weight Fittings, Add</i>	2,380.48	
23 21 13 23-0705	EA		8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	2,475.90	103.55
			<i>For Galvanized Fittings, Add</i>	1,856.54	
			<i>For Extra Heavy Weight Fittings, Add</i>	2,784.82	
23 21 13 23-0706			Flanged Steel, Eccentric Reducers (23 21 13 23-0661)		
23 21 13 23-0707	EA		4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer.....	1,501.31	70.25
			<i>For Galvanized Fittings, Add</i>	1,116.76	
			<i>For Extra Heavy Weight Fittings, Add</i>	1,675.14	
23 21 13 23-0708	EA		5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer.....	2,053.14	80.10
			<i>For Galvanized Fittings, Add</i>	1,546.44	
			<i>For Extra Heavy Weight Fittings, Add</i>	2,319.66	
23 21 13 23-0709			Plain End Couplings And Fittings (23 21 13 23)		
			Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
23 21 13 23-0710			Plain End Piping System Couplings (23 21 13 23-0709)		
23 21 13 23-0711			Plainlock Plain End Piping System Couplings (23 21 13 23-0710)		
			Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0712	EA		1" Plainlock Plain End Piping System Coupling.....	148.54	6.80
			<i>For Galvanized Fittings, Add</i>	27.67	
23 21 13 23-0713	EA		1-1/2" Plainlock Plain End Piping System Coupling.....	152.50	9.40
			<i>For Galvanized Fittings, Add</i>	27.67	
23 21 13 23-0714	EA		2" Plainlock Plain End Piping System Coupling.....	157.10	12.46
			<i>For Galvanized Fittings, Add</i>	27.67	
23 21 13 23-0715	EA		2-1/2" Plainlock Plain End Piping System Coupling.....	161.01	15.07
			<i>For Galvanized Fittings, Add</i>	27.67	
23 21 13 23-0716	EA		3" Plainlock Plain End Piping System Coupling.....	190.45	18.13
			<i>For Galvanized Fittings, Add</i>	32.65	
23 21 13 23-0717	EA		4" Plainlock Plain End Piping System Coupling.....	262.45	24.14
			<i>For Galvanized Fittings, Add</i>	45.24	
23 21 13 23-0718	EA		6" Plainlock Plain End Piping System Coupling.....	440.87	39.32
			<i>For Galvanized Fittings, Add</i>	76.39	
23 21 13 23-0719			Roust-A-Bout Plain End Piping System Couplings (23 21 13 23-0710)		
			Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0720	EA		1-1/2" Roust-A-Bout Plain End Piping System Coupling.....	179.36	9.40
			<i>For Galvanized Fittings, Add</i>	41.30	
23 21 13 23-0721	EA		2" Roust-A-Bout Plain End Piping System Coupling.....	183.96	12.46
			<i>For Galvanized Fittings, Add</i>	41.30	
23 21 13 23-0722	EA		2-1/2" Roust-A-Bout Plain End Piping System Coupling.....	187.88	15.18
			<i>For Galvanized Fittings, Add</i>	41.30	
23 21 13 23-0723	EA		3" Roust-A-Bout Plain End Piping System Coupling.....	271.90	18.13
			<i>For Galvanized Fittings, Add</i>	61.18	
23 21 13 23-0724	EA		3-1/2" Roust-A-Bout Plain End Piping System Coupling.....	314.96	21.19
			<i>For Galvanized Fittings, Add</i>	70.80	
23 21 13 23-0725	EA		4" Roust-A-Bout Plain End Piping System Coupling.....	319.44	24.14
			<i>For Galvanized Fittings, Add</i>	70.80	
23 21 13 23-0726	EA		5" Roust-A-Bout Plain End Piping System Coupling.....	449.96	30.25
			<i>For Galvanized Fittings, Add</i>	101.15	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0727	EA	6" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	553.09 123.54	39.32
23 21	13 23-0728	EA	8" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	946.55 219.06	46.90
23 21	13 23-0729	EA	10" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,223.27 284.99	55.51
23 21	13 23-0730	EA	12" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,529.00 357.61	65.71
23 21	13 23-0731	EA	14" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	2,140.15 507.80	72.63
23 21	13 23-0732	EA	16" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	2,904.74 695.40	82.14
23 21	13 23-0733		Plain End Piping System Fittings (23 21 13 23-0709) Note: Cast ductile iron bodies.		
23 21	13 23-0734		Plain End Piping System, 90 Degree Elbows (23 21 13 23-0733)		
23 21	13 23-0735	EA	1" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	149.10 26.12	12.35
23 21	13 23-0736	EA	1-1/2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	158.63 26.12	18.69
23 21	13 23-0737	EA	2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	167.62 26.12	24.70
23 21	13 23-0738	EA	2-1/2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	175.70 26.12	30.13
23 21	13 23-0739	EA	3" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	211.53 31.37	36.48
23 21	13 23-0740	EA	4" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	300.81 45.75	48.04
23 21	13 23-0741	EA	5" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	881.97 158.35	60.16
23 21	13 23-0742	EA	6" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	747.61 125.92	78.75
23 21	13 23-0743	EA	8" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,469.95 265.95	93.47
23 21	13 23-0744	EA	10" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,835.00 334.26	109.22
23 21	13 23-0745	EA	12" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	2,324.61 425.58	131.20
23 21	13 23-0746		Plain End Piping System, 45 Degree Elbows (23 21 13 23-0733)		
23 21	13 23-0747	EA	1" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	149.10 26.12	12.35
23 21	13 23-0748	EA	1-1/2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	158.63 26.12	18.69
23 21	13 23-0749	EA	2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	167.62 26.12	24.70
23 21	13 23-0750	EA	2-1/2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	175.70 26.12	30.13
23 21	13 23-0751	EA	3" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	211.53 31.37	36.48
23 21	13 23-0752	EA	4" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	300.81 45.75	48.04
23 21	13 23-0753	EA	5" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	881.97 158.35	60.16
23 21	13 23-0754	EA	6" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	750.03 126.40	78.75
23 21	13 23-0755	EA	8" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,469.95 146.13	93.47
23 21	13 23-0756	EA	10" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,835.00 203.93	109.22
23 21	13 23-0757	EA	12" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	2,324.61 263.45	131.20
23 21	13 23-0758		Plain End Piping System, Tees (23 21 13 23-0733)		
23 21	13 23-0759	EA	1" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	203.89 35.17	18.69
23 21	13 23-0760	EA	1-1/2" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	217.94 35.17	28.09
23 21	13 23-0761	EA	2" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	230.32 35.17	36.37
23 21	13 23-0762	EA	2-1/2" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	242.65 35.17	44.52
23 21	13 23-0763	EA	3" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	335.17 50.61	54.72
23 21	13 23-0764	EA	4" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	458.04 70.39	70.81
23 21	13 23-0765	EA	5" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	911.97 154.63	92.56
23 21	13 23-0766	EA	6" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	1,127.95 190.84	115.90
23 21	13 23-0767	EA	8" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	1,533.49 264.42	140.94
23 21	13 23-0768	EA	10" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	2,265.28 403.80	164.28

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

23 21	13 23-0769	EA	12" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	3,026.29 546.25	196.80
23 21 13 23-0770 Plain End Piping System, Reducing Tees <small>(23 21 13 23-0733)</small>					
23 21	13 23-0771	EA	1-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	392.75 69.52	30.13
23 21	13 23-0772	EA	2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	402.06 69.52	36.37
23 21	13 23-0773	EA	2-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	414.39 69.52	44.52
23 21	13 23-0774	EA	3" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	429.69 69.52	54.72
23 21	13 23-0775	EA	4" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	619.25 102.63	70.81
23 21	13 23-0776	EA	6" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,045.17 174.28	115.90
23 21	13 23-0777	EA	8" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,358.97 229.52	140.94
23 21	13 23-0778	EA	10" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	2,015.48 353.84	164.28
23 21	13 23-0779	EA	12" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	2,954.81 531.95	196.80
23 21 13 23-0780 Plain End Piping System, Wyes <small>(23 21 13 23-0733)</small>					
23 21	13 23-0781	EA	2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	569.57 103.02	36.37
23 21	13 23-0782	EA	2-1/2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	581.90 103.02	44.52
23 21	13 23-0783	EA	3" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	661.10 115.80	54.72
23 21	13 23-0784	EA	4" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	965.51 171.88	70.81
23 21	13 23-0785	EA	5" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,184.64 209.16	92.56
23 21	13 23-0786	EA	6" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,613.88 288.02	115.90
23 21	13 23-0787	EA	8" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	2,076.42 373.01	140.94
23 21	13 23-0788	EA	10" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	2,996.53 550.05	164.28
23 21	13 23-0789	EA	12" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	4,534.78 847.95	196.80
23 21 13 23-0790 Plain End Piping System, Laterals <small>(23 21 13 23-0733)</small>					
23 21	13 23-0791	EA	2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	605.99 110.30	36.37
23 21	13 23-0792	EA	2-1/2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	618.32 110.30	44.52
23 21	13 23-0793	EA	3" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	697.29 123.04	54.72
23 21	13 23-0794	EA	4" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,034.62 185.71	70.81
23 21	13 23-0795	EA	5" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,349.24 242.08	92.56
23 21	13 23-0796	EA	6" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,719.78 309.20	115.90
23 21	13 23-0797	EA	8" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	2,465.41 450.81	140.94
23 21	13 23-0798	EA	10" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	3,428.12 636.37	164.28
23 21	13 23-0799	EA	12" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	4,598.93 860.78	196.80
23 21 13 23-0800 Plain End Piping System, Crosses <small>(23 21 13 23-0733)</small>					
23 21	13 23-0801	EA	2" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	680.48 74.86	54.50
23 21	13 23-0802	EA	2-1/2" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	698.94 74.86	66.73
23 21	13 23-0803	EA	3" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	817.73 86.82	82.14
23 21	13 23-0804	EA	4" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,113.31 119.27	106.16
23 21	13 23-0805	EA	5" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,563.53 169.41	138.90
23 21	13 23-0806	EA	6" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	2,049.38 223.69	173.35
23 21	13 23-0807	EA	8" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	2,610.49 286.97	209.94
23 21	13 23-0808	EA	10" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	3,717.53 418.71	245.40
23 21	13 23-0809	EA	12" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	5,272.56 603.75	295.25

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0810			Plain End Piping System, Adapter Nipples (23 21 13 23-0733) Note: Plain to threaded, plain to beveled or plain to grooved.		
23 21 13 23-0811	EA		1" Plain End Piping System, Adapter Nipple.....	26.30	6.80
			<i>For Galvanized Fittings, Add</i>	4.03	
23 21 13 23-0812	EA		1-1/2" Plain End Piping System, Adapter Nipple.....	30.70	9.40
			<i>For Galvanized Fittings, Add</i>	4.14	
23 21 13 23-0813	EA		2" Plain End Piping System, Adapter Nipple.....	35.18	12.46
			<i>For Galvanized Fittings, Add</i>	4.14	
23 21 13 23-0814	EA		2-1/2" Plain End Piping System, Adapter Nipple.....	42.04	15.07
			<i>For Galvanized Fittings, Add</i>	4.85	
23 21 13 23-0815	EA		3" Plain End Piping System, Adapter Nipple.....	51.14	18.13
			<i>For Galvanized Fittings, Add</i>	5.99	
23 21 13 23-0816	EA		4" Plain End Piping System, Adapter Nipple.....	76.29	24.14
			<i>For Galvanized Fittings, Add</i>	10.01	
23 21 13 23-0817	EA		6" Plain End Piping System, Adapter Nipple.....	153.61	30.25
			<i>For Galvanized Fittings, Add</i>	27.07	
23 21 13 23-0818			Plain End Piping System, Reducing (Swaged) Nipples (23 21 13 23-0733)		
23 21 13 23-0819	EA		1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	78.46	16.20
			<i>For Galvanized Fittings, Add</i>	13.53	
23 21 13 23-0820	EA		2" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	83.00	19.26
			<i>For Galvanized Fittings, Add</i>	13.53	
23 21 13 23-0821	EA		2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	87.58	22.32
			<i>For Galvanized Fittings, Add</i>	13.53	
23 21 13 23-0822	EA		2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	86.47	21.64
			<i>For Galvanized Fittings, Add</i>	13.53	
23 21 13 23-0823	EA		2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	90.94	24.59
			<i>For Galvanized Fittings, Add</i>	13.53	
23 21 13 23-0824	EA		2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	95.45	27.53
			<i>For Galvanized Fittings, Add</i>	13.53	
23 21 13 23-0825	EA		3" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	103.21	24.93
			<i>For Galvanized Fittings, Add</i>	16.47	
23 21 13 23-0826	EA		3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	107.24	27.53
			<i>For Galvanized Fittings, Add</i>	16.47	
23 21 13 23-0827	EA		3" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	96.59	30.59
			<i>For Galvanized Fittings, Add</i>	12.67	
23 21 13 23-0828	EA		3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	105.36	36.48
			<i>For Galvanized Fittings, Add</i>	12.67	
23 21 13 23-0829	EA		3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	119.48	39.32
			<i>For Galvanized Fittings, Add</i>	15.15	
23 21 13 23-0830	EA		4" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	139.08	30.93
			<i>For Galvanized Fittings, Add</i>	23.16	
23 21 13 23-0831	EA		4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	143.05	33.65
			<i>For Galvanized Fittings, Add</i>	23.16	
23 21 13 23-0832	EA		4" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	125.16	36.71
			<i>For Galvanized Fittings, Add</i>	17.54	
23 21 13 23-0833	EA		4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	129.05	39.32
			<i>For Galvanized Fittings, Add</i>	17.54	
23 21 13 23-0834	EA		4" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	133.66	42.37
			<i>For Galvanized Fittings, Add</i>	17.54	
23 21 13 23-0835	EA		4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	138.08	45.32
			<i>For Galvanized Fittings, Add</i>	17.54	
23 21 13 23-0836	EA		5" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	322.09	42.71
			<i>For Galvanized Fittings, Add</i>	64.50	
23 21 13 23-0837	EA		5" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	271.59	48.26
			<i>For Galvanized Fittings, Add</i>	49.79	
23 21 13 23-0838	EA		5" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	245.50	54.50
			<i>For Galvanized Fittings, Add</i>	40.97	
23 21 13 23-0839	EA		6" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	560.68	46.11
			<i>For Galvanized Fittings, Add</i>	122.90	
23 21 13 23-0840	EA		6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	564.60	48.72
			<i>For Galvanized Fittings, Add</i>	122.90	
23 21 13 23-0841	EA		6" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	441.21	51.78
			<i>For Galvanized Fittings, Add</i>	90.90	
23 21 13 23-0842	EA		6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	445.24	54.50
			<i>For Galvanized Fittings, Add</i>	90.90	
23 21 13 23-0843	EA		6" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	321.74	57.44
			<i>For Galvanized Fittings, Add</i>	58.91	
23 21 13 23-0844	EA		6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	325.85	60.16
			<i>For Galvanized Fittings, Add</i>	58.91	
23 21 13 23-0845	EA		6" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	273.75	63.44
			<i>For Galvanized Fittings, Add</i>	44.68	
23 21 13 23-0846	EA		6" x 5" Plain End Piping System, Reducing (Swaged) Nipple.....	309.05	69.45
			<i>For Galvanized Fittings, Add</i>	51.23	
23 21 13 23-0847	EA		8" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	381.52	64.92
			<i>For Galvanized Fittings, Add</i>	71.05	
23 21 13 23-0848	EA		8" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	390.67	71.04
			<i>For Galvanized Fittings, Add</i>	71.05	
23 21 13 23-0849	EA		8" x 5" Plain End Piping System, Reducing (Swaged) Nipple.....	438.91	77.16
			<i>For Galvanized Fittings, Add</i>	80.83	
23 21 13 23-0850	EA		8" x 6" Plain End Piping System, Reducing (Swaged) Nipple.....	491.74	86.22
			<i>For Galvanized Fittings, Add</i>	90.60	
23 21 13 23-0851			Plain End Piping System, Bull Plugs (23 21 13 23-0733)		
23 21 13 23-0852	EA		1" Plain End Piping System, Bull Plug.....	294.13	6.80
			<i>For Galvanized Fittings, Add</i>	85.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0853 EA 1-1/2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	298.09 85.18	9.40
23 21 13 23-0854 EA 2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	302.57 85.18	12.46
23 21 13 23-0855 EA 2-1/2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	306.59 85.18	15.07
23 21 13 23-0856 EA 3" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	443.41 124.87	18.13
23 21 13 23-0857 EA 4" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	573.86 161.28	24.14
23 21 13 23-0858 EA 5" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	995.39 285.02	30.25
23 21 13 23-0859 EA 6" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	1,326.06 380.15	39.32
23 21 13 23-0860 EA 8" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	2,452.56 714.70	46.79
23 21 13 23-0861 EA 10" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	4,406.79 1,297.41	54.72
23 21 13 23-0862 EA 12" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	6,749.16 1,995.18	65.71
23 21 13 23-0863 Carbon Steel Piping Systems (23 21 13 23)		
23 21 13 23-0864 Class 3,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-0863) Note: ASTM A105		
23 21 13 23-0865 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0864)		
23 21 13 23-0866 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	40.05	22.44
23 21 13 23-0867 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	44.98	25.04
23 21 13 23-0868 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	55.61	27.98
23 21 13 23-0869 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	72.97	31.72
23 21 13 23-0870 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	83.19	35.69
23 21 13 23-0871 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	111.54	45.44
23 21 13 23-0872 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	211.09	67.18
23 21 13 23-0873 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	297.27	88.37
23 21 13 23-0874 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	492.78	95.36
23 21 13 23-0875 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0864)		
23 21 13 23-0876 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	42.90	22.44
23 21 13 23-0877 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	49.30	25.04
23 21 13 23-0878 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	56.94	27.98
23 21 13 23-0879 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	74.65	31.72
23 21 13 23-0880 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	87.22	35.69
23 21 13 23-0881 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	111.46	45.44
23 21 13 23-0882 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	235.75	67.18
23 21 13 23-0883 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	318.13	88.37
23 21 13 23-0884 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	483.75	95.36
23 21 13 23-0885 Straight Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0864)		
23 21 13 23-0886 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	49.32	27.98
23 21 13 23-0887 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	59.05	32.29
23 21 13 23-0888 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	76.03	38.18
23 21 13 23-0889 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	98.71	45.44
23 21 13 23-0890 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	119.25	54.16
23 21 13 23-0891 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	155.92	67.18
23 21 13 23-0892 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	265.43	88.37
23 21 13 23-0893 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	356.94	104.91
23 21 13 23-0894 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	649.40	120.39
23 21 13 23-0895 Reducing Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0864)		
23 21 13 23-0896 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	50.11	27.98
23 21 13 23-0897 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	59.86	32.29
23 21 13 23-0898 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	77.00	38.18
23 21 13 23-0899 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	101.01	45.44
23 21 13 23-0900 EA 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	121.94	54.16
23 21 13 23-0901 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	160.05	67.18
23 21 13 23-0902 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	275.23	88.37
23 21 13 23-0903 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	371.06	104.91
23 21 13 23-0904 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	599.17	120.39
23 21 13 23-0905 Straight Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0864)		
23 21 13 23-0906 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	36.53	22.44
23 21 13 23-0907 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	41.09	25.04
23 21 13 23-0908 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	47.34	27.98
23 21 13 23-0909 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	54.29	31.72
23 21 13 23-0910 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	62.68	35.69
23 21 13 23-0911 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	81.36	45.44
23 21 13 23-0912 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 LB.....	134.21	67.18
23 21 13 23-0913 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	178.71	88.37
23 21 13 23-0914 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	235.06	95.36

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
						UNIT COST	UNIT COST	
23 21 13 23-0915		Reducing Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0864)						
23 21	13 23-0916	EA			1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	38.12	22.44	
23 21	13 23-0917	EA			3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	42.83	25.04	
23 21	13 23-0918	EA			1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	50.13	27.98	
23 21	13 23-0919	EA			1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	57.67	31.72	
23 21	13 23-0920	EA			1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	67.70	35.69	
23 21	13 23-0921	EA			2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	86.72	45.44	
23 21	13 23-0922	EA			2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	146.01	67.18	
23 21	13 23-0923	EA			3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	202.44	88.37	
23 21	13 23-0924	EA			4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	284.39	95.36	
23 21 13 23-0925		Caps, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0864)						
23 21	13 23-0926	EA			1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	20.42	10.54	
23 21	13 23-0927	EA			3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	22.91	11.21	
23 21	13 23-0928	EA			1" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	26.78	12.91	
23 21	13 23-0929	EA			1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	30.66	14.05	
23 21	13 23-0930	EA			1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	34.21	14.05	
23 21	13 23-0931	EA			2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	44.33	18.02	
23 21	13 23-0932	EA			2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	74.23	22.44	
23 21	13 23-0933	EA			3" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	104.65	27.08	
23 21	13 23-0934	EA			4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	148.87	32.63	
23 21 13 23-0935		Black Cast Iron Square Head Plug (23 21 13 23-0864)						
23 21	13 23-0936	EA			1/2" Square Head Plug, Black, Cast Iron.....	14.39	8.95	
23 21	13 23-0937	EA			3/4" Square Head Plug, Black, Cast Iron.....	15.90	8.95	
23 21	13 23-0938	EA			1" Square Head Plug, Black, Cast Iron.....	23.13	13.59	
23 21	13 23-0939	EA			1-1/4" Square Head Plug, Black, Cast Iron.....	23.43	13.59	
23 21	13 23-0940	EA			1-1/2" Square Head Plug, Black, Cast Iron.....	24.69	13.59	
23 21	13 23-0941	EA			2" Square Head Plug, Black, Cast Iron.....	32.75	18.02	
23 21	13 23-0942	EA			2-1/2" Square Head Plug, Black, Cast Iron.....	41.81	22.44	
23 21	13 23-0943	EA			3" Square Head Plug, Black, Cast Iron.....	53.82	27.08	
23 21	13 23-0944	EA			4" Square Head Plug, Black, Cast Iron.....	64.52	32.63	
23 21 13 23-0945		Unions, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0864)						
23 21	13 23-0946	EA			1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	58.55	27.98	
23 21	13 23-0947	EA			3/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	65.44	32.29	
23 21	13 23-0948	EA			1" Union, Carbon Steel, Socket Weld, 3,000 LB.....	82.10	38.18	
23 21	13 23-0949	EA			1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	102.38	45.44	
23 21	13 23-0950	EA			1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	123.12	54.16	
23 21	13 23-0951	EA			2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	153.67	67.18	
23 21	13 23-0952	EA			2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	245.06	72.97	
23 21	13 23-0953	EA			3" Union, Carbon Steel, Socket Weld, 3,000 LB.....	324.70	88.37	
23 21 13 23-0954		Class 6,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-0863)						
		Note: ASTM A105						
23 21 13 23-0955		90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0954)						
23 21	13 23-0956	EA			1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	43.49	22.44	
23 21	13 23-0957	EA			3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	48.92	25.04	
23 21	13 23-0958	EA			1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	62.86	27.98	
23 21	13 23-0959	EA			1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	86.48	31.72	
23 21	13 23-0960	EA			1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	98.92	35.69	
23 21	13 23-0961	EA			2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	134.65	45.44	
23 21	13 23-0962	EA			2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	269.71	67.18	
23 21	13 23-0963	EA			3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	384.77	88.37	
23 21	13 23-0964	EA			4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	678.60	95.36	
23 21 13 23-0965		45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0954)						
23 21	13 23-0966	EA			1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	48.19	22.44	
23 21	13 23-0967	EA			3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	55.94	25.04	
23 21	13 23-0968	EA			1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	65.42	27.98	
23 21	13 23-0969	EA			1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	90.01	31.72	
23 21	13 23-0970	EA			1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	106.27	35.69	
23 21	13 23-0971	EA			2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	136.04	45.44	
23 21	13 23-0972	EA			2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	312.21	67.18	
23 21	13 23-0973	EA			3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	423.23	88.37	
23 21	13 23-0974	EA			4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	676.74	95.36	
23 21 13 23-0975		Straight Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0954)						
23 21	13 23-0976	EA			1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	56.14	27.98	
23 21	13 23-0977	EA			3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	68.90	32.29	
23 21	13 23-0978	EA			1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	93.46	38.18	
23 21	13 23-0979	EA			1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	127.12	45.44	
23 21	13 23-0980	EA			1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	154.48	54.16	
23 21	13 23-0981	EA			2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	207.06	67.18	
23 21	13 23-0982	EA			2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	388.54	88.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0983	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	541.79	104.91
23 21	13 23-0984	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	1,083.69	120.39
23 21	13 23-0985		Reducing Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0984)		
23 21	13 23-0986	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	50.11	27.98
23 21	13 23-0987	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	59.86	32.29
23 21	13 23-0988	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	77.00	38.18
23 21	13 23-0989	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	101.01	45.44
23 21	13 23-0990	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	121.94	54.16
23 21	13 23-0991	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	160.05	67.18
23 21	13 23-0992	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	275.23	88.37
23 21	13 23-0993	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	371.06	104.91
23 21	13 23-0994	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	599.17	120.39
23 21	13 23-0995		Straight Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0954)		
23 21	13 23-0996	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	37.96	22.44
23 21	13 23-0997	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	42.78	25.04
23 21	13 23-0998	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	49.93	27.98
23 21	13 23-0999	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	57.56	31.72
23 21	13 23-1000	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	67.09	35.69
23 21	13 23-1001	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	87.80	45.44
23 21	13 23-1002	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	150.41	67.18
23 21	13 23-1003	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	201.05	88.37
23 21	13 23-1004	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	279.62	95.36
23 21	13 23-1005		Reducing Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0954)		
23 21	13 23-1006	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	40.31	22.44
23 21	13 23-1007	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	45.36	25.04
23 21	13 23-1008	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	54.06	27.98
23 21	13 23-1009	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	62.54	31.72
23 21	13 23-1010	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	74.48	35.69
23 21	13 23-1011	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	95.68	45.44
23 21	13 23-1012	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	167.75	67.18
23 21	13 23-1013	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	236.01	88.37
23 21	13 23-1014	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	352.31	95.36
23 21	13 23-1015		Caps, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0954)		
23 21	13 23-1016	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	23.56	10.54
23 21	13 23-1017	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	27.02	11.21
23 21	13 23-1018	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	31.76	12.91
23 21	13 23-1019	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	37.16	14.05
23 21	13 23-1020	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	43.09	14.05
23 21	13 23-1021	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	55.92	18.02
23 21	13 23-1022	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	101.51	22.44
23 21	13 23-1023	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	147.64	27.08
23 21	13 23-1024	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	215.89	32.63
23 21	13 23-1025		Black Cast Iron Square Head Plug (23 21 13 23-0954)		
23 21	13 23-1026	EA	1/2" Square Head Plug, Black Cast Iron.....	14.39	8.95
23 21	13 23-1027	EA	3/4" Square Head Plug, Black Cast Iron.....	15.92	8.95
23 21	13 23-1028	EA	1" Square Head Plug, Black Cast Iron.....	23.14	13.59
23 21	13 23-1029	EA	1-1/4" Square Head Plug, Black Cast Iron.....	23.45	13.59
23 21	13 23-1030	EA	1-1/2" Square Head Plug, Black Cast Iron.....	24.71	13.59
23 21	13 23-1031	EA	2" Square Head Plug, Black Cast Iron.....	32.78	18.02
23 21	13 23-1032	EA	2-1/2" Square Head Plug, Black Cast Iron.....	41.85	22.44
23 21	13 23-1033	EA	3" Square Head Plug, Black Cast Iron.....	53.89	27.08
23 21	13 23-1034	EA	4" Square Head Plug, Black Cast Iron.....	64.60	32.63
23 21	13 23-1035		Unions, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0954)		
23 21	13 23-1036	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	68.69	27.98
23 21	13 23-1037	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	75.85	32.29
23 21	13 23-1038	EA	1" Union, Carbon Steel, Socket Weld, 6,000 LB.....	97.31	38.18
23 21	13 23-1039	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	123.37	45.44
23 21	13 23-1040	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	148.74	54.16
23 21	13 23-1041	EA	2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	186.05	67.18
23 21	13 23-1042	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	327.97	72.97
23 21	13 23-1043	EA	3" Union, Carbon Steel, Socket Weld, 6,000 LB.....	442.22	88.37
23 21	13 23-1044		Carbon Steel Piping System (23 21 13 23-0863)		
			Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21	13 23-1045		Schedule 40 Carbon Steel Piping (23 21 13 23-1044)		
			Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21	13 23-1046	LF	1/4" ASTM A106 Carbon Steel Pipe, Schedule 40.....	8.19	4.19
			For Schedule 80, Add	0.68	
23 21	13 23-1047	LF	1/2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	8.60	4.53
			For Schedule 80, Add	0.63	
			For Schedule 160, Add	2.61	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1048	LF	3/4" ASTM A106 Carbon Steel Pipe, Schedule 40	9.43	4.87
			<i>For Schedule 80, Add</i>	0.77	
			<i>For Schedule 160, Add</i>	3.20	
23 21	13 23-1049	LF	1" ASTM A106 Carbon Steel Pipe, Schedule 40	10.12	5.33
			<i>For Schedule 80, Add</i>	0.79	
			<i>For Schedule 160, Add</i>	3.29	
23 21	13 23-1050	LF	1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40	13.08	6.57
			<i>For Schedule 80, Add</i>	1.16	
			<i>For Schedule 160, Add</i>	4.85	
23 21	13 23-1051	LF	2" ASTM A106 Carbon Steel Pipe, Schedule 40	16.19	7.93
			<i>For Schedule 80, Add</i>	1.53	
			<i>For Schedule 160, Add</i>	6.39	
23 21	13 23-1052		90 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1044)		
23 21	13 23-1053	EA	1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	29.89	17.22
23 21	13 23-1054	EA	1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	35.82	20.17
23 21	13 23-1055	EA	3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	40.04	22.55
23 21	13 23-1056	EA	1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	45.61	25.15
23 21	13 23-1057	EA	1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	68.46	32.17
23 21	13 23-1058	EA	2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	86.80	40.91
23 21	13 23-1059	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	31.19	17.22
23 21	13 23-1060	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	36.31	20.17
23 21	13 23-1061	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	41.65	22.55
23 21	13 23-1062	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	49.11	25.15
23 21	13 23-1063	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	76.82	32.17
23 21	13 23-1064	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	96.04	40.91
23 21	13 23-1065	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	40.86	20.17
23 21	13 23-1066	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	47.38	22.55
23 21	13 23-1067	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	55.14	25.15
23 21	13 23-1068	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	93.74	32.17
23 21	13 23-1069	EA	2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	140.91	40.91
23 21	13 23-1070		45 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1044)		
23 21	13 23-1071	EA	1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	32.71	17.22
23 21	13 23-1072	EA	1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	36.87	20.17
23 21	13 23-1073	EA	3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	41.40	22.55
23 21	13 23-1074	EA	1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	46.64	25.15
23 21	13 23-1075	EA	1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	65.12	32.17
23 21	13 23-1076	EA	2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	91.95	40.91
23 21	13 23-1077	EA	1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	32.92	17.22
23 21	13 23-1078	EA	1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	38.06	20.17
23 21	13 23-1079	EA	3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	42.78	22.55
23 21	13 23-1080	EA	1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	50.22	25.15
23 21	13 23-1081	EA	1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	75.53	32.17
23 21	13 23-1082	EA	2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	98.92	40.91
23 21	13 23-1083	EA	1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	44.00	20.17
23 21	13 23-1084	EA	3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	53.05	22.55
23 21	13 23-1085	EA	1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	57.26	25.15
23 21	13 23-1086	EA	1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	105.81	32.17
23 21	13 23-1087	EA	2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	141.71	40.91
23 21	13 23-1088		Straight Tees, Screwed Carbon Steel (23 21 13 23-1044)		
23 21	13 23-1089	EA	1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	39.74	23.90
23 21	13 23-1090	EA	1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	45.03	25.15
23 21	13 23-1091	EA	3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	53.49	29.12
23 21	13 23-1092	EA	1" Tee, Straight, 2,000 LB, Screwed Carbon Steel	65.05	34.33
23 21	13 23-1093	EA	1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	101.59	48.72
23 21	13 23-1094	EA	2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	125.96	60.50
23 21	13 23-1095	EA	1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	40.86	23.90
23 21	13 23-1096	EA	1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	45.76	25.15
23 21	13 23-1097	EA	3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	55.91	29.12
23 21	13 23-1098	EA	1" Tee, Straight, 3,000 LB, Screwed Carbon Steel	67.12	34.33
23 21	13 23-1099	EA	1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	108.77	48.72
23 21	13 23-1100	EA	2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	137.83	60.50
23 21	13 23-1101	EA	1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	51.22	25.15
23 21	13 23-1102	EA	3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel	61.77	29.12
23 21	13 23-1103	EA	1" Tee, Straight, 6,000 LB, Screwed Carbon Steel	81.62	34.33
23 21	13 23-1104	EA	1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	125.25	48.72
23 21	13 23-1105	EA	2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	190.36	60.50
23 21	13 23-1106		Crosses, Screwed Carbon Steel (23 21 13 23-1044)		
23 21	13 23-1107	EA	1/4" Cross, 2,000 LB, Screwed Carbon Steel	57.99	30.25
23 21	13 23-1108	EA	1/2" Cross, 2,000 LB, Screwed Carbon Steel	67.84	33.99
23 21	13 23-1109	EA	3/4" Cross, 2,000 LB, Screwed Carbon Steel	72.77	36.25
23 21	13 23-1110	EA	1" Cross, 2,000 LB, Screwed Carbon Steel	89.58	43.73
23 21	13 23-1111	EA	1-1/2" Cross, 2,000 LB, Screwed Carbon Steel	149.52	61.18
23 21	13 23-1112	EA	2" Cross, 2,000 LB, Screwed Carbon Steel	191.55	75.57
23 21	13 23-1113	EA	1/2" Cross, 3,000 LB, Screwed Carbon Steel	69.21	33.99
23 21	13 23-1114	EA	3/4" Cross, 3,000 LB, Screwed Carbon Steel	80.61	36.25
23 21	13 23-1115	EA	1" Cross, 3,000 LB, Screwed Carbon Steel	96.45	43.73
23 21	13 23-1116	EA	1-1/2" Cross, 3,000 LB, Screwed Carbon Steel	159.42	61.18



MINOR	CSI	UOM	DESCRIPTION				TOTAL DIRECT	DEMOLITION	
							UNIT COST	UNIT COST	

23 21	13 23-1117	EA	2" Cross, 3,000 LB, Screwed Carbon Steel	209.63	75.57
23 21	13 23-1118	EA	1/2" Cross, 6,000 LB, Screwed Carbon Steel	94.77	33.99
23 21	13 23-1119	EA	3/4" Cross, 6,000 LB, Screwed Carbon Steel	150.36	36.25
23 21	13 23-1120	EA	1" Cross, 6,000 LB, Screwed Carbon Steel	203.93	43.73
23 21	13 23-1121	EA	1-1/2" Cross, 6,000 LB, Screwed Carbon Steel	319.25	61.18
23 21	13 23-1122	EA	2" Cross, 6,000 LB, Screwed Carbon Steel	353.35	75.57

23 21 13 23-1123 Straight Couplings, Screwed Carbon Steel (23 21 13 23-1044)

23 21	13 23-1124	EA	1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	28.32	17.22
23 21	13 23-1125	EA	1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	32.48	20.17
23 21	13 23-1126	EA	3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	36.94	22.55
23 21	13 23-1127	EA	1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	42.47	25.15
23 21	13 23-1128	EA	1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	60.03	32.17
23 21	13 23-1129	EA	2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	76.20	40.91
23 21	13 23-1130	EA	1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	31.59	17.22
23 21	13 23-1131	EA	1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	34.55	20.17
23 21	13 23-1132	EA	3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	38.53	22.55
23 21	13 23-1133	EA	1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	44.59	25.15
23 21	13 23-1134	EA	1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	63.27	32.17
23 21	13 23-1135	EA	2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	88.04	40.91

23 21 13 23-1136 Reducing Couplings, Screwed Carbon Steel (23 21 13 23-1044)

23 21	13 23-1137	EA	1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	28.77	18.36
23 21	13 23-1138	EA	1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	33.55	20.17
23 21	13 23-1139	EA	3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	38.58	22.55
23 21	13 23-1140	EA	1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	44.74	25.15
23 21	13 23-1141	EA	1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	60.62	32.17
23 21	13 23-1142	EA	2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	79.39	40.91
23 21	13 23-1143	EA	1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	75.50	22.55
23 21	13 23-1144	EA	3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	79.11	20.17
23 21	13 23-1145	EA	1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	91.98	25.15
23 21	13 23-1146	EA	1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	130.49	32.17
23 21	13 23-1147	EA	2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	185.15	40.91

23 21 13 23-1148 Caps, Screwed Carbon Steel (23 21 13 23-1044)

23 21	13 23-1149	EA	1/4" Cap, 3,000 LB, Screwed Carbon Steel	8.22	4.19
23 21	13 23-1150	EA	1/2" Cap, 3,000 LB, Screwed Carbon Steel	9.17	4.76
23 21	13 23-1151	EA	3/4" Cap, 3,000 LB, Screwed Carbon Steel	11.02	5.44
23 21	13 23-1152	EA	1" Cap, 3,000 LB, Screwed Carbon Steel	13.93	6.34
23 21	13 23-1153	EA	1-1/2" Cap, 3,000 LB, Screwed Carbon Steel	18.50	7.59
23 21	13 23-1154	EA	2" Cap, 3,000 LB, Screwed Carbon Steel	25.31	9.40
23 21	13 23-1155	EA	1/4" Cap, 6,000 LB, Screwed Carbon Steel	12.15	4.19
23 21	13 23-1156	EA	1/2" Cap, 6,000 LB, Screwed Carbon Steel	11.69	4.76
23 21	13 23-1157	EA	3/4" Cap, 6,000 LB, Screwed Carbon Steel	15.12	5.44
23 21	13 23-1158	EA	1" Cap, 6,000 LB, Screwed Carbon Steel	16.92	6.34
23 21	13 23-1159	EA	1-1/2" Cap, 6,000 LB, Screwed Carbon Steel	30.71	7.59
23 21	13 23-1160	EA	2" Cap, 6,000 LB, Screwed Carbon Steel	37.21	9.40

23 21 13 23-1161 Nipples, Screwed Carbon Steel (23 21 13 23-1044)

23 21	13 23-1162	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel	17.33	10.31
23 21	13 23-1163	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel	17.68	10.76
23 21	13 23-1164	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel	17.58	10.76
23 21	13 23-1165	EA	1" Nipple, 2" Long, Screwed Carbon Steel	19.42	11.67
23 21	13 23-1166	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel	21.88	12.58
23 21	13 23-1167	EA	2" Nipple, 2" Long, Screwed Carbon Steel	26.63	16.20
23 21	13 23-1168	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel	18.08	10.31
23 21	13 23-1169	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel	18.28	10.76
23 21	13 23-1170	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel	18.26	10.76
23 21	13 23-1171	EA	1" Nipple, 4" Long, Screwed Carbon Steel	20.33	11.67
23 21	13 23-1172	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel	23.50	12.58
23 21	13 23-1173	EA	2" Nipple, 4" Long, Screwed Carbon Steel	29.00	16.20
23 21	13 23-1174	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel	19.87	10.31
23 21	13 23-1175	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel	19.22	10.76
23 21	13 23-1176	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel	19.31	10.76
23 21	13 23-1177	EA	1" Nipple, 6" Long, Screwed Carbon Steel	21.63	11.67
23 21	13 23-1178	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel	25.72	12.58
23 21	13 23-1179	EA	2" Nipple, 6" Long, Screwed Carbon Steel	30.96	16.20

23 21 13 23-1180 Unions, Screwed Carbon Steel (23 21 13 23-1044)

23 21	13 23-1181	EA	1/4" Union, 3,000 LB, Screwed Carbon Steel	36.65	25.04
23 21	13 23-1182	EA	1/2" Union, 3,000 LB, Screwed Carbon Steel	39.05	25.15
23 21	13 23-1183	EA	3/4" Union, 3,000 LB, Screwed Carbon Steel	44.90	29.12
23 21	13 23-1184	EA	1" Union, 3,000 LB, Screwed Carbon Steel	53.43	34.33
23 21	13 23-1185	EA	1-1/2" Union, 3,000 LB, Screwed Carbon Steel	76.34	48.72
23 21	13 23-1186	EA	2" Union, 3,000 LB, Screwed Carbon Steel	94.74	60.50
23 21	13 23-1187	EA	1/4" Union, 6,000 LB, Screwed Carbon Steel	54.05	25.04
23 21	13 23-1188	EA	1/2" Union, 6,000 LB, Screwed Carbon Steel	60.08	25.15
23 21	13 23-1189	EA	3/4" Union, 6,000 LB, Screwed Carbon Steel	70.37	29.12
23 21	13 23-1190	EA	1" Union, 6,000 LB, Screwed Carbon Steel	84.82	34.33

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1191	EA	1-1/2" Union, 6,000 LB, Screwed Carbon Steel.....	140.53	48.72
23 21	13 23-1192	EA	2" Union, 6,000 LB, Screwed Carbon Steel.....	173.74	60.50
23 21	13 23-1193		Weld Neck Flanges, Screwed Carbon Steel (23 21 13 23-1044)		
23 21	13 23-1194	EA	1/2" Flange, 150 LB, Screwed Carbon Steel.....	79.46	46.79
23 21	13 23-1195	EA	3/4" Flange, 150 LB, Screwed Carbon Steel.....	83.16	49.05
23 21	13 23-1196	EA	1" Flange, 150 LB, Screwed Carbon Steel.....	86.36	51.21
23 21	13 23-1197	EA	1-1/2" Flange, 150 LB, Screwed Carbon Steel.....	96.36	57.67
23 21	13 23-1198	EA	2" Flange, 150 LB, Screwed Carbon Steel.....	100.14	60.16
23 21	13 23-1199	EA	1/2" Flange, 300 LB, Screwed Carbon Steel.....	80.05	46.79
			<i>For Ring Type Joint, Add</i>	9.84	
			<i>For Blind Flange, Deduct</i>	-30.05	
23 21	13 23-1200	EA	3/4" Flange, 300 LB, Screwed Carbon Steel.....	83.78	49.05
			<i>For Ring Type Joint, Add</i>	10.17	
			<i>For Blind Flange, Deduct</i>	-31.48	
23 21	13 23-1201	EA	1" Flange, 300 LB, Screwed Carbon Steel.....	87.30	51.21
			<i>For Ring Type Joint, Add</i>	10.49	
			<i>For Blind Flange, Deduct</i>	-32.82	
23 21	13 23-1202	EA	1-1/2" Flange, 300 LB, Screwed Carbon Steel.....	98.62	57.67
			<i>For Ring Type Joint, Add</i>	12.14	
			<i>For Blind Flange, Deduct</i>	-37.02	
23 21	13 23-1203	EA	2" Flange, 300 LB, Screwed Carbon Steel.....	102.40	60.16
			<i>For Ring Type Joint, Add</i>	12.14	
			<i>For Blind Flange, Deduct</i>	-38.53	
23 21	13 23-1204	EA	1/2" Flange, 600 LB, Screwed Carbon Steel.....	83.92	46.79
			<i>For Ring Type Joint, Add</i>	13.71	
			<i>For Blind Flange, Deduct</i>	-30.83	
23 21	13 23-1205	EA	3/4" Flange, 600 LB, Screwed Carbon Steel.....	87.32	49.05
			<i>For Ring Type Joint, Add</i>	13.71	
			<i>For Blind Flange, Deduct</i>	-32.19	
23 21	13 23-1206	EA	1" Flange, 600 LB, Screwed Carbon Steel.....	91.14	51.21
			<i>For Ring Type Joint, Add</i>	14.33	
			<i>For Blind Flange, Deduct</i>	-33.59	
23 21	13 23-1207	EA	1-1/2" Flange, 600 LB, Screwed Carbon Steel.....	103.38	57.67
			<i>For Ring Type Joint, Add</i>	16.90	
			<i>For Blind Flange, Deduct</i>	-37.97	
23 21	13 23-1208	EA	2" Flange, 600 LB, Screwed Carbon Steel.....	105.99	60.16
			<i>For Ring Type Joint, Add</i>	15.73	
			<i>For Blind Flange, Deduct</i>	-39.25	
23 21	13 23-1209		Square Head Plugs, Screwed Carbon Steel (23 21 13 23-1044)		
23 21	13 23-1210	EA	1/4" Square Head Plug, Screwed Carbon Steel.....	5.61	3.18
23 21	13 23-1211	EA	1/2" Square Head Plug, Screwed Carbon Steel.....	6.72	3.74
23 21	13 23-1212	EA	3/4" Square Head Plug, Screwed Carbon Steel.....	7.76	4.30
23 21	13 23-1213	EA	1" Square Head Plug, Screwed Carbon Steel.....	11.32	6.34
23 21	13 23-1214	EA	1-1/2" Square Head Plug, Screwed Carbon Steel.....	13.60	6.34
23 21	13 23-1215	EA	2" Square Head Plug, Screwed Carbon Steel.....	19.24	8.27
23 21	13 23-1216		Hex Head Plugs, Screwed Carbon Steel (23 21 13 23-1044)		
23 21	13 23-1217	EA	1/4" Hex Head Plug, Screwed Carbon Steel.....	5.38	3.18
23 21	13 23-1218	EA	1/2" Hex Head Plug, Screwed Carbon Steel.....	6.51	3.74
23 21	13 23-1219	EA	3/4" Hex Head Plug, Screwed Carbon Steel.....	7.62	4.30
23 21	13 23-1220	EA	1" Hex Head Plug, Screwed Carbon Steel.....	11.20	6.34
23 21	13 23-1221	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel.....	13.10	6.34
23 21	13 23-1222	EA	2" Hex Head Plug, Screwed Carbon Steel.....	19.59	8.27
23 21	13 23-1223		Round Head Plugs, Screwed Carbon Steel (23 21 13 23-1044)		
23 21	13 23-1224	EA	1/4" Round Head Plug, Screwed Carbon Steel.....	6.12	3.18
23 21	13 23-1225	EA	1/2" Round Head Plug, Screwed Carbon Steel.....	6.75	3.74
23 21	13 23-1226	EA	3/4" Round Head Plug, Screwed Carbon Steel.....	7.66	4.30
23 21	13 23-1227	EA	1" Round Head Plug, Screwed Carbon Steel.....	11.40	6.34
23 21	13 23-1228	EA	1-1/2" Round Head Plug, Screwed Carbon Steel.....	14.23	6.34
23 21	13 23-1229	EA	2" Round Head Plug, Screwed Carbon Steel.....	19.46	8.27
23 21	13 23-1230		Hexagon Bushings, Screwed Carbon Steel (23 21 13 23-1044)		
23 21	13 23-1231	EA	1/4" Hex Bushing, Screwed Carbon Steel.....	5.55	3.18
23 21	13 23-1232	EA	1/2" Hex Bushing, Screwed Carbon Steel.....	6.50	3.74
23 21	13 23-1233	EA	3/4" Hex Bushing, Screwed Carbon Steel.....	7.56	4.30
23 21	13 23-1234	EA	1" Hex Bushing, Screwed Carbon Steel.....	11.36	6.34
23 21	13 23-1235	EA	1-1/2" Hex Bushing, Screwed Carbon Steel.....	13.06	6.34
23 21	13 23-1236	EA	2" Hex Bushing, Screwed Carbon Steel.....	19.06	8.27
23 21	13 23-1237		90 Degree Street Elbows, Screwed Carbon Steel (23 21 13 23-1044)		
23 21	13 23-1238	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	34.05	17.22
23 21	13 23-1239	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	39.08	20.17
23 21	13 23-1240	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	45.23	22.55
23 21	13 23-1241	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	52.36	25.15
23 21	13 23-1242	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	79.45	32.17
23 21	13 23-1243	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	105.85	40.91
23 21	13 23-1244	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	50.97	20.17

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

23 21	13 23-1245	EA		3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	69.40	22.55
23 21	13 23-1246	EA		1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	92.82	25.15
23 21	13 23-1247	EA		1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	190.73	32.17

23 21 13 23-1248 Screwed Carbon Steel Laterals (2321 1323-1044)

23 21	13 23-1249	EA		1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	119.67	25.15
23 21	13 23-1250	EA		3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	143.28	29.12
23 21	13 23-1251	EA		1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	174.70	34.33
23 21	13 23-1252	EA		1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	226.93	48.72
23 21	13 23-1253	EA		2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	282.93	60.50
23 21	13 23-1254	EA		1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	147.44	25.15
23 21	13 23-1255	EA		3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	184.59	29.12
23 21	13 23-1256	EA		1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	218.87	34.33
23 21	13 23-1257	EA		1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	308.12	48.72

23 21 13 23-1258 Grooved-Joint Pipe (2321 1323)
 Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.

23 21 13 23-1259 Schedule 10 Black Grooved Pipe (2321 1323-1258)

23 21	13 23-1260	LF		2" Black Schedule 10 Grooved Pipe.....	26.88	14.39
23 21	13 23-1261	LF		2-1/2" Black Schedule 10 Grooved Pipe.....	36.53	19.71
23 21	13 23-1262	LF		3" Black Schedule 10 Grooved Pipe.....	40.83	21.86
23 21	13 23-1263	LF		3-1/2" Black Schedule 10 Grooved Pipe.....	44.32	22.66
23 21	13 23-1264	LF		4" Black Schedule 10 Grooved Pipe.....	47.37	24.59
23 21	13 23-1265	LF		5" Black Schedule 10 Grooved Pipe.....	63.65	30.13
23 21	13 23-1266	LF		6" Black Schedule 10 Grooved Pipe.....	84.88	42.82
23 21	13 23-1267	LF		8" Black Schedule 10 Grooved Pipe.....	108.57	48.04
23 21	13 23-1268	LF		10" Black Schedule 10 Grooved Pipe.....	134.49	57.90
23 21	13 23-1269	LF		12" Black Schedule 10 Grooved Pipe.....	154.33	65.60

23 21 13 23-1270 Schedule 40 Black Grooved Pipe (2321 1323-1258)

23 21	13 23-1271	LF		3/4" Black Schedule 40 Grooved Pipe.....	16.18	8.72
23 21	13 23-1272	LF		1" Black Schedule 40 Grooved Pipe.....	18.26	9.86
23 21	13 23-1273	LF		1-1/4" Black Schedule 40 Grooved Pipe.....	20.42	10.65
23 21	13 23-1274	LF		1-1/2" Black Schedule 40 Grooved Pipe.....	23.23	12.12
23 21	13 23-1275	LF		2" Black Schedule 40 Grooved Pipe.....	29.40	15.40
23 21	13 23-1276	LF		2-1/2" Black Schedule 40 Grooved Pipe.....	40.67	21.07
23 21	13 23-1277	LF		3" Black Schedule 40 Grooved Pipe.....	47.40	24.01
23 21	13 23-1278	LF		4" Black Schedule 40 Grooved Pipe.....	56.18	26.74
23 21	13 23-1279	LF		5" Black Schedule 40 Grooved Pipe.....	74.31	32.52
23 21	13 23-1280	LF		6" Black Schedule 40 Grooved Pipe.....	102.17	46.90
23 21	13 23-1281	LF		8" Black Schedule 40 Grooved Pipe.....	129.25	53.13
23 21	13 23-1282	LF		10" Black Schedule 40 Grooved Pipe.....	171.21	63.44
23 21	13 23-1283	LF		12" Black Schedule 40 Grooved Pipe.....	200.34	72.85
23 21	13 23-1284	LF		14" Black Schedule 40 Grooved Pipe.....	266.00	98.46
23 21	13 23-1285	LF		16" Black Schedule 40 Grooved Pipe.....	309.72	115.79
23 21	13 23-1286	LF		18" Black Schedule 40 Grooved Pipe.....	382.27	140.60
23 21	13 23-1287	LF		20" Black Schedule 40 Grooved Pipe.....	442.15	163.94
23 21	13 23-1288	LF		24" Black Schedule 40 Grooved Pipe.....	565.60	196.80

23 21 13 23-1289 Schedule 80 Black Grooved Pipe (2321 1323-1258)

23 21	13 23-1290	LF		3/4" Black Schedule 80 Grooved Pipe.....	17.71	9.52
23 21	13 23-1291	LF		1" Black Schedule 80 Grooved Pipe.....	19.36	10.09
23 21	13 23-1292	LF		1-1/4" Black Schedule 80 Grooved Pipe.....	22.27	11.21
23 21	13 23-1293	LF		1-1/2" Black Schedule 80 Grooved Pipe.....	25.23	12.58
23 21	13 23-1294	LF		2" Black Schedule 80 Grooved Pipe.....	32.60	16.20
23 21	13 23-1295	LF		2-1/2" Black Schedule 80 Grooved Pipe.....	45.49	22.32
23 21	13 23-1296	LF		3" Black Schedule 80 Grooved Pipe.....	53.19	25.04
23 21	13 23-1297	LF		4" Black Schedule 80 Grooved Pipe.....	63.89	27.30
23 21	13 23-1298	LF		5" Black Schedule 80 Grooved Pipe.....	92.35	34.33
23 21	13 23-1299	LF		6" Black Schedule 80 Grooved Pipe.....	123.35	49.17
23 21	13 23-1300	LF		8" Black Schedule 80 Grooved Pipe.....	172.29	56.20
23 21	13 23-1301	LF		10" Black Schedule 80 Grooved Pipe.....	212.93	67.86
23 21	13 23-1302	LF		12" Black Schedule 80 Grooved Pipe.....	231.73	82.03

23 21 13 23-1303 Schedule 40 Galvanized Grooved Pipe (2321 1323-1258)

23 21	13 23-1304	LF		3/4" Galvanized Schedule 40 Grooved Pipe.....	16.51	8.72
23 21	13 23-1305	LF		1" Galvanized Schedule 40 Grooved Pipe.....	18.96	9.86
23 21	13 23-1306	LF		1-1/4" Galvanized Schedule 40 Grooved Pipe.....	20.94	10.65
23 21	13 23-1307	LF		1-1/2" Galvanized Schedule 40 Grooved Pipe.....	23.83	12.12
23 21	13 23-1308	LF		2" Galvanized Schedule 40 Grooved Pipe.....	30.23	15.40
23 21	13 23-1309	LF		2-1/2" Galvanized Schedule 40 Grooved Pipe.....	41.99	21.07
23 21	13 23-1310	LF		3" Galvanized Schedule 40 Grooved Pipe.....	49.17	24.01
23 21	13 23-1311	LF		4" Galvanized Schedule 40 Grooved Pipe.....	58.68	26.74
23 21	13 23-1312	LF		5" Galvanized Schedule 40 Grooved Pipe.....	79.02	32.52
23 21	13 23-1313	LF		6" Galvanized Schedule 40 Grooved Pipe.....	108.59	46.90
23 21	13 23-1314	LF		8" Galvanized Schedule 40 Grooved Pipe.....	138.09	53.13
23 21	13 23-1315	LF		10" Galvanized Schedule 40 Grooved Pipe.....	186.86	63.44
23 21	13 23-1316	LF		12" Galvanized Schedule 40 Grooved Pipe.....	219.30	72.85

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1317		Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1258)		
23 21	13 23-1318	LF	3/4" Galvanized Schedule 80 Grooved Pipe.....	17.85	9.52
23 21	13 23-1319	LF	1" Galvanized Schedule 80 Grooved Pipe.....	21.73	10.09
23 21	13 23-1320	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe.....	22.65	11.21
23 21	13 23-1321	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe.....	28.77	13.37
23 21	13 23-1322	LF	2" Galvanized Schedule 80 Grooved Pipe.....	33.26	16.20
23 21	13 23-1323	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe.....	46.60	22.32
23 21	13 23-1324	LF	3" Galvanized Schedule 80 Grooved Pipe.....	54.87	25.04
23 21	13 23-1325	LF	4" Galvanized Schedule 80 Grooved Pipe.....	66.22	27.30
23 21	13 23-1326	LF	5" Galvanized Schedule 80 Grooved Pipe.....	95.09	34.33
23 21	13 23-1327	LF	6" Galvanized Schedule 80 Grooved Pipe.....	126.39	49.17
23 21	13 23-1328	LF	8" Galvanized Schedule 80 Grooved Pipe.....	177.22	56.20
23 21	13 23-1329	LF	10" Galvanized Schedule 80 Grooved Pipe.....	211.55	67.86
23 21	13 23-1330	LF	12" Galvanized Schedule 80 Grooved Pipe.....	237.30	82.03
23 21	13 23-1331		Painted Grooved-Joint Pipe Fittings (23 21 13 23)		
			Note: Couplings are not included with fittings.		
23 21	13 23-1332		Grooved Elbows (23 21 13 23-1331)		
23 21	13 23-1333		90 Degree Grooved Elbows (23 21 13 23-1332)		
			Note: Victaulic No. 10		
23 21	13 23-1334	EA	3/4" 90 Degree Elbow, Ductile Iron, Grooved.....	62.74	12.35
			For Galvanized Fittings, Add	14.60	
23 21	13 23-1335	EA	1" 90 Degree Elbow, Ductile Iron, Grooved.....	62.74	12.35
			For Galvanized Fittings, Add	14.60	
23 21	13 23-1336	EA	1-1/4" 90 Degree Elbow, Ductile Iron, Grooved.....	67.37	15.40
			For Galvanized Fittings, Add	14.60	
23 21	13 23-1337	EA	1-1/2" 90 degree Elbow, Ductile Iron, Grooved.....	72.28	18.69
			For Galvanized Fittings, Add	14.60	
23 21	13 23-1338	EA	2" 90 Degree Elbow, Ductile Iron, Grooved.....	81.26	24.70
			For Galvanized Fittings, Add	14.60	
23 21	13 23-1339	EA	2-1/2" 90 Degree Elbow, Ductile Iron, Grooved.....	89.34	30.13
			For Galvanized Fittings, Add	14.60	
23 21	13 23-1340	EA	3" 90 Degree Elbow, Ductile Iron, Grooved.....	133.25	36.48
			For Galvanized Fittings, Add	25.93	
23 21	13 23-1341	EA	4" 90 Degree Elbow, Ductile Iron, Grooved.....	157.74	48.15
			For Galvanized Fittings, Add	28.24	
23 21	13 23-1342	EA	5" 90 Degree Elbow, Ductile Iron, Grooved.....	298.53	60.16
			For Galvanized Fittings, Add	68.75	
23 21	13 23-1343	EA	6" 90 Degree Elbow, Ductile Iron, Grooved.....	360.13	78.75
			For Galvanized Fittings, Add	79.90	
23 21	13 23-1344	EA	8" 90 Degree Elbow, Ductile Iron, Grooved.....	650.05	93.70
			For Galvanized Fittings, Add	168.15	
23 21	13 23-1345	EA	10" 90 Degree Elbow, Ductile Iron, Grooved.....	957.80	109.33
			For Galvanized Fittings, Add	261.98	
23 21	13 23-1346	EA	12" 90 Degree Elbow, Ductile Iron, Grooved.....	1,469.17	131.20
			For Galvanized Fittings, Add	419.92	
23 21	13 23-1347	EA	14" 90 Degree Elbow, Steel, Grooved.....	2,868.36	148.08
			For Galvanized Fittings, Add	873.28	
23 21	13 23-1348	EA	16" 90 Degree Elbow, Steel, Grooved.....	3,708.55	163.94
			For Galvanized Fittings, Add	1,142.69	
23 21	13 23-1349	EA	18" 90 Degree Elbow, Steel, Grooved.....	4,660.22	179.12
			For Galvanized Fittings, Add	1,449.27	
23 21	13 23-1350	EA	20" 90 Degree Elbow, Steel, Grooved.....	6,050.50	186.26
			For Galvanized Fittings, Add	1,904.49	
23 21	13 23-1351	EA	24" 90 Degree Elbow, Steel, Grooved.....	8,634.97	220.25
			For Galvanized Fittings, Add	2,740.60	
23 21	13 23-1352		45 Degree Grooved Elbows (23 21 13 23-1332)		
			Note: Victaulic No. 11		
23 21	13 23-1353	EA	3/4" 45 Degree Elbow, Ductile Iron, Grooved.....	62.71	12.35
			For Galvanized Fittings, Add	10.61	
23 21	13 23-1354	EA	1" 45 Degree Elbow, Ductile Iron, Grooved.....	62.71	12.35
			For Galvanized Fittings, Add	10.61	
23 21	13 23-1355	EA	1-1/4" 45 Degree Elbow, Ductile Iron, Grooved.....	67.34	15.40
			For Galvanized Fittings, Add	10.61	
23 21	13 23-1356	EA	1-1/2" 45 degree Elbow, Ductile Iron, Grooved.....	72.25	18.69
			For Galvanized Fittings, Add	10.61	
23 21	13 23-1357	EA	2" 45 Degree Elbow, Ductile Iron, Grooved.....	81.23	24.70
			For Galvanized Fittings, Add	10.61	
23 21	13 23-1358	EA	2-1/2" 45 Degree Elbow, Ductile Iron, Grooved.....	89.31	30.13
			For Galvanized Fittings, Add	10.61	
23 21	13 23-1359	EA	3" 45 Degree Elbow, Ductile Iron, Grooved.....	133.21	36.48
			For Galvanized Fittings, Add	18.85	
23 21	13 23-1360	EA	4" 45 Degree Elbow, Ductile Iron, Grooved.....	157.74	48.15
			For Galvanized Fittings, Add	20.54	
23 21	13 23-1361	EA	5" 45 Degree Elbow, Ductile Iron, Grooved.....	298.53	60.16
			For Galvanized Fittings, Add	50.00	
23 21	13 23-1362	EA	6" 45 Degree Elbow, Ductile Iron, Grooved.....	360.13	78.75
			For Galvanized Fittings, Add	58.11	
23 21	13 23-1363	EA	8" 45 Degree Elbow, Ductile Iron, Grooved.....	650.05	93.70
			For Galvanized Fittings, Add	122.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1364	EA	10" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	957.80 190.53	109.33
23 21	13 23-1365	EA	12" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	1,469.17 305.39	131.20
23 21	13 23-1366	EA	14" 45 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,868.36 635.11	148.08
23 21	13 23-1367	EA	16" 45 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,708.55 831.05	163.94
23 21	13 23-1368	EA	18" 45 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,660.22 1,054.01	179.12
23 21	13 23-1369	EA	20" 45 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	6,050.99 1,385.08	186.60
23 21	13 23-1370	EA	24" 45 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	8,634.97 1,993.16	220.25
23 21	13 23-1371		22-1/2 Degree Grooved Elbows (23 21 13 23-1332) Note: Victaulic No. 12		
23 21	13 23-1372	EA	1" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	65.62 11.31	12.35
23 21	13 23-1373	EA	1-1/4" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	70.25 11.31	15.40
23 21	13 23-1374	EA	1-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	75.16 11.31	18.69
23 21	13 23-1375	EA	2" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	84.14 11.31	24.70
23 21	13 23-1376	EA	2-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	92.22 11.31	30.13
23 21	13 23-1377	EA	3" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	123.57 16.54	36.48
23 21	13 23-1378	EA	4" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	164.55 22.17	48.15
23 21	13 23-1379	EA	5" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	376.71 68.76	60.16
23 21	13 23-1380	EA	6" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	379.76 62.82	78.75
23 21	13 23-1381	EA	8" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	688.14 131.43	93.70
23 21	13 23-1382	EA	10" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	915.76 180.44	109.33
23 21	13 23-1383	EA	12" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,213.13 243.94	131.20
23 21	13 23-1384	EA	14" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,396.08 281.76	148.08
23 21	13 23-1385	EA	16" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,653.91 337.93	163.94
23 21	13 23-1386	EA	18" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,973.77 409.26	179.12
23 21	13 23-1387	EA	20" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,295.41 483.86	186.26
23 21	13 23-1388	EA	24" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,039.30 650.20	220.25
23 21	13 23-1389		11-1/4 Degree Grooved Elbows (23 21 13 23-1332) Note: Victaulic No. 13		
23 21	13 23-1390	EA	1" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	65.62 11.31	12.35
23 21	13 23-1391	EA	1-1/4" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	70.25 11.31	15.40
23 21	13 23-1392	EA	1-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	75.16 11.31	18.69
23 21	13 23-1393	EA	2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	84.14 11.31	24.70
23 21	13 23-1394	EA	2-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	92.22 11.31	30.13
23 21	13 23-1395	EA	3" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	123.57 16.54	36.48
23 21	13 23-1396	EA	4" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	164.54 22.17	48.15
23 21	13 23-1397	EA	5" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	376.70 68.76	60.16
23 21	13 23-1398	EA	6" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	379.75 62.82	78.75
23 21	13 23-1399	EA	8" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	688.11 131.43	93.70
23 21	13 23-1400	EA	10" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	915.72 180.43	109.33
23 21	13 23-1401	EA	12" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,213.08 243.93	131.20
23 21	13 23-1402	EA	14" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,396.02 281.75	148.08
23 21	13 23-1403	EA	16" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,653.87 337.92	164.05
23 21	13 23-1404	EA	18" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,973.66 409.24	179.12
23 21	13 23-1405	EA	20" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,295.30 483.83	186.26

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1406	EA	24" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,039.15 650.17	220.25
23 21	13 23-1407		90 Degree Grooved Long Radius Elbows (23 21 13 23-1332) Note: Victaulic No. 100		
23 21	13 23-1408	EA	2" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	138.15 24.27	24.70
23 21	13 23-1409	EA	2-1/2" 90 Degree Long Radius Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	338.52 70.42	30.13
23 21	13 23-1410	EA	3" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	155.79 24.27	36.48
23 21	13 23-1411	EA	4" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	223.64 36.36	48.15
23 21	13 23-1412	EA	5" 90 Degree Long Radius Elbow, Steel Grooved <i>For Galvanized Fittings, Add</i>	866.60 186.34	60.16
23 21	13 23-1413	EA	6" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	561.15 106.35	78.75
23 21	13 23-1414	EA	8" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	1,203.41 255.10	93.70
23 21	13 23-1415	EA	10" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	2,367.77 528.93	109.33
23 21	13 23-1416	EA	12" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	2,824.80 630.74	131.20
23 21	13 23-1417		Grooved Tees, Wyes And Crosses (23 21 13 23-1331)		
23 21	13 23-1418		Grooved Tees (23 21 13 23-1417) Note: Victaulic No. 20		
23 21	13 23-1419	EA	3/4" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	91.95 20.28	16.20
23 21	13 23-1420	EA	1" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	95.64 20.28	18.69
23 21	13 23-1421	EA	1-1/4" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	101.87 20.28	22.89
23 21	13 23-1422	EA	1-1/2" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	109.66 20.28	28.09
23 21	13 23-1423	EA	2" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	122.04 20.28	36.37
23 21	13 23-1424	EA	2-1/2" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	134.41 20.28	44.52
23 21	13 23-1425	EA	3" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	176.68 28.40	54.72
23 21	13 23-1426	EA	4" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	251.36 43.57	70.81
23 21	13 23-1427	EA	5" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	479.50 102.22	92.56
23 21	13 23-1428	EA	6" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	567.35 118.14	115.79
23 21	13 23-1429	EA	8" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	1,070.95 258.06	140.60
23 21	13 23-1430	EA	10" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	1,781.95 460.82	163.94
23 21	13 23-1431	EA	12" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	2,445.56 645.15	196.80
23 21	13 23-1432	EA	14" Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,673.83 703.80	218.66
23 21	13 23-1433	EA	16" Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,318.07 896.51	219.91
23 21	13 23-1434	EA	18" Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,106.08 1,122.73	242.57
23 21	13 23-1435	EA	20" Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	5,731.69 1,608.69	246.43
23 21	13 23-1436	EA	24" Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	8,692.87 2,471.69	302.73
23 21	13 23-1437		Grooved Wyes (90 Degree True Wye) (23 21 13 23-1417) Note: Victaulic No. 33		
23 21	13 23-1438	EA	1" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	313.22 45.63	18.69
23 21	13 23-1439	EA	1-1/4" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	319.45 45.63	22.89
23 21	13 23-1440	EA	1-1/2" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	327.24 45.63	28.09
23 21	13 23-1441	EA	2" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	339.62 45.63	36.37
23 21	13 23-1442	EA	2-1/2" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	351.99 45.63	44.52
23 21	13 23-1443	EA	3" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	422.88 54.54	54.72
23 21	13 23-1444	EA	4" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	552.62 71.44	70.81
23 21	13 23-1445	EA	5" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	778.75 102.40	92.56
23 21	13 23-1446	EA	6" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	965.39 126.69	115.79

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1447	EA	8" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,351.21 182.47	140.60
23 21	13 23-1448	EA	10" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,214.28 314.95	163.94
23 21	13 23-1449	EA	12" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,469.69 347.94	196.80
23 21	13 23-1450	EA	14" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,811.02 397.31	218.66
23 21	13 23-1451	EA	16" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,554.70 516.06	219.69
23 21	13 23-1452	EA	18" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,053.49 590.31	242.80
23 21	13 23-1453	EA	20" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	5,719.72 856.15	245.97
23 21	13 23-1454	EA	24" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	8,773.08 1,331.07	302.73
23 21 13 23-1455 Grooved Crosses (23 21 13 23-1417)					
Note: Victaulic No. 35					
23 21	13 23-1456	EA	3/4" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	221.16 27.69	24.36
23 21	13 23-1457	EA	1" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	226.70 27.69	28.09
23 21	13 23-1458	EA	1-1/4" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	274.26 33.42	34.33
23 21	13 23-1459	EA	1-1/2" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	303.22 36.02	42.15
23 21	13 23-1460	EA	2" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	217.37 20.36	54.50
23 21	13 23-1461	EA	2-1/2" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	235.93 20.36	66.85
23 21	13 23-1462	EA	3" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	366.85 36.58	82.03
23 21	13 23-1463	EA	4" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	565.09 60.89	106.16
23 21	13 23-1464	EA	5" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,037.38 124.38	138.79
23 21	13 23-1465	EA	6" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,327.21 160.03	173.69
23 21	13 23-1466	EA	8" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,721.19 210.76	210.85
23 21	13 23-1467	EA	10" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,765.24 359.46	245.97
23 21	13 23-1468	EA	12" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,900.81 518.74	295.25
23 21	13 23-1469	EA	14" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,074.67 537.44	327.99
23 21	13 23-1470	EA	16" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	5,181.61 703.05	329.92
23 21	13 23-1471	EA	18" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	6,290.62 861.78	363.80
23 21	13 23-1472	EA	20" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	8,693.27 1,220.90	369.46
23 21	13 23-1473	EA	24" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	13,246.18 1,884.80	454.10
23 21 13 23-1474 Grooved Reducing Tees (23 21 13 23-1417)					
Note: Victaulic No. 25					
23 21	13 23-1475	EA	1" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	158.46 26.08	18.69
23 21	13 23-1476	EA	1-1/4" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	168.78 26.90	22.89
23 21	13 23-1477	EA	1-1/2" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	179.93 27.57	28.09
23 21	13 23-1478	EA	2" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	215.84 32.28	36.37
23 21	13 23-1479	EA	2-1/2" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	244.82 35.60	44.52
23 21	13 23-1480	EA	3" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	276.83 38.97	54.72
23 21	13 23-1481	EA	4" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	368.88 52.55	70.81
23 21	13 23-1482	EA	5" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	485.72 69.39	92.56
23 21	13 23-1483	EA	6" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	661.63 97.61	115.79
23 21	13 23-1484	EA	8" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,016.06 161.06	140.60
23 21	13 23-1485	EA	10" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,433.07 237.44	163.94
23 21	13 23-1486	EA	12" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,046.36 350.26	196.80
23 21	13 23-1487	EA	14" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,316.94 397.82	218.66
23 21	13 23-1488	EA	16" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,913.54 516.76	219.91

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1489	EA	18" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,526.83 632.65	242.57
23 21	13 23-1490	EA	20" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,893.29 904.80	246.30
23 21	13 23-1491	EA	24" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	7,741.14 1,457.45	302.73
23 21	13 23-1492		Grooved 45 Degree Lateral Wyes <small>(23 21 13 23-1417)</small> Note: Victaulic No. 30		
23 21	13 23-1493	EA	3/4" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	294.42 48.61	16.20
23 21	13 23-1494	EA	1" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	298.11 48.61	18.69
23 21	13 23-1495	EA	1-1/4" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	304.34 48.61	22.89
23 21	13 23-1496	EA	1-1/2" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	312.13 48.61	28.09
23 21	13 23-1497	EA	2" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	324.51 48.61	36.37
23 21	13 23-1498	EA	2-1/2" Wye, 45 Degree Lateral, Steel, Grooved <i>For Galvanized Fittings, Add</i>	336.88 48.61	44.52
23 21	13 23-1499	EA	3" Wye, 45 Degree Lateral, Steel, Grooved <i>For Galvanized Fittings, Add</i>	315.31 42.00	54.72
23 21	13 23-1500	EA	3-1/2" Wye, 45 Degree Lateral, Steel, Grooved <i>For Galvanized Fittings, Add</i>	489.81 71.15	63.11
23 21	13 23-1501	EA	4" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	566.25 82.82	70.81
23 21	13 23-1502	EA	5" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	811.21 121.04	92.56
23 21	13 23-1503	EA	6" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,256.98 195.02	115.79
23 21	13 23-1504	EA	8" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,771.27 280.89	140.60
23 21	13 23-1505	EA	10" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,448.51 396.48	163.94
23 21	13 23-1506	EA	12" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,958.14 479.36	196.80
23 21	13 23-1507	EA	14" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,214.77 699.65	218.66
23 21	13 23-1508	EA	16" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	5,185.58 874.05	219.91
23 21	13 23-1509	EA	18" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	5,791.84 977.09	242.57
23 21	13 23-1510	EA	20" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	8,603.04 1,482.08	246.30
23 21	13 23-1511	EA	24" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	13,248.54 2,303.03	302.73
23 21	13 23-1512		Grooved 45 Degree Lateral Reducing Wyes <small>(23 21 13 23-1417)</small> Note: Victaulic No. 30R		
23 21	13 23-1513	EA	3" 45 Degree Lateral Reducing Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	315.31 30.33	54.72
23 21	13 23-1514	EA	4" 45 Degree Lateral Reducing Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	566.25 59.82	70.81
23 21	13 23-1515	EA	5" 45 Degree Lateral Reducing Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	811.21 87.42	92.56
23 21	13 23-1516	EA	6" 45 Degree Lateral Reducing Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,042.35 112.94	115.79
23 21	13 23-1517	EA	8" 45 Degree Lateral Reducing Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,464.93 163.04	140.60
23 21	13 23-1518	EA	10" 45 Degree Lateral Reducing Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,781.89 199.68	163.94
23 21	13 23-1519	EA	12" 45 Degree Lateral Reducing Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,161.69 242.66	196.80
23 21	13 23-1520	EA	14" 45 Degree Lateral Reducing Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,418.93 271.84	218.66
23 21	13 23-1521	EA	16" 45 Degree Lateral Reducing Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,032.67 351.38	219.91
23 21	13 23-1522	EA	18" 45 Degree Lateral Reducing Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,513.97 539.55	242.57
23 21	13 23-1523	EA	20" 45 Degree Lateral Reducing Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	6,444.36 789.76	246.30
23 21	13 23-1524	EA	24" 45 Degree Lateral Reducing Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	10,289.67 1,278.65	302.73
23 21	13 23-1525		Mechanical-T Outlet <small>(23 21 13 23-1417)</small> Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21	13 23-1526	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet <i>For Galvanized Fittings, Add</i>	126.48 11.14	40.78
23 21	13 23-1527	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet <i>For Galvanized Fittings, Add</i>	126.48 11.14	40.78
23 21	13 23-1528	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet <i>For Galvanized Fittings, Add</i>	133.49 12.88	40.78
23 21	13 23-1529	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	133.49	40.78
23 21	13 23-1530	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	136.68	45.89



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 21	13 23-	1531	EA 2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	136.68	45.89
	23 21	13 23-	1532	EA 2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	155.19	45.89
	23 21	13 23-	1533	EA 3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	153.69	50.98
	23 21	13 23-	1534	EA 3" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	153.69	50.98
	23 21	13 23-	1535	EA 3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	168.59	50.98
	23 21	13 23-	1536	EA 3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	168.59	50.98
	23 21	13 23-	1537	EA 3" x 2" Mechanical-T Outlet With Threaded Branch Outlet.....	178.80	50.98
	23 21	13 23-	1538	EA 4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	201.90	67.97
	23 21	13 23-	1539	EA 4" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	201.90	67.97
	23 21	13 23-	1540	EA 4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	213.53	67.97
	23 21	13 23-	1541	EA 4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	216.80	67.97
	23 21	13 23-	1542	EA 4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	216.80	67.97
	23 21	13 23-	1543	EA 4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	220.07	67.97
	23 21	13 23-	1544	EA 4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	226.33	67.97
	23 21	13 23-	1545	EA 5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	286.22	93.47
	23 21	13 23-	1546	EA 5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	286.22	93.47
	23 21	13 23-	1547	EA 5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	291.87	93.47
	23 21	13 23-	1548	EA 5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	298.95	93.47
	23 21	13 23-	1549	EA 6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	339.52	118.96
	23 21	13 23-	1550	EA 6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	339.52	118.96
	23 21	13 23-	1551	EA 6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	347.82	118.96
	23 21	13 23-	1552	EA 6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	354.83	118.96
	23 21	13 23-	1553	EA 6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	367.28	118.96
	23 21	13 23-	1554	EA 8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	494.74	157.48
	23 21	13 23-	1555	EA 8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	494.74	157.48
	23 21	13 23-	1556	EA 8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	504.75	157.48
	23 21	13 23-	1557	EA 8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	510.67	157.48
23 21	13 23-	1558		Installation-Ready™ Grooved Fittings (23 21 13 23-1331)		
23 21	13 23-	1559		Installation-Ready™ 90 Degree Grooved Elbows (23 21 13 23-1558)		
Note: Victaulic No. 101						
23 21	13 23-	1560	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	153.49	11.21
				<i>For Galvanized Fittings, Add</i>	45.05	
				<i>For Galvanized Fittings, Add</i>	34.94	
23 21	13 23-	1561	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	160.92	13.46
				<i>For Galvanized Fittings, Add</i>	46.37	
				<i>For Galvanized Fittings, Add</i>	35.97	
23 21	13 23-	1562	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	168.71	17.95
				<i>For Galvanized Fittings, Add</i>	46.70	
				<i>For Galvanized Fittings, Add</i>	36.23	
23 21	13 23-	1563	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	204.62	22.44
				<i>For Galvanized Fittings, Add</i>	56.31	
				<i>For Galvanized Fittings, Add</i>	43.68	
23 21	13 23-	1564		Installation-Ready™ 45 Degree Grooved Elbows (23 21 13 23-1558)		
Note: Victaulic No. 103						
23 21	13 23-	1565	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	153.49	11.21
				<i>For Galvanized Fittings, Add</i>	32.76	
				<i>For Galvanized Fittings, Add</i>	34.94	
23 21	13 23-	1566	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	160.92	13.46
				<i>For Galvanized Fittings, Add</i>	33.72	
				<i>For Galvanized Fittings, Add</i>	35.97	
23 21	13 23-	1567	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	168.71	17.95
				<i>For Galvanized Fittings, Add</i>	33.96	
				<i>For Galvanized Fittings, Add</i>	36.23	
23 21	13 23-	1568	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	204.62	22.44
				<i>For Galvanized Fittings, Add</i>	40.95	
				<i>For Galvanized Fittings, Add</i>	43.68	
23 21	13 23-	1569		Installation-Ready™ Grooved Tees (23 21 13 23-1558)		
Note: Victaulic No. 102						
23 21	13 23-	1570	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	233.43	14.95
				<i>For Galvanized Fittings, Add</i>	63.23	
				<i>For Galvanized Fittings, Add</i>	53.96	
23 21	13 23-	1571	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	244.99	17.95
				<i>For Galvanized Fittings, Add</i>	65.34	
				<i>For Galvanized Fittings, Add</i>	55.76	
23 21	13 23-	1572	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee	257.06	23.92
				<i>For Galvanized Fittings, Add</i>	66.24	
				<i>For Galvanized Fittings, Add</i>	56.53	
23 21	13 23-	1573	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	300.25	29.91
				<i>For Galvanized Fittings, Add</i>	76.48	
				<i>For Galvanized Fittings, Add</i>	65.26	
23 21	13 23-	1574		Grooved Fittings (23 21 13 23-1331)		
23 21	13 23-	1575		Flanged Adapter Nipple, Grooved (23 21 13 23-1574)		
Note: Victaulic No. 41 and 45						
23 21	13 23-	1576	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	210.46	13.59
				<i>For Galvanized Fittings, Add</i>	34.21	
				<i>For 300 LB Rating, Add</i>	28.51	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1577	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	212.72	15.07
			<i>For Galvanized Fittings, Add</i>	34.21	
			<i>For 300 LB Rating, Add</i>	28.51	
23 21	13 23-1578	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	218.39	18.92
			<i>For Galvanized Fittings, Add</i>	34.21	
			<i>For 300 LB Rating, Add</i>	28.51	
23 21	13 23-1579	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	230.30	26.85
			<i>For Galvanized Fittings, Add</i>	34.21	
			<i>For 300 LB Rating, Add</i>	28.51	
23 21	13 23-1580	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	238.82	32.52
			<i>For Galvanized Fittings, Add</i>	34.21	
			<i>For 300 LB Rating, Add</i>	28.51	
23 21	13 23-1581	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	301.39	38.87
			<i>For Galvanized Fittings, Add</i>	43.77	
			<i>For 300 LB Rating, Add</i>	36.48	
23 21	13 23-1582	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	368.46	52.34
			<i>For Galvanized Fittings, Add</i>	52.21	
			<i>For 300 LB Rating, Add</i>	43.50	
23 21	13 23-1583	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	509.38	63.33
			<i>For Galvanized Fittings, Add</i>	74.60	
			<i>For 300 LB Rating, Add</i>	62.16	
23 21	13 23-1584	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	601.12	85.54
			<i>For Galvanized Fittings, Add</i>	85.11	
			<i>For 300 LB Rating, Add</i>	70.93	
23 21	13 23-1585	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	826.24	115.79
			<i>For Galvanized Fittings, Add</i>	117.48	
			<i>For 300 LB Rating, Add</i>	97.90	
23 21	13 23-1586	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,275.82	140.60
			<i>For Galvanized Fittings, Add</i>	191.71	
			<i>For 300 LB Rating, Add</i>	159.76	
23 21	13 23-1587	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,702.16	163.94
			<i>For Galvanized Fittings, Add</i>	262.13	
			<i>For 300 LB Rating, Add</i>	218.44	
23 21	13 23-1588	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,012.41	196.80
			<i>For Galvanized Fittings, Add</i>	309.12	
			<i>For 300 LB Rating, Add</i>	257.60	
23 21	13 23-1589	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,972.58	218.66
			<i>For Galvanized Fittings, Add</i>	476.06	
			<i>For 300 LB Rating, Add</i>	396.71	
23 21	13 23-1590	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	3,598.24	327.99
			<i>For Galvanized Fittings, Add</i>	559.17	
			<i>For 300 LB Rating, Add</i>	465.97	
23 21	13 23-1591	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	3,828.06	393.60
			<i>For Galvanized Fittings, Add</i>	582.83	
			<i>For 300 LB Rating, Add</i>	485.70	
23 21	13 23-1592	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	6,241.56	437.33
			<i>For Galvanized Fittings, Add</i>	1,005.46	
			<i>For 300 LB Rating, Add</i>	837.89	
23 21	13 23-1593		Grooved Concentric Reducers <small>(23 21 13 23-1574)</small>		
			Note: Victaulic No. 50		
23 21	13 23-1594	EA	1-1/4" x 3/4" Concentric Reducer, Grooved.....	223.11	13.59
			<i>For Galvanized Fittings, Add</i>	8.92	
23 21	13 23-1595	EA	1-1/4" x 1" Concentric Reducer, Grooved.....	233.37	14.39
			<i>For Galvanized Fittings, Add</i>	9.32	
23 21	13 23-1596	EA	1-1/2" x 3/4" Concentric Reducer, Grooved.....	262.49	15.52
			<i>For Galvanized Fittings, Add</i>	28.76	
23 21	13 23-1597	EA	1-1/2" x 1" Concentric Reducer, Grooved.....	75.60	16.20
			<i>For Galvanized Fittings, Add</i>	6.16	
23 21	13 23-1598	EA	1-1/2" x 1-1/4" Concentric Reducer, Grooved.....	223.80	16.99
			<i>For Galvanized Fittings, Add</i>	23.84	
23 21	13 23-1599	EA	2" x 3/4" Concentric Reducer, Grooved.....	79.00	18.47
			<i>For Galvanized Fittings, Add</i>	6.16	
23 21	13 23-1600	EA	2" x 1" Concentric Reducer, Grooved.....	80.13	19.26
			<i>For Galvanized Fittings, Add</i>	6.16	
23 21	13 23-1601	EA	2" x 1-1/4" Concentric Reducer, Grooved.....	86.40	20.06
			<i>For Galvanized Fittings, Add</i>	6.78	
23 21	13 23-1602	EA	2" x 1-1/2" Concentric Reducer, Grooved.....	84.73	22.32
			<i>For Galvanized Fittings, Add</i>	6.16	
23 21	13 23-1603	EA	2-1/2" x 3/4" Concentric Reducer, Grooved.....	448.26	20.85
			<i>For Galvanized Fittings, Add</i>	50.12	
23 21	13 23-1604	EA	2-1/2" x 1" Concentric Reducer, Grooved.....	359.49	21.64
			<i>For Galvanized Fittings, Add</i>	39.32	
23 21	13 23-1605	EA	2-1/2" x 1-1/4" Concentric Reducer, Grooved.....	329.61	22.32
			<i>For Galvanized Fittings, Add</i>	35.59	
23 21	13 23-1606	EA	2-1/2" x 1-1/2" Concentric Reducer, Grooved.....	88.06	24.59
			<i>For Galvanized Fittings, Add</i>	6.16	
23 21	13 23-1607	EA	2-1/2" x 2" Concentric Reducer, Grooved.....	92.59	27.53
			<i>For Galvanized Fittings, Add</i>	6.16	
23 21	13 23-1608	EA	3" x 3/4" Concentric Reducer, Grooved.....	456.01	24.25
			<i>For Galvanized Fittings, Add</i>	63.80	
23 21	13 23-1609	EA	3" x 1" Concentric Reducer, Grooved.....	93.92	24.93
			<i>For Galvanized Fittings, Add</i>	8.60	
23 21	13 23-1610	EA	3" x 1-1/4" Concentric Reducer, Grooved.....	363.57	25.72
			<i>For Galvanized Fittings, Add</i>	49.41	
23 21	13 23-1611	EA	3" x 1-1/2" Concentric Reducer, Grooved.....	343.42	27.53
			<i>For Galvanized Fittings, Add</i>	45.91	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1612	EA	3" x 2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	90.83 6.83	30.59
23 21	13 23-1613	EA	3" x 2-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	116.60 9.41	36.48
23 21	13 23-1614	EA	3-1/2" x 3" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	124.90 10.03	39.32
23 21	13 23-1615	EA	4" x 1" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	114.47 11.67	30.93
23 21	13 23-1616	EA	4" x 1-1/4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	585.34 92.22	31.72
23 21	13 23-1617	EA	4" x 1-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	461.54 70.51	33.65
23 21	13 23-1618	EA	4" x 2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	114.78 10.26	36.71
23 21	13 23-1619	EA	4" x 2-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	133.91 12.86	39.32
23 21	13 23-1620	EA	4" x 3" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	138.44 12.86	42.37
23 21	13 23-1621	EA	4" x 3-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	142.97 12.86	45.32
23 21	13 23-1622	EA	5" x 2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	820.80 129.79	42.71
23 21	13 23-1623	EA	5" x 2-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	655.14 100.70	45.32
23 21	13 23-1624	EA	5" x 3" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	160.31 15.06	48.38
23 21	13 23-1625	EA	5" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	186.42 17.98	54.38
23 21	13 23-1626	EA	6" x 1" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	208.55 26.02	46.11
23 21	13 23-1627	EA	6" x 1-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	868.77 148.48	48.72
23 21	13 23-1628	EA	6" x 2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	217.03 26.02	51.78
23 21	13 23-1629	EA	6" x 2-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	881.81 149.32	54.38
23 21	13 23-1630	EA	6" x 3" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	225.55 26.02	57.44
23 21	13 23-1631	EA	6" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	216.59 22.66	63.44
23 21	13 23-1632	EA	6" x 5" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	283.88 33.52	69.56
23 21	13 23-1633	EA	8" x 3" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	346.57 46.49	65.03
23 21	13 23-1634	EA	8" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	355.62 46.49	71.04
23 21	13 23-1635	EA	8" x 5" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	364.70 46.49	77.04
23 21	13 23-1636	EA	8" x 6" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	446.87 59.28	86.11
23 21	13 23-1637	EA	10" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	711.59 110.69	78.97
23 21	13 23-1638	EA	10" x 5" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,435.06 244.00	84.98
23 21	13 23-1639	EA	10" x 6" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	789.73 121.04	94.04
23 21	13 23-1640	EA	10" x 8" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	801.05 121.04	101.62
23 21	13 23-1641	EA	12" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,098.46 294.55	89.96
23 21	13 23-1642	EA	12" x 6" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	931.14 116.06	105.03
23 21	13 23-1643	EA	12" x 8" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,331.00 174.33	112.62
23 21	13 23-1644	EA	12" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,342.95 174.33	120.54
23 21	13 23-1645	EA	14" x 6" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,113.04 121.06	113.18
23 21	13 23-1646	EA	14" x 8" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,495.69 71.06	120.78
23 21	13 23-1647	EA	14" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,147.25 60.00	128.70
23 21	13 23-1648	EA	14" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,163.66 60.00	139.59
23 21	13 23-1649	EA	16" x 8" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,759.41 109.48	128.81
23 21	13 23-1650	EA	16" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,502.26 101.22	136.75
23 21	13 23-1651	EA	16" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,254.92 93.13	147.74
23 21	13 23-1652	EA	16" x 14" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,267.15 93.13	155.89
23 21	13 23-1653	EA	18" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,872.22 142.93	144.34
23 21	13 23-1654	EA	18" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,430.70 128.88	155.22
23 21	13 23-1655	EA	18" x 14" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,045.41 116.67	163.38

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1656	EA	18" x 16" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,057.65 116.67	171.65
23 21	13 23-1657	EA	20" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,354.25 157.56	148.08
23 21	13 23-1658	EA	20" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,614.05 134.33	159.07
23 21	13 23-1659	EA	20" x 14" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,626.29 134.33	167.23
23 21	13 23-1660	EA	20" x 16" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,144.69 119.18	175.28
23 21	13 23-1661	EA	20" x 18" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,413.82 127.09	182.86
23 21	13 23-1662	EA	24" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	11,683.50 351.10	164.74
23 21	13 23-1663	EA	24" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	11,423.83 342.62	175.73
23 21	13 23-1664	EA	24" x 14" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	9,978.62 297.89	183.77
23 21	13 23-1665	EA	24" x 16" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	9,990.95 297.89	192.04
23 21	13 23-1666	EA	24" x 18" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	8,581.25 254.26	199.51
23 21	13 23-1667	EA	24" x 20" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	7,853.41 231.74	203.37
23 21 13 23-1668 Grooved Eccentric Reducers (23 21 13 23-1574)					
Note: Victaulic No. 51					
23 21	13 23-1669	EA	1-1/2" x 3/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	270.75 29.75	15.52
23 21	13 23-1670	EA	1-1/2" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	247.78 26.86	16.20
23 21	13 23-1671	EA	1-1/2" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	244.04 26.27	16.99
23 21	13 23-1672	EA	2" x 3/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	508.72 57.81	18.47
23 21	13 23-1673	EA	2" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	275.60 29.65	19.26
23 21	13 23-1674	EA	2" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	300.48 32.51	20.06
23 21	13 23-1675	EA	2" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	259.89 27.21	22.32
23 21	13 23-1676	EA	2-1/2" x 3/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	659.10 75.47	20.85
23 21	13 23-1677	EA	2-1/2" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	617.29 70.31	21.64
23 21	13 23-1678	EA	2-1/2" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	373.20 40.83	22.32
23 21	13 23-1679	EA	2-1/2" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	306.00 32.36	24.59
23 21	13 23-1680	EA	2-1/2" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	149.78 13.03	27.53
23 21	13 23-1681	EA	3" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	664.77 75.42	24.93
23 21	13 23-1682	EA	3" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	606.48 68.27	25.72
23 21	13 23-1683	EA	3" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	352.70 37.42	27.53
23 21	13 23-1684	EA	3" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	170.50 14.98	30.59
23 21	13 23-1685	EA	3" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	179.28 14.98	36.48
23 21	13 23-1686	EA	3-1/2" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	748.27 82.86	39.32
23 21	13 23-1687	EA	4" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,318.23 218.11	30.93
23 21	13 23-1688	EA	4" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	819.59 131.91	33.65
23 21	13 23-1689	EA	4" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	207.31 26.13	36.71
23 21	13 23-1690	EA	4" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	211.28 26.13	39.32
23 21	13 23-1691	EA	4" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	215.81 26.13	42.37
23 21	13 23-1692	EA	5" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	912.18 145.46	42.71
23 21	13 23-1693	EA	5" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	790.57 123.92	45.32
23 21	13 23-1694	EA	5" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	770.48 119.70	48.38
23 21	13 23-1695	EA	5" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	289.10 35.59	54.38
23 21	13 23-1696	EA	6" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,387.60 246.03	46.11
23 21	13 23-1697	EA	6" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,280.01 224.37	51.78
23 21	13 23-1698	EA	6" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,513.37 267.17	54.38

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1699	EA	6" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	362.41 51.56	57.44
23 21	13 23-1700	EA	6" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	337.00 45.13	63.44
23 21	13 23-1701	EA	6" x 5" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	394.34 54.13	69.56
23 21	13 23-1702	EA	8" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,494.49 260.69	65.03
23 21	13 23-1703	EA	8" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,327.43 227.83	71.04
23 21	13 23-1704	EA	8" x 5" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,252.31 212.12	77.04
23 21	13 23-1705	EA	8" x 6" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	619.53 91.50	86.11
23 21	13 23-1706	EA	10" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,358.88 418.07	78.97
23 21	13 23-1707	EA	10" x 5" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,238.33 393.89	84.98
23 21	13 23-1708	EA	10" x 6" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,732.84 297.03	94.04
23 21	13 23-1709	EA	10" x 8" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,499.62 251.40	101.62
23 21	13 23-1710	EA	12" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,412.98 343.78	89.96
23 21	13 23-1711	EA	12" x 6" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,283.93 320.89	105.03
23 21	13 23-1712	EA	12" x 8" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,240.88 312.68	112.62
23 21	13 23-1713	EA	12" x 10" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,036.71 280.06	120.54
23 21	13 23-1714	EA	14" x 6" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,535.22 164.72	113.18
23 21	13 23-1715	EA	14" x 8" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,611.39 105.31	120.78
23 21	13 23-1716	EA	14" x 10" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,458.35 100.25	128.70
23 21	13 23-1717	EA	14" x 12" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,474.76 100.25	139.59
23 21	13 23-1718	EA	16" x 8" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,118.74 181.91	128.81
23 21	13 23-1719	EA	16" x 10" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,680.73 168.10	136.75
23 21	13 23-1720	EA	16" x 12" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,366.59 157.96	147.74
23 21	13 23-1721	EA	16" x 14" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,378.82 157.96	155.89
23 21	13 23-1722	EA	18" x 10" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	7,663.78 228.64	144.34
23 21	13 23-1723	EA	18" x 12" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	7,225.85 214.69	155.22
23 21	13 23-1724	EA	18" x 14" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,598.58 195.05	163.38
23 21	13 23-1725	EA	18" x 16" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,610.82 195.05	171.65
23 21	13 23-1726	EA	20" x 10" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	10,035.88 301.29	148.08
23 21	13 23-1727	EA	20" x 12" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	7,497.66 222.86	159.07
23 21	13 23-1728	EA	20" x 14" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	7,056.08 208.93	167.23
23 21	13 23-1729	EA	20" x 16" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,958.05 205.55	175.28
23 21	13 23-1730	EA	20" x 18" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,712.97 197.67	182.86
23 21	13 23-1731	EA	24" x 12" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	14,470.35 436.15	175.73
23 21	13 23-1732	EA	24" x 14" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	12,383.84 371.73	183.77
23 21	13 23-1733	EA	24" x 16" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	12,396.17 371.73	192.04
23 21	13 23-1734	EA	24" x 18" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	11,720.09 350.62	199.51
23 21	13 23-1735	EA	24" x 20" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	10,727.13 319.96	203.37
23 21	13 23-1736		Close Nipple, Grooved <small>(23 21 13 23-1574)</small> Note: Victaulic No. 143		
23 21	13 23-1737	EA	1-1/4" Ductile Iron, Grooved, Close Nipple <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	45.08 4.04 3.36 5.74	14.95
23 21	13 23-1738	EA	1-1/2" Ductile Iron, Grooved, Close Nipple <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	52.75 4.40 3.66 6.25	18.69

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1739	EA	2" Ductile Iron, Grooved, Close Nipple.....	66.83	24.68
			<i>For Galvanized Fittings, Add</i>	5.30	
			<i>For 300 LB Rating, Add</i>	4.42	
			<i>For Galvanized Fittings, Add</i>	7.54	
23 21	13 23-1740	EA	2-1/2" Ductile Iron, Grooved, Close Nipple	80.11	29.91
			<i>For Galvanized Fittings, Add</i>	6.26	
			<i>For 300 LB Rating, Add</i>	5.22	
			<i>For Galvanized Fittings, Add</i>	8.91	
23 21	13 23-1741		Grooved Couplings (23 21 13 23-1331)		
23 21	13 23-1742		Flexible Grooved Coupling (23 21 13 23-1741)		
			Note: Victaulic Style 77		
23 21	13 23-1743	EA	3/4" Standard Coupling, Grooved	31.82	6.12
			<i>For Galvanized Fittings, Add</i>	6.32	
23 21	13 23-1744	EA	1" Standard Coupling, Grooved	31.82	6.12
			<i>For Galvanized Fittings, Add</i>	6.32	
23 21	13 23-1745	EA	1-1/4" Standard Coupling, Grooved	41.61	7.71
			<i>For Galvanized Fittings, Add</i>	8.41	
23 21	13 23-1746	EA	1-1/2" Standard Coupling, Grooved	46.64	9.17
			<i>For Galvanized Fittings, Add</i>	9.19	
23 21	13 23-1747	EA	2" Standard Coupling, Grooved	53.19	12.35
			<i>For Galvanized Fittings, Add</i>	9.71	
23 21	13 23-1748	EA	2-1/2" Standard Coupling, Grooved	64.06	15.07
			<i>For Galvanized Fittings, Add</i>	11.62	
23 21	13 23-1749	EA	3" Standard Coupling, Grooved	68.44	18.02
			<i>For Galvanized Fittings, Add</i>	11.62	
23 21	13 23-1750	EA	3-1/2" Standard Coupling, Grooved	98.53	21.07
			<i>For Galvanized Fittings, Add</i>	18.73	
23 21	13 23-1751	EA	4" Standard Coupling, Grooved	102.96	24.01
			<i>For Galvanized Fittings, Add</i>	18.73	
23 21	13 23-1752	EA	5" Standard Coupling, Grooved	147.65	30.13
			<i>For Galvanized Fittings, Add</i>	28.71	
23 21	13 23-1753	EA	6" Standard Coupling, Grooved	180.22	39.32
			<i>For Galvanized Fittings, Add</i>	33.94	
23 21	13 23-1754	EA	8" Standard Coupling, Grooved	267.84	46.90
			<i>For Galvanized Fittings, Add</i>	55.33	
23 21	13 23-1755	EA	10" Standard Coupling, Grooved	412.68	56.20
			<i>For Galvanized Fittings, Add</i>	91.95	
23 21	13 23-1756	EA	12" Standard Coupling, Grooved	466.08	61.52
			<i>For Galvanized Fittings, Add</i>	104.69	
23 21	13 23-1757	EA	14" Standard Coupling, Grooved	577.14	82.03
			<i>For Galvanized Fittings, Add</i>	127.18	
23 21	13 23-1758	EA	16" Standard Coupling, Grooved	743.29	98.46
			<i>For Galvanized Fittings, Add</i>	166.82	
23 21	13 23-1759	EA	18" Standard Coupling, Grooved	861.65	109.33
			<i>For Galvanized Fittings, Add</i>	195.37	
23 21	13 23-1760	EA	20" Standard Coupling, Grooved	1,282.05	123.04
			<i>For Galvanized Fittings, Add</i>	307.34	
23 21	13 23-1761	EA	24" Standard Coupling, Grooved	1,430.70	151.36
			<i>For Galvanized Fittings, Add</i>	337.05	
23 21	13 23-1762		Zero-Flex® Rigid Coupling (23 21 13 23-1741)		
			Note: Victaulic Style 07		
23 21	13 23-1763	EA	1" Rigid Coupling, Grooved.....	40.65	6.12
			<i>For Galvanized Fittings, Add</i>	7.69	
23 21	13 23-1764	EA	1-1/4" Rigid Coupling, Grooved	42.98	7.71
			<i>For Galvanized Fittings, Add</i>	7.69	
23 21	13 23-1765	EA	1-1/2" Rigid Coupling, Grooved	45.22	9.17
			<i>For Galvanized Fittings, Add</i>	7.69	
23 21	13 23-1766	EA	2" Rigid Coupling, Grooved.....	50.71	12.35
			<i>For Galvanized Fittings, Add</i>	7.89	
23 21	13 23-1767	EA	2-1/2" Rigid Coupling, Grooved	59.67	15.07
			<i>For Galvanized Fittings, Add</i>	9.09	
23 21	13 23-1768	EA	3" Rigid Coupling, Grooved.....	64.05	18.02
			<i>For Galvanized Fittings, Add</i>	9.09	
23 21	13 23-1769	EA	3-1/2" Rigid Coupling, Grooved	75.03	21.07
			<i>For Galvanized Fittings, Add</i>	10.63	
23 21	13 23-1770	EA	4" Rigid Coupling, Grooved.....	97.55	24.01
			<i>For Galvanized Fittings, Add</i>	15.06	
23 21	13 23-1771	EA	5" Rigid Coupling, Grooved.....	124.94	30.13
			<i>For Galvanized Fittings, Add</i>	19.56	
23 21	13 23-1772	EA	6" Rigid Coupling, Grooved.....	165.72	39.32
			<i>For Galvanized Fittings, Add</i>	26.14	
23 21	13 23-1773	EA	8" Rigid Coupling, Grooved.....	238.36	46.90
			<i>For Galvanized Fittings, Add</i>	41.19	
23 21	13 23-1774	EA	10" Rigid Coupling, Grooved.....	385.54	56.20
			<i>For Galvanized Fittings, Add</i>	73.80	
23 21	13 23-1775	EA	12" Rigid Coupling, Grooved.....	429.29	61.52
			<i>For Galvanized Fittings, Add</i>	82.59	
23 21	13 23-1776	EA	14" Rigid Coupling, Grooved.....	563.35	82.03
			<i>For Galvanized Fittings, Add</i>	107.90	
23 21	13 23-1777	EA	16" Rigid Coupling, Grooved.....	721.92	98.46
			<i>For Galvanized Fittings, Add</i>	140.73	
23 21	13 23-1778	EA	18" Rigid Coupling, Grooved.....	827.92	109.33
			<i>For Galvanized Fittings, Add</i>	162.68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1779 EA 20" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	974.94 193.68	123.04
23 21 13 23-1780 EA 24" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	1,391.38 285.28	151.36
23 21 13 23-1781 Large Diameter Grooved Coupling (23 21 13 23-1741) Note: Victaulic Style 770		
23 21 13 23-1782 EA 28" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	1,442.38 195.62	30.13
23 21 13 23-1783 EA 30" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	1,667.70 225.22	39.32
23 21 13 23-1784 EA 32" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	2,479.37 337.28	46.90
23 21 13 23-1785 EA 36" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	3,293.83 449.33	56.20
23 21 13 23-1786 EA 42" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	6,583.18 908.74	61.52
23 21 13 23-1787 Flexible Coupling (23 21 13 23-1741) Note: Victaulic Style 75		
23 21 13 23-1788 EA 1-1/2" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	42.36 7.31	9.17
23 21 13 23-1789 EA 2" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	47.78 7.49	12.35
23 21 13 23-1790 EA 2-1/2" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	56.48 8.69	15.07
23 21 13 23-1791 EA 3" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	66.38 10.10	18.02
23 21 13 23-1792 EA 3-1/2" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	87.53 14.31	21.07
23 21 13 23-1793 EA 4" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	91.96 14.31	24.01
23 21 13 23-1794 EA 5" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	125.74 20.64	30.13
23 21 13 23-1795 EA 6" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	156.14 24.87	39.32
23 21 13 23-1796 EA 8" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	222.93 39.09	46.90
23 21 13 23-1797 Installation-Ready™ Coupling (23 21 13 23-1741) Note: Victaulic Style 009N		
23 21 13 23-1798 EA 1-1/4" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	48.16 10.11	5.72
23 21 13 23-1799 EA 1-1/2" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	50.67 10.32	6.84
23 21 13 23-1800 EA 2" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	59.53 11.67	9.19
23 21 13 23-1801 EA 2-1/2" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	69.39 13.44	11.14
23 21 13 23-1802 EA 3" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	79.71 15.21	13.38
23 21 13 23-1803 EA 4" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	110.53 21.36	17.88
23 21 13 23-1804 EA 5" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	170.37 34.94	22.36
23 21 13 23-1805 EA 6" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	207.40 41.75	29.24
23 21 13 23-1806 EA 8" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	325.18 69.76	34.78
23 21 13 23-1807 Grooved Strainers And Suction Diffusers (23 21 13 23-1331)		
23 21 13 23-1808 Grooved Wye Strainers (23 21 13 23-1807) Note: Victaulic Style 732		
23 21 13 23-1809 EA 2" Wye Strainer, Grooved.....	1,049.10	24.93
23 21 13 23-1810 EA 2-1/2" Wye Strainer, Grooved.....	1,108.20	30.25
23 21 13 23-1811 EA 3" Wye Strainer, Grooved.....	1,248.70	36.25
23 21 13 23-1812 EA 4" Wye Strainer, Grooved.....	1,423.72	48.38
23 21 13 23-1813 EA 5" Wye Strainer, Grooved.....	2,048.04	60.50
23 21 13 23-1814 EA 6" Wye Strainer, Grooved.....	2,243.50	78.63
23 21 13 23-1815 EA 8" Wye Strainer, Grooved.....	3,398.95	93.70
23 21 13 23-1816 EA 10" Wye Strainer, Grooved.....	5,402.02	109.56
23 21 13 23-1817 EA 12" Wye Strainer, Grooved.....	9,347.26	131.54
23 21 13 23-1818 Grooved Tee Type Strainers (23 21 13 23-1807) Note: Victaulic Style 730		
23 21 13 23-1819 EA 1-1/2" Tee Type Strainer, Grooved.....	809.05	18.92
23 21 13 23-1820 EA 2" Tee Type Strainer, Grooved.....	1,036.61	24.93
23 21 13 23-1821 EA 2-1/2" Tee Type Strainer, Grooved.....	1,095.22	30.25
23 21 13 23-1822 EA 3" Tee Type Strainer, Grooved.....	1,234.03	36.25
23 21 13 23-1823 EA 4" Tee Type Strainer, Grooved.....	1,407.09	48.38
23 21 13 23-1824 EA 5" Tee Type Strainer, Grooved.....	2,023.83	60.50
23 21 13 23-1825 EA 6" Tee Type Strainer, Grooved.....	2,217.39	78.63

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-1826	EA	8" Tee Type Strainer, Grooved.....	3,358.54	93.70
23 21 13 23-1827	EA	10" Tee Type Strainer, Grooved.....	4,890.48	109.56
23 21 13 23-1828	EA	12" Tee Type Strainer, Grooved.....	6,281.08	131.54
23 21 13 23-1829	EA	14" Tee Type Strainer, Grooved.....	21,908.95	148.08
23 21 13 23-1830	EA	16" Tee Type Strainer, Grooved.....	27,199.41	163.94
23 21 13 23-1831	EA	18" Tee Type Strainer, Grooved.....	35,720.27	179.12

23 21 13 23-1832 Grooved Suction Diffuser (23 21 13 23-1807)

Note: Victaulic Style 731

23 21 13 23-1833	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser.....	2,116.86	27.98
23 21 13 23-1834	EA	3" Grooved x 2" Flanged Suction Diffuser.....	2,248.41	30.93
23 21 13 23-1835	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser.....	1,637.72	36.25
23 21 13 23-1836	EA	3" Grooved x 3" Flanged Suction Diffuser.....	1,663.02	39.32
23 21 13 23-1837	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser.....	1,798.39	39.32
23 21 13 23-1838	EA	4" Grooved x 3" Flanged Suction Diffuser.....	1,940.17	42.37
23 21 13 23-1839	EA	4" Grooved x 4" Flanged Suction Diffuser.....	2,237.36	42.37
23 21 13 23-1840	EA	5" Grooved x 4" Flanged Suction Diffuser.....	2,504.30	54.38
23 21 13 23-1841	EA	5" Grooved x 5" Flanged Suction Diffuser.....	2,631.78	57.44
23 21 13 23-1842	EA	6" Grooved x 4" Flanged Suction Diffuser.....	2,678.30	63.44
23 21 13 23-1843	EA	6" Grooved x 5" Flanged Suction Diffuser.....	3,194.29	69.56
23 21 13 23-1844	EA	6" Grooved x 6" Flanged Suction Diffuser.....	3,319.45	74.09
23 21 13 23-1845	EA	8" Grooved x 5" Flanged Suction Diffuser.....	3,406.99	77.04
23 21 13 23-1846	EA	8" Grooved x 6" Flanged Suction Diffuser.....	3,599.95	86.11
23 21 13 23-1847	EA	8" Grooved x 8" Flanged Suction Diffuser.....	6,113.29	93.70
23 21 13 23-1848	EA	10" Grooved x 8" Flanged Suction Diffuser.....	6,891.93	101.28
23 21 13 23-1849	EA	10" Grooved x 10" Flanged Suction Diffuser.....	8,278.66	105.03
23 21 13 23-1850	EA	12" Grooved x 10" Flanged Suction Diffuser.....	9,793.74	120.89
23 21 13 23-1851	EA	12" Grooved x 12" Flanged Suction Diffuser.....	13,563.68	128.48
23 21 13 23-1852	EA	14" Grooved x 10" Flanged Suction Diffuser.....	12,636.97	128.48
23 21 13 23-1853	EA	14" Grooved x 12" Flanged Suction Diffuser.....	14,110.20	139.81
23 21 13 23-1854	EA	14" Grooved x 14" Flanged Suction Diffuser.....	17,102.25	148.08
23 21 13 23-1855	EA	16" Grooved x 14" Flanged Suction Diffuser.....	17,610.10	155.67

23 21 13 23-1856 Grooved Steel Valves (23 21 13 23-1331)**23 21 13 23-1857 Grooved Butterfly Valves With Standard Trim (23 21 13 23-1856)**

23 21 13 23-1858	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim.....	252.96	12.35
23 21 13 23-1859	EA	2" Butterfly Valve, Grooved, With Standard Trim.....	258.81	16.20
23 21 13 23-1860	EA	3" Butterfly Valve, Grooved, With Standard Trim.....	424.04	24.01
23 21 13 23-1861	EA	4" Butterfly Valve, Grooved, With Standard Trim.....	569.41	31.61
23 21 13 23-1862	EA	6" Butterfly Valve, Grooved, With Standard Trim.....	1,238.73	51.78
23 21 13 23-1863	EA	8" Butterfly Valve, Grooved, With Standard Trim.....	1,716.93	72.85
23 21 13 23-1864	EA	10" Butterfly Valve, Grooved, With Standard Trim.....	2,575.75	98.46

23 21 13 23-1865 Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-1856)

23 21 13 23-1866	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	378.56	12.35
23 21 13 23-1867	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	384.41	16.20
23 21 13 23-1868	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim.....	594.29	24.01
23 21 13 23-1869	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim.....	756.41	31.61
23 21 13 23-1870	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim.....	1,445.27	51.78
23 21 13 23-1871	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim.....	2,397.95	72.85
23 21 13 23-1872	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim.....	3,775.92	98.46

23 21 13 23-1873 Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-1856)

Note: Victaulic No. 721

23 21 13 23-1874	EA	1-1/2" Ball Valve, Grooved, With Standard Trim.....	213.92	12.12
23 21 13 23-1875	EA	2" Ball Valve, Grooved, With Standard Trim.....	245.58	16.66
23 21 13 23-1876	EA	2-1/2" Ball Valve, Grooved, With Standard Trim.....	556.51	20.40
23 21 13 23-1877	EA	3" Ball Valve, Grooved, With Standard Trim.....	910.28	24.14
23 21 13 23-1878	EA	4" Ball Valve, Grooved, With Standard Trim.....	1,416.12	31.72
23 21 13 23-1879	EA	6" Ball Valve, Grooved, With Standard Trim.....	4,391.59	52.12

23 21 13 23-1880 Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-1856)

Note: Victaulic No. 721

23 21 13 23-1881	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	227.67	12.12
23 21 13 23-1882	EA	2" Ball Valve, Grooved, With Stainless Steel Trim.....	388.38	16.66
23 21 13 23-1883	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	1,006.77	20.40
23 21 13 23-1884	EA	3" Ball Valve, Grooved, With Stainless Steel Trim.....	1,301.35	24.14
23 21 13 23-1885	EA	4" Ball Valve, Grooved, With Stainless Steel Trim.....	1,777.51	31.72
23 21 13 23-1886	EA	6" Ball Valve, Grooved, With Stainless Steel Trim.....	4,839.40	52.12

23 21 13 23-1887 Grooved Check Valves (23 21 13 23-1856)

Note: Victaulic No. 712

23 21 13 23-1888	EA	2" Check Valve, Grooved.....	324.20	16.66
23 21 13 23-1889	EA	2-1/2" Check Valve, Grooved.....	524.77	20.40
23 21 13 23-1890	EA	3" Check Valve, Grooved.....	611.51	24.14
23 21 13 23-1891	EA	4" Check Valve, Grooved.....	866.19	31.72

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--	-------	-------------	------------------------	----------------------

23 21 13 23-1892 Grooved Vic-Check Check Valves (23 21 13 23-1892)
 Note: Victaulic No. 716

23 21 13 23-1893	EA	2-1/2" "Vic-Check" Check Valve, Grooved.....	420.34	20.40
23 21 13 23-1894	EA	3" "Vic-Check" Check Valve, Grooved.....	425.84	24.14
23 21 13 23-1895	EA	4" "Vic-Check" Check Valve, Grooved.....	534.04	31.72
23 21 13 23-1896	EA	6" "Vic-Check" Check Valve, Grooved.....	1,038.64	52.12
23 21 13 23-1897	EA	8" "Vic-Check" Check Valve, Grooved.....	1,421.49	72.51
23 21 13 23-1898	EA	10" "Vic-Check" Check Valve, Grooved.....	3,947.30	98.23
23 21 13 23-1899	EA	12" "Vic-Check" Check Valve, Grooved.....	4,673.59	113.41

23 21 13 23-1900 Grooved Plug Valves With Lever Operator (23 21 13 23-1896)
 Note: Victaulic No. 377

23 21 13 23-1901	EA	3" Balancing Plug Valve, Grooved, With Lever Handle.....	398.00	24.14
23 21 13 23-1902	EA	4" Balancing Plug Valve, Grooved, With Lever Handle.....	445.73	31.72
23 21 13 23-1903	EA	6" Balancing Plug Valve, Grooved, With Lever Handle.....	791.93	52.12

23 21 13 23-1904 Grooved Plug Valve With Gear Operator (23 21 13 23-1896)
 Note: Victaulic No. 377

23 21 13 23-1905	EA	3" Balancing Plug Valve, Grooved, With Gear Operator.....	689.88	24.14
23 21 13 23-1906	EA	4" Balancing Plug Valve, Grooved, With Gear Operator.....	737.65	31.72
23 21 13 23-1907	EA	6" Balancing Plug Valve, Grooved, With Gear Operator.....	1,083.84	52.12
23 21 13 23-1908	EA	8" Balancing Plug Valve, Grooved, With Gear Operator.....	1,452.09	72.51
23 21 13 23-1909	EA	10" Balancing Plug Valve, Grooved, With Gear Operator.....	2,265.88	98.23
23 21 13 23-1910	EA	12" Balancing Plug Valve, Grooved, With Gear Operator.....	3,256.13	113.41

23 21 13 23-1911 Prepare Pipe For Groove (23 21 13 23-1331)

23 21 13 23-1912 Cut Grooved Pipe (23 21 13 23-1911)
 Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

23 21 13 23-1913	EA	Cut 3/4" Groove.....	11.87	
23 21 13 23-1914	EA	Cut 1" Groove.....	12.88	
23 21 13 23-1915	EA	Cut 1-1/4" Groove.....	14.55	
23 21 13 23-1916	EA	Cut 1-1/2" Groove.....	15.83	
23 21 13 23-1917	EA	Cut 2" Groove.....	17.34	
23 21 13 23-1918	EA	Cut 2-1/2" Groove.....	18.79	
23 21 13 23-1919	EA	Cut 3" Groove.....	20.50	
23 21 13 23-1920	EA	Cut 3-1/2" Groove.....	21.73	
23 21 13 23-1921	EA	Cut 4" Groove.....	23.13	
23 21 13 23-1922	EA	Cut 5" Groove.....	25.06	
23 21 13 23-1923	EA	Cut 6" Groove.....	25.77	
23 21 13 23-1924	EA	Cut 8" Groove.....	33.41	
23 21 13 23-1925	EA	Cut 10" Groove.....	47.48	
23 21 13 23-1926	EA	Cut 12" Groove.....	60.14	
23 21 13 23-1927	EA	Cut 14" Groove.....	90.20	
23 21 13 23-1928	EA	Cut 16" Groove.....	94.95	
23 21 13 23-1929	EA	Cut 18" Groove.....	100.23	
23 21 13 23-1930	EA	Cut 20" Groove.....	106.13	
23 21 13 23-1931	EA	Cut 24" Groove.....	120.27	

23 21 13 23-1932 Roll Grooved Pipe (23 21 13 23-1911)
 Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

23 21 13 23-1933	EA	Roll 3/4" Groove.....	6.78	
23 21 13 23-1934	EA	Roll 1" Groove.....	7.92	
23 21 13 23-1935	EA	Roll 1-1/4" Groove.....	9.02	
23 21 13 23-1936	EA	Roll 1-1/2" Groove.....	10.14	
23 21 13 23-1937	EA	Roll 2" Groove.....	15.55	
23 21 13 23-1938	EA	Roll 2-1/2" Groove.....	16.40	
23 21 13 23-1939	EA	Roll 3" Groove.....	18.04	
23 21 13 23-1940	EA	Roll 3-1/2" Groove.....	19.19	
23 21 13 23-1941	EA	Roll 4" Groove.....	20.98	
23 21 13 23-1942	EA	Roll 5" Groove.....	21.47	
23 21 13 23-1943	EA	Roll 6" Groove.....	22.55	
23 21 13 23-1944	EA	Roll 8" Groove.....	27.33	
23 21 13 23-1945	EA	Roll 10" Groove.....	31.11	
23 21 13 23-1946	EA	Roll 12" Groove.....	39.22	
23 21 13 23-1947	EA	Roll 14" Groove.....	60.14	
23 21 13 23-1948	EA	Roll 16" Groove.....	64.43	
23 21 13 23-1949	EA	Roll 18" Groove.....	66.82	
23 21 13 23-1950	EA	Roll 20" Groove.....	72.16	
23 21 13 23-1951	EA	Roll 24" Groove.....	78.43	

23 21 13 23-1952 Standard Gaskets (23 21 13 23-1911)
 Note: For use on replacement of existing gaskets.

23 21 13 23-1953	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	21.00	
23 21 13 23-1954	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	21.95	
23 21 13 23-1955	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	23.04	
23 21 13 23-1956	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	25.29	
23 21 13 23-1957	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	25.97	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-1958	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	30.24	
23 21 13 23-1959	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	33.21	
23 21 13 23-1960	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	40.66	
23 21 13 23-1961	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	41.21	
23 21 13 23-1962	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	50.92	
23 21 13 23-1963	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	54.70	
23 21 13 23-1964	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	74.05	
23 21 13 23-1965	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	92.53	
23 21 13 23-1966	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	109.46	
23 21 13 23-1967	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	153.14	
23 21 13 23-1968	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	203.05	
23 21 13 23-1969	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	239.69	
23 21 13 23-1970	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	352.92	
23 21 13 23-1971	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	481.76	

23 21 13 23-1972 Copper Grooved-Joint Pipe Fittings (23 21 13 23)

Note: Couplings are not included with fittings.

23 21 13 23-1973 Grooved Fittings (23 21 13 23-1972)**23 21 13 23-1974 Grooved 90 Degree Elbows (23 21 13 23-1973)**

23 21 13 23-1975	EA	2" Copper 90 Degree Elbow, Grooved.....	66.43	18.47
23 21 13 23-1976	EA	2-1/2" Copper 90 Degree Elbow, Grooved.....	76.92	22.55
23 21 13 23-1977	EA	3" Copper 90 Degree Elbow, Grooved.....	99.24	27.30
23 21 13 23-1978	EA	4" Copper 90 Degree Elbow, Grooved.....	174.46	36.03
23 21 13 23-1979	EA	5" Copper 90 Degree Elbow, Grooved.....	380.17	45.10
23 21 13 23-1980	EA	6" Copper 90 Degree Elbow, Grooved.....	580.76	59.03
23 21 13 23-1981	EA	8" Copper 90 Degree Elbow, Grooved.....	1,009.20	70.25

23 21 13 23-1982 Grooved 45 Degree Elbows (23 21 13 23-1973)

23 21 13 23-1983	EA	2" Copper 45 Degree Elbow, Grooved.....	66.43	18.47
23 21 13 23-1984	EA	2-1/2" Copper 45 Degree Elbow, Grooved.....	76.92	22.55
23 21 13 23-1985	EA	3" Copper 45 Degree Elbow, Grooved.....	99.24	27.30
23 21 13 23-1986	EA	4" Copper 45 Degree Elbow, Grooved.....	174.46	36.03
23 21 13 23-1987	EA	5" Copper 45 Degree Elbow, Grooved.....	380.17	45.10
23 21 13 23-1988	EA	6" Copper 45 Degree Elbow, Grooved.....	580.76	59.03
23 21 13 23-1989	EA	8" Copper 45 Degree Elbow, Grooved.....	1,009.20	70.25

23 21 13 23-1990 Grooved Tees (23 21 13 23-1973)

23 21 13 23-1991	EA	2" Copper Tee, Grooved.....	102.65	27.19
23 21 13 23-1992	EA	2-1/2" Copper Tee, Grooved.....	117.97	33.42
23 21 13 23-1993	EA	3" Copper Tee, Grooved.....	158.12	41.02
23 21 13 23-1994	EA	4" Copper Tee, Grooved.....	273.00	53.02
23 21 13 23-1995	EA	5" Copper Tee, Grooved.....	873.06	69.34
23 21 13 23-1996	EA	6" Copper Tee, Grooved.....	750.41	86.78
23 21 13 23-1997	EA	8" Copper Tee, Grooved.....	1,240.81	105.36

23 21 13 23-1998 Grooved Reducing Tees (23 21 13 23-1973)

23 21 13 23-1999	EA	2-1/2" Copper Tee, Reducing, Grooved.....	143.07	33.42
23 21 13 23-2000	EA	3" Copper Tee, Reducing, Grooved.....	211.41	41.02
23 21 13 23-2001	EA	4" Copper Tee, Reducing, Grooved.....	325.35	53.13
23 21 13 23-2002	EA	5" Copper Tee, Reducing, Grooved.....	807.85	69.45
23 21 13 23-2003	EA	6" Copper Tee, Reducing, Grooved.....	990.44	86.78

23 21 13 23-2004 Grooved X Cup Reducing Tees (23 21 13 23-1973)

23 21 13 23-2005	EA	2" Copper Tee, Reducing, Grooved X Cup.....	116.07	27.19
23 21 13 23-2006	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup.....	143.34	33.42
23 21 13 23-2007	EA	3" Copper Tee, Reducing, Grooved X Cup.....	223.49	41.02
23 21 13 23-2008	EA	4" Copper Tee, Reducing, Grooved X Cup.....	325.35	53.02

23 21 13 23-2009 Grooved Flanged Adapter Nipples (23 21 13 23-1973)

23 21 13 23-2010	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	167.07	20.06
23 21 13 23-2011	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	180.84	24.36
23 21 13 23-2012	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	196.57	29.12
23 21 13 23-2013	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	230.12	39.20
23 21 13 23-2014	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	298.86	47.48
23 21 13 23-2015	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	350.16	64.13

23 21 13 23-2016 Grooved Concentric Reducers (23 21 13 23-1973)

23 21 13 23-2017	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	83.50	20.62
23 21 13 23-2018	EA	3" x 2" Copper Concentric Reducer, Grooved.....	88.04	23.00
23 21 13 23-2019	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved.....	96.82	27.30
23 21 13 23-2020	EA	4" x 2" Copper Concentric Reducer, Grooved.....	141.14	27.53
23 21 13 23-2021	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	145.11	29.46
23 21 13 23-2022	EA	4" x 3" Copper Concentric Reducer, Grooved.....	149.64	31.72
23 21 13 23-2023	EA	5" x 3" Copper Concentric Reducer, Grooved.....	314.97	36.25
23 21 13 23-2024	EA	5" x 4" Copper Concentric Reducer, Grooved.....	324.03	40.78
23 21 13 23-2025	EA	6" x 3" Copper Concentric Reducer, Grooved.....	348.57	43.06

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

23 21	13 23-2026	EA	6" x 4" Copper Concentric Reducer, Grooved	357.62	47.59
23 21	13 23-2027	EA	6" x 5" Copper Concentric Reducer, Grooved	366.70	52.12
23 21	13 23-2028	EA	8" x 6" Copper Concentric Reducer, Grooved	589.76	64.58

23 21 13 23-2029 Grooved X Cup Concentric Reducers (23 21 13 23-1973)

23 21	13 23-2030	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	63.80	14.50
23 21	13 23-2031	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	64.93	15.07
23 21	13 23-2032	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	68.40	16.77
23 21	13 23-2033	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	75.06	16.20
23 21	13 23-2034	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	76.18	16.77
23 21	13 23-2035	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	79.51	18.47
23 21	13 23-2036	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	84.04	20.62
23 21	13 23-2037	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	94.37	20.62
23 21	13 23-2038	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	98.91	23.00
23 21	13 23-2039	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup	153.36	27.42

23 21 13 23-2040 Grooved Standard Couplings (23 21 13 23-1973)

23 21	13 23-2041	EA	2" Copper Standard Coupling, Grooved	28.65	9.29
23 21	13 23-2042	EA	2-1/2" Copper Standard Coupling, Grooved	34.17	11.33
23 21	13 23-2043	EA	3" Copper Standard Coupling, Grooved	39.72	13.48
23 21	13 23-2044	EA	4" Copper Standard Coupling, Grooved	55.65	18.13
23 21	13 23-2045	EA	5" Copper Standard Coupling, Grooved	78.41	22.55
23 21	13 23-2046	EA	6" Copper Standard Coupling, Grooved	102.99	29.46
23 21	13 23-2047	EA	8" Copper Standard Coupling, Grooved	138.71	35.12

23 21 13 23-2048 Grooved Caps (23 21 13 23-1973)

23 21	13 23-2049	EA	2" Copper Cap, Grooved	38.78	9.29
23 21	13 23-2050	EA	2-1/2" Copper Cap, Grooved	52.62	11.33
23 21	13 23-2051	EA	3" Copper Cap, Grooved	64.25	13.48
23 21	13 23-2052	EA	4" Copper Cap, Grooved	92.06	18.02
23 21	13 23-2053	EA	5" Copper Cap, Grooved	144.37	22.55
23 21	13 23-2054	EA	6" Copper Cap, Grooved	173.25	29.46

23 21 13 23-2055 Grooved Valves (23 21 13 23-1972)

23 21 13 23-2056 Grooved Butterfly Valves, Standard Trim, Without Operator (23 21 13 23-2055)

Note: Copper body.

23 21	13 23-2057	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	416.68	12.12
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	
23 21	13 23-2058	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	475.50	18.02
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	
23 21	13 23-2059	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	628.52	23.68
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	
23 21	13 23-2060	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	841.38	38.87
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	
23 21	13 23-2061	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	931.99	54.61
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	

23 21 13 23-2062 Grooved Butterfly Valves, Standard Trim, With Operator (23 21 13 23-2055)

Note: Copper body.

23 21	13 23-2063	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	508.02	12.12
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	
23 21	13 23-2064	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	566.91	18.02
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	
23 21	13 23-2065	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	719.93	23.68
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	
23 21	13 23-2066	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	932.84	38.87
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	
23 21	13 23-2067	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,023.40	54.61
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	

23 21 13 23-2068 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23)

23 21 13 23-2069 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2068)

Note: ASTM D1785 with D2466 fittings.

23 21	13 23-2070		Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-2069)</small>		
23 21	13 23-2071	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.19	3.24
			<i>For Work In Restricted Working Space, Add</i>	1.46	
23 21	13 23-2072	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.51	4.05
			<i>For Work In Restricted Working Space, Add</i>	1.82	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2073	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.09 1.94	4.32
23 21	13 23-2074	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.78 2.09	4.64
23 21	13 23-2075	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.01 2.12	4.72
23 21	13 23-2076	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.75 2.55	5.66
23 21	13 23-2077	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	12.07 3.02	6.72
23 21	13 23-2078	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	14.77 3.65	8.12
23 21	13 23-2079	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	22.01 5.48	12.18
23 21	13 23-2080	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	30.88 7.31	16.25
23 21	13 23-2081	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	38.94 8.72	19.36
23 21	13 23-2082	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	62.69 9.72	21.63
23 21	13 23-2083		Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2069)		
23 21	13 23-2084	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	18.56 5.48	12.24
23 21	13 23-2085	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	24.76 7.31	16.20
23 21	13 23-2086	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	30.90 9.06	20.17
23 21	13 23-2087	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	44.02 12.83	28.55
23 21	13 23-2088	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	49.56 14.46	32.17
23 21	13 23-2089	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	63.36 18.37	40.91
23 21	13 23-2090	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	97.09 27.19	60.50
23 21	13 23-2091	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	127.01 35.78	79.54
23 21	13 23-2092	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	155.47 42.49	94.49
23 21	13 23-2093	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	195.00 48.56	107.98
23 21	13 23-2094	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	274.18 56.65	125.99
23 21	13 23-2095	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	409.46 84.47	187.85
23 21	13 23-2096		Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2069)		
23 21	13 23-2097	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	18.69 5.48	12.24
23 21	13 23-2098	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	25.03 7.31	16.20
23 21	13 23-2099	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	31.29 9.06	20.17
23 21	13 23-2100	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	44.27 12.83	28.55
23 21	13 23-2101	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	50.11 14.46	32.17
23 21	13 23-2102	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	63.72 18.37	40.91
23 21	13 23-2103	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	97.09 27.19	60.50
23 21	13 23-2104	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	129.33 35.78	79.54
23 21	13 23-2105	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	159.69 42.49	94.49
23 21	13 23-2106	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	195.39 48.56	107.98
23 21	13 23-2107	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	269.52 56.65	125.99
23 21	13 23-2108	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	409.46 84.47	187.85
23 21	13 23-2109		Schedule 40 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2069)		
23 21	13 23-2110	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	30.54 9.06	20.17
23 21	13 23-2111	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	36.90 10.96	24.36
23 21	13 23-2112	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	48.90 14.46	32.17
23 21	13 23-2113	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	62.34 18.37	40.91
23 21	13 23-2114	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	74.45 21.93	48.72

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2115	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	92.60 27.19	60.50
23 21	13 23-2116	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	125.77 35.78	79.54
23 21	13 23-2117	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	150.15 42.49	94.49
23 21	13 23-2118	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	204.27 56.65	125.99
23 21	13 23-2119	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	295.72 73.10	162.46
23 21	13 23-2120	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	422.92 90.64	201.55
23 21	13 23-2121	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	924.18 135.46	301.15
23 21 13 23-2122 Schedule 40 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2069)					
23 21	13 23-2123	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	38.29 11.33	25.15
23 21	13 23-2124	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	46.25 13.71	30.48
23 21	13 23-2125	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	61.35 18.08	40.22
23 21	13 23-2126	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	78.29 22.97	51.09
23 21	13 23-2127	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	93.49 27.41	60.95
23 21	13 23-2128	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	116.37 33.99	75.57
23 21	13 23-2129	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	159.27 44.72	99.47
23 21	13 23-2130	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	190.38 53.11	118.05
23 21	13 23-2131	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	260.25 70.81	157.48
23 21	13 23-2132	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	386.05 91.33	203.03
23 21	13 23-2133	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	566.81 113.24	251.75
23 21	13 23-2134	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	1,305.62 169.40	376.60
23 21 13 23-2135 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2069)					
23 21	13 23-2136	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	24.62 7.31	16.20
23 21	13 23-2137	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	30.73 9.06	20.17
23 21	13 23-2138	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	43.44 12.83	28.55
23 21	13 23-2139	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	48.93 14.46	32.17
23 21	13 23-2140	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	62.45 18.37	40.91
23 21	13 23-2141	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	92.57 27.19	60.50
23 21	13 23-2142	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	122.16 35.78	79.54
23 21	13 23-2143	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	148.16 42.49	94.49
23 21	13 23-2144	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	178.09 48.56	107.98
23 21	13 23-2145	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	282.22 56.65	125.99
23 21	13 23-2146	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	323.05 65.81	146.27
23 21 13 23-2147 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2069)					
23 21	13 23-2148	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	18.86 5.48	12.24
23 21	13 23-2149	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	24.95 7.31	16.20
23 21	13 23-2150	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	30.93 9.06	20.17
23 21	13 23-2151	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	43.85 12.83	28.55
23 21	13 23-2152	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	49.48 14.46	32.17
23 21	13 23-2153	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	62.98 18.37	40.91
23 21	13 23-2154	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	93.15 27.19	60.50
23 21	13 23-2155	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	122.16 35.78	79.54
23 21	13 23-2156	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	148.16 42.49	94.49

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2157			Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <small>(23 21 13 23-2069)</small>		
23 21 13 23-2158	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	19.05	12.24
			<i>For Work In Restricted Working Space, Add</i>	5.48	
23 21 13 23-2159	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	25.14	16.20
			<i>For Work In Restricted Working Space, Add</i>	7.31	
23 21 13 23-2160	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	31.31	20.17
			<i>For Work In Restricted Working Space, Add</i>	9.06	
23 21 13 23-2161	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	44.07	28.55
			<i>For Work In Restricted Working Space, Add</i>	12.83	
23 21 13 23-2162	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	49.98	32.17
			<i>For Work In Restricted Working Space, Add</i>	14.46	
23 21 13 23-2163	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	63.42	40.91
			<i>For Work In Restricted Working Space, Add</i>	18.37	
23 21 13 23-2164	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	93.65	60.50
			<i>For Work In Restricted Working Space, Add</i>	27.19	
23 21 13 23-2165	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	123.67	79.54
			<i>For Work In Restricted Working Space, Add</i>	35.78	
23 21 13 23-2166	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	147.28	94.49
			<i>For Work In Restricted Working Space, Add</i>	42.49	
23 21 13 23-2167			Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <small>(23 21 13 23-2069)</small>		
23 21 13 23-2168	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	18.56	12.24
			<i>For Work In Restricted Working Space, Add</i>	5.48	
23 21 13 23-2169	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	24.73	16.20
			<i>For Work In Restricted Working Space, Add</i>	7.31	
23 21 13 23-2170	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	30.62	20.17
			<i>For Work In Restricted Working Space, Add</i>	9.06	
23 21 13 23-2171	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	43.41	28.55
			<i>For Work In Restricted Working Space, Add</i>	12.83	
23 21 13 23-2172	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	48.98	32.17
			<i>For Work In Restricted Working Space, Add</i>	14.46	
23 21 13 23-2173	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	62.29	40.91
			<i>For Work In Restricted Working Space, Add</i>	18.37	
23 21 13 23-2174	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	95.19	60.50
			<i>For Work In Restricted Working Space, Add</i>	27.19	
23 21 13 23-2175	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	125.38	79.54
			<i>For Work In Restricted Working Space, Add</i>	35.78	
23 21 13 23-2176	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	151.75	94.49
			<i>For Work In Restricted Working Space, Add</i>	42.49	
23 21 13 23-2177			Schedule 40 Polyvinyl Chloride (PVC) P-Traps <small>(23 21 13 23-2069)</small>		
23 21 13 23-2178	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps.....	26.94	16.66
			<i>For Work In Restricted Working Space, Add</i>	7.48	
23 21 13 23-2179			Schedule 40 Polyvinyl Chloride (PVC) Couplings <small>(23 21 13 23-2069)</small>		
23 21 13 23-2180	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	18.45	12.24
			<i>For Work In Restricted Working Space, Add</i>	5.48	
23 21 13 23-2181	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	24.59	16.20
			<i>For Work In Restricted Working Space, Add</i>	7.31	
23 21 13 23-2182	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	30.62	20.17
			<i>For Work In Restricted Working Space, Add</i>	9.06	
23 21 13 23-2183	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	43.30	28.55
			<i>For Work In Restricted Working Space, Add</i>	12.83	
23 21 13 23-2184	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	48.82	32.17
			<i>For Work In Restricted Working Space, Add</i>	14.46	
23 21 13 23-2185	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	62.18	40.91
			<i>For Work In Restricted Working Space, Add</i>	18.37	
23 21 13 23-2186	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	92.74	60.50
			<i>For Work In Restricted Working Space, Add</i>	27.19	
23 21 13 23-2187	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	122.54	79.54
			<i>For Work In Restricted Working Space, Add</i>	35.78	
23 21 13 23-2188	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	146.40	94.49
			<i>For Work In Restricted Working Space, Add</i>	42.49	
23 21 13 23-2189	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	176.96	107.98
			<i>For Work In Restricted Working Space, Add</i>	48.56	
23 21 13 23-2190	EA		8" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	217.07	125.99
			<i>For Work In Restricted Working Space, Add</i>	56.65	
23 21 13 23-2191	EA		10" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	332.02	135.05
			<i>For Work In Restricted Working Space, Add</i>	60.72	
23 21 13 23-2192			Schedule 40 Polyvinyl Chloride (PVC) Unions <small>(23 21 13 23-2069)</small>		
23 21 13 23-2193	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	31.67	20.17
			<i>For Work In Restricted Working Space, Add</i>	9.06	
23 21 13 23-2194	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	41.20	24.36
			<i>For Work In Restricted Working Space, Add</i>	10.96	
23 21 13 23-2195	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	53.42	32.17
			<i>For Work In Restricted Working Space, Add</i>	14.46	
23 21 13 23-2196	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	73.93	40.91
			<i>For Work In Restricted Working Space, Add</i>	18.37	

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

23 21	13 23-2197	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	86.34 21.93	48.72
23 21	13 23-2198	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	108.48 27.19	60.50
23 21	13 23-2199	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	151.64 35.78	79.54
23 21	13 23-2200	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	175.94 42.49	94.49
23 21	13 23-2201	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	256.86 56.65	125.99
23 21	13 23-2202	EA 6" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	334.74 73.06	162.46
23 21	13 23-2203	EA 8" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	452.42 90.59	201.44
23 21	13 23-2204	EA 10" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	622.96 112.49	250.04

23 21 13 23-2205 Schedule 40 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2069)

23 21	13 23-2206	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	18.66 5.53	12.35
23 21	13 23-2207	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	24.65 7.31	16.20
23 21	13 23-2208	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	30.65 9.06	20.17
23 21	13 23-2209	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	43.74 12.94	28.80
23 21	13 23-2210	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	48.87 14.46	32.17
23 21	13 23-2211	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	62.04 18.37	40.91
23 21	13 23-2212	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	93.26 27.19	60.50
23 21	13 23-2213	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	122.10 35.78	79.54
23 21	13 23-2214	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	148.14 42.49	94.49
23 21	13 23-2215	EA 6" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	177.43 48.56	107.98
23 21	13 23-2216	EA 8" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	240.95 56.65	125.99
23 21	13 23-2217	EA 10" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	395.26 60.72	135.05

23 21 13 23-2218 Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges (23 21 13 23-2069)

23 21	13 23-2219	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges <i>For Work In Restricted Working Space, Add</i>	35.75 9.06	20.17
23 21	13 23-2220	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	45.03 10.96	24.36
23 21	13 23-2221	EA 1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	57.67 14.46	32.17
23 21	13 23-2222	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	70.97 18.37	40.91
23 21	13 23-2223	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	83.06 21.93	48.72
23 21	13 23-2224	EA 2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	103.88 27.19	60.50
23 21	13 23-2225	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	139.69 35.78	79.54
23 21	13 23-2226	EA 3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	164.19 42.49	94.49
23 21	13 23-2227	EA 4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	217.40 56.65	125.99
23 21	13 23-2228	EA 6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	288.46 73.06	162.46
23 21	13 23-2229	EA 8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	403.31 90.59	201.44
23 21	13 23-2230	EA 10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	602.79 112.31	249.71

23 21 13 23-2231 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2068)

Note: ASTM D1785 with D2467 fittings.

23 21 13 23-2232 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2231)

23 21	13 23-2233	LF 1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.29 1.46	3.29
23 21	13 23-2234	LF 3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.63 1.82	4.08
23 21	13 23-2235	LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.09 2.18	4.87
23 21	13 23-2236	LF 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.61 2.56	5.67
23 21	13 23-2237	LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	11.04 2.92	6.46
23 21	13 23-2238	LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	14.08 3.65	8.16

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2239	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	16.23 4.02	8.95
23 21	13 23-2240	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	18.38 4.39	9.75
23 21	13 23-2241	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	23.80 5.48	12.24
23 21	13 23-2242	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	34.85 7.31	16.20
23 21	13 23-2243	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	45.02 8.72	19.37
23 21	13 23-2244	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	80.50 9.39	20.85
23 21	13 23-2245		Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <small>(23 21 13 23-2231)</small>		
23 21	13 23-2246	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	19.27 5.48 2.74	12.24
23 21	13 23-2247	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	25.67 7.31 3.66	16.20
23 21	13 23-2248	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	32.31 9.06 4.53	20.17
23 21	13 23-2249	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	45.54 12.83 6.41	28.55
23 21	13 23-2250	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	51.19 14.46 7.23	32.17
23 21	13 23-2251	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	64.85 18.37 9.19	40.91
23 21	13 23-2252	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	99.11 27.19 13.60	60.50
23 21	13 23-2253	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	128.77 35.78 17.89	79.54
23 21	13 23-2254	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	156.08 42.49 21.24	94.49
23 21	13 23-2255	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	214.06 48.56 24.28	107.98
23 21	13 23-2256	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	302.31 56.65 28.32	125.99
23 21	13 23-2257	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	444.52 94.98 47.49	211.19
23 21	13 23-2258		Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <small>(23 21 13 23-2231)</small>		
23 21	13 23-2259	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	20.18 5.48 2.74	12.24
23 21	13 23-2260	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	27.27 7.31 3.66	16.20
23 21	13 23-2261	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	34.57 9.06 4.53	20.17
23 21	13 23-2262	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	48.32 12.83 6.41	28.55
23 21	13 23-2263	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	54.77 14.46 7.23	32.17
23 21	13 23-2264	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	69.76 18.37 9.19	40.91
23 21	13 23-2265	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	108.57 27.19 13.60	60.50
23 21	13 23-2266	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	141.08 35.78 17.89	79.54
23 21	13 23-2267	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	180.93 42.49 21.24	94.49
23 21	13 23-2268	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	211.33 48.56 24.28	107.98
23 21	13 23-2269	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	296.12 56.65 28.32	125.99

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2270 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	437.55 94.98 47.49	211.19
23 21 13 23-2271 Schedule 80 Polyvinyl Chloride (PVC) Tees <small>(23 21 13 23-2231)</small>		
23 21 13 23-2272 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	31.53 8.61 4.30	19.15
23 21 13 23-2273 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	39.52 10.96 5.48	24.36
23 21 13 23-2274 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	51.93 14.46 7.23	32.17
23 21 13 23-2275 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	71.53 18.37 9.19	40.91
23 21 13 23-2276 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	83.39 21.93 10.97	48.72
23 21 13 23-2277 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	103.52 27.19 13.60	60.50
23 21 13 23-2278 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	133.27 35.78 17.89	79.54
23 21 13 23-2279 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	159.12 42.49 21.24	94.49
23 21 13 23-2280 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	209.10 56.65 28.32	125.99
23 21 13 23-2281 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	312.90 73.10 36.55	162.46
23 21 13 23-2282 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	462.75 90.64 45.32	201.55
23 21 13 23-2283 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	924.21 135.46 67.73	301.15
23 21 13 23-2284 Schedule 80 Polyvinyl Chloride (PVC) Crosses <small>(23 21 13 23-2231)</small>		
23 21 13 23-2285 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	40.30 10.76 5.38	23.90
23 21 13 23-2286 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	50.36 13.71 6.85	30.48
23 21 13 23-2287 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	66.11 18.08 9.04	40.22
23 21 13 23-2288 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	92.69 22.97 11.48	51.09
23 21 13 23-2289 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	107.50 27.41 13.71	60.95
23 21 13 23-2290 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	133.49 33.99 17.00	75.57
23 21 13 23-2291 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	171.03 44.72 22.36	99.47
23 21 13 23-2292 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	204.43 53.11 26.55	118.05
23 21 13 23-2293 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	267.82 70.81 35.41	157.48
23 21 13 23-2294 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	412.99 91.33 45.66	203.03
23 21 13 23-2295 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	629.26 113.24 56.62	251.75
23 21 13 23-2296 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,305.67 169.40 84.70	376.60
23 21 13 23-2297 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <small>(23 21 13 23-2231)</small>		
23 21 13 23-2298 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	24.95 7.31	16.20
23 21 13 23-2299 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	31.89 9.06	20.17

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2300	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	45.40 12.83	28.55
23 21	13 23-2301	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	51.82 14.46	32.17
23 21	13 23-2302	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	66.40 18.37	40.91
23 21	13 23-2303	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	99.58 27.19	60.50
23 21	13 23-2304	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	133.46 35.78	79.54
23 21	13 23-2305	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	161.32 42.49	94.49
23 21	13 23-2306	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	183.69 48.56	107.98
23 21	13 23-2307	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	237.31 56.65	125.99
23 21	13 23-2308	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	323.06 65.81	146.27
23 21	13 23-2309		Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2231)		
23 21	13 23-2310	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	18.47 5.48	12.24
23 21	13 23-2311	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	25.45 7.31	16.20
23 21	13 23-2312	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	31.89 9.06	20.17
23 21	13 23-2313	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	46.17 12.83	28.55
23 21	13 23-2314	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	52.51 14.46	32.17
23 21	13 23-2315	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	66.51 18.37	40.91
23 21	13 23-2316	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	101.78 27.19	60.50
23 21	13 23-2317	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	139.89 35.78	79.54
23 21	13 23-2318	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	173.34 42.49	94.49
23 21	13 23-2319		Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2231)		
23 21	13 23-2320	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	20.62 5.48	12.24
23 21	13 23-2321	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	26.96 7.31	16.20
23 21	13 23-2322	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	34.73 9.06	20.17
23 21	13 23-2323	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	48.05 12.83	28.55
23 21	13 23-2324	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	55.82 14.46	32.17
23 21	13 23-2325	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	71.17 18.37	40.91
23 21	13 23-2326	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	101.95 27.19	60.50
23 21	13 23-2327	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	131.81 35.78	79.54
23 21	13 23-2328	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	163.94 42.49	94.49
23 21	13 23-2329		Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2231)		
23 21	13 23-2330	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	19.99 5.48	12.24
23 21	13 23-2331	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	26.91 7.31	16.20
23 21	13 23-2332	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	33.96 9.06	20.17
23 21	13 23-2333	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	48.84 12.83	28.55
23 21	13 23-2334	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	55.68 14.46	32.17
23 21	13 23-2335	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	74.26 18.37	40.91
23 21	13 23-2336	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	111.21 27.19	60.50
23 21	13 23-2337	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	142.42 35.78	79.54
23 21	13 23-2338	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	181.45 42.49	94.49
23 21	13 23-2339		Schedule 80 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2231)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2340 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	20.10 5.48 2.74	12.24
23 21 13 23-2341 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	26.82 7.31 3.66	16.20
23 21 13 23-2342 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	32.75 9.06 4.53	20.17
23 21 13 23-2343 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	46.64 12.83 6.41	28.55
23 21 13 23-2344 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	52.40 14.46 7.23	32.17
23 21 13 23-2345 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	65.71 18.37 9.19	40.91
23 21 13 23-2346 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	101.70 27.19 13.60	60.50
23 21 13 23-2347 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	131.97 35.78 17.89	79.54
23 21 13 23-2348 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	157.57 42.49 21.24	94.49
23 21 13 23-2349 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	196.13 48.56 24.28	107.98
23 21 13 23-2350 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	235.49 56.65 28.32	125.99
23 21 13 23-2351 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	340.30 60.72 30.36	135.05
23 21 13 23-2352 Schedule 80 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2231)		
23 21 13 23-2353 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	34.29 9.06	20.17
23 21 13 23-2354 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	41.26 10.96	24.36
23 21 13 23-2355 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	53.59 14.46	32.17
23 21 13 23-2356 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	74.70 18.37	40.91
23 21 13 23-2357 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	90.42 21.93	48.72
23 21 13 23-2358 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	114.11 27.19	60.50
23 21 13 23-2359 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	162.96 35.78	79.54
23 21 13 23-2360 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	197.96 42.49	94.49
23 21 13 23-2361 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	257.03 56.65	125.99
23 21 13 23-2362 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	334.74 73.06	162.46
23 21 13 23-2363 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	452.42 90.59	201.44
23 21 13 23-2364 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	622.37 112.31	249.71
23 21 13 23-2365 Schedule 80 Threaded Polyvinyl Chloride (PVC) Unions (23 21 13 23-2231)		
23 21 13 23-2366 EA 1/2", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	41.88	25.17
23 21 13 23-2367 EA 3/4", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	49.37	29.12
23 21 13 23-2368 EA 1", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	59.25	34.33
23 21 13 23-2369 EA 1-1/4", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	75.97	40.91
23 21 13 23-2370 EA 1-1/2", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	91.25	48.72
23 21 13 23-2371 EA 2", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	118.36	60.50
23 21 13 23-2372 EA 3", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	246.13	117.26
23 21 13 23-2373 EA 4", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	268.70	130.06
23 21 13 23-2374 Schedule 80 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2231)		
23 21 13 23-2375 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	20.84 5.48 2.74	12.24
23 21 13 23-2376 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	27.07 7.31 3.66	16.20
23 21 13 23-2377 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	35.01 9.06 4.53	20.17

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-2378	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	48.54 12.83 6.41	28.55
23 21 13 23-2379	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	54.00 14.46 7.23	32.17
23 21 13 23-2380	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	69.93 18.37 9.19	40.91
23 21 13 23-2381	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	108.48 27.19 13.60	60.50
23 21 13 23-2382	EA 3" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	141.07 35.78 17.89	79.54
23 21 13 23-2383	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	176.71 42.49 21.24	94.49
23 21 13 23-2384	EA 6" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	249.00 48.56 24.28	107.98
23 21 13 23-2385	EA 8" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	308.55 56.65 28.32	125.99
23 21 13 23-2386	EA 10" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	422.84 60.72 30.36	135.05
23 21 13 23-2387 Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges (23 21 13 23-23 31)			
23 21 13 23-2388	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	38.12 9.06 4.53	20.17
23 21 13 23-2389	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	45.03 10.96 5.48	24.36
23 21 13 23-2390	EA 1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	57.67 14.46 7.23	32.17
23 21 13 23-2391	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	70.98 18.37 9.19	40.91
23 21 13 23-2392	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	83.06 21.93 10.97	48.72
23 21 13 23-2393	EA 2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	103.88 27.19 13.60	60.50
23 21 13 23-2394	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	139.70 35.78 17.89	79.54
23 21 13 23-2395	EA 3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	164.19 42.49 21.24	94.49
23 21 13 23-2396	EA 4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	217.40 56.65 28.32	125.99
23 21 13 23-2397	EA 6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	288.46 73.06 36.53	162.46
23 21 13 23-2398	EA 8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	403.31 90.59 45.29	201.44
23 21 13 23-2399	EA 10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	602.79 112.31 56.16	249.71
23 21 13 23-2400 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2069)			
Note: In place pipe.			
23 21 13 23-2401	EA 1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.16 1.85	
23 21 13 23-2402	EA 3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.65 2.00	
23 21 13 23-2403	EA 1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.48 2.24	
23 21 13 23-2404	EA 1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.85 2.36	
23 21 13 23-2405	EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.31 2.49	
23 21 13 23-2406	EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.14 2.74	
23 21 13 23-2407	EA 2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.84 2.95	
23 21 13 23-2408	EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	11.63 3.49	
23 21 13 23-2409	EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	15.70 4.71	

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

23 21	13 23-2410	EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	22.43 6.73	
23 21	13 23-2411	EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	29.91 8.97	
23 21	13 23-2412	EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	36.56 10.97	
23 21	13 23-2413	Polyethylene Pipe And Fittings (23 21 13 23)		
23 21	13 23-2414	Small Diameter Tubing (23 21 13 23-2413)		
23 21	13 23-2415	Tubing (23 21 13 23-2414)		
23 21	13 23-2416	LF 1/4" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.47 1.03	
23 21	13 23-2417	LF 5/16" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.58 1.05	
23 21	13 23-2418	LF 3/8" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.69 1.07	
23 21	13 23-2419	LF 1/2" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.94 1.16	
23 21	13 23-2420	Chrome Plated Pipe (23 21 13 23)		
23 21	13 23-2421	Chrome Plated Nipples (23 21 13 23-2420)		
23 21	13 23-2422	Close (23 21 13 23-2421)		
23 21	13 23-2423	EA 1/4" Diameter Chrome Plated Nipple, Close.....	19.02	9.84
23 21	13 23-2424	EA 3/8" Diameter Chrome Plated Nipple, Close.....	19.15	10.71
23 21	13 23-2425	EA 1/2" Diameter Chrome Plated Nipple, Close.....	23.06	12.31
23 21	13 23-2426	EA 3/4" Diameter Chrome Plated Nipple, Close.....	29.83	15.63
23 21	13 23-2427	EA 1" Diameter Chrome Plated Nipple, Close.....	39.67	20.56
23 21	13 23-2428	EA 1-1/4" Diameter Chrome Plated Nipple, Close.....	55.93	28.68
23 21	13 23-2429	EA 1-1/2" Diameter Chrome Plated Nipple, Close.....	67.17	33.61
23 21	13 23-2430	EA 2" Diameter Chrome Plated Nipple, Close.....	85.43	41.86
23 21	13 23-2431	1-1/2" Nipples (23 21 13 23-2421)		
23 21	13 23-2432	EA 1/4" Diameter Chrome Plated Nipple, 1-1/2" Length.....	20.10	10.22
23 21	13 23-2433	EA 3/8" Diameter Chrome Plated Nipple, 1-1/2" Length.....	20.07	11.08
23 21	13 23-2434	EA 1/2" Diameter Chrome Plated Nipple, 1-1/2" Length.....	23.71	12.68
23 21	13 23-2435	EA 3/4" Diameter Chrome Plated Nipple, 1-1/2" Length.....	30.77	16.00
23 21	13 23-2436	2" Nipples (23 21 13 23-2421)		
23 21	13 23-2437	EA 1/4" Diameter Chrome Plated Nipple, 2" Length.....	20.92	10.71
23 21	13 23-2438	EA 3/8" Diameter Chrome Plated Nipple, 2" Length.....	20.78	11.45
23 21	13 23-2439	EA 1/2" Diameter Chrome Plated Nipple, 2" Length.....	25.10	13.17
23 21	13 23-2440	EA 3/4" Diameter Chrome Plated Nipple, 2" Length.....	32.01	16.37
23 21	13 23-2441	EA 1" Diameter Chrome Plated Nipple, 2" Length.....	41.68	21.29
23 21	13 23-2442	EA 1-1/4" Diameter Chrome Plated Nipple, 2" Length.....	58.82	29.54
23 21	13 23-2443	EA 1-1/2" Diameter Chrome Plated Nipple, 2" Length.....	70.42	34.46
23 21	13 23-2444	2-1/2" Nipples (23 21 13 23-2421)		
23 21	13 23-2445	EA 1/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	21.96	11.08
23 21	13 23-2446	EA 3/8" Diameter Chrome Plated Nipple, 2-1/2" Length.....	21.54	11.94
23 21	13 23-2447	EA 1/2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	26.08	13.54
23 21	13 23-2448	EA 3/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	32.80	16.87
23 21	13 23-2449	EA 1" Diameter Chrome Plated Nipple, 2-1/2" Length.....	42.72	21.79
23 21	13 23-2450	EA 1-1/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	61.31	29.91
23 21	13 23-2451	EA 1-1/2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	73.65	34.84
23 21	13 23-2452	EA 2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	92.70	43.08
23 21	13 23-2453	3" Nipples (23 21 13 23-2421)		
23 21	13 23-2454	EA 1/4" Diameter Chrome Plated Nipple, 3" Length.....	22.84	11.45
23 21	13 23-2455	EA 3/8" Diameter Chrome Plated Nipple, 3" Length.....	22.59	12.31
23 21	13 23-2456	EA 1/2" Diameter Chrome Plated Nipple, 3" Length.....	25.55	13.17
23 21	13 23-2457	EA 3/4" Diameter Chrome Plated Nipple, 3" Length.....	34.69	17.24
23 21	13 23-2458	EA 1" Diameter Chrome Plated Nipple, 3" Length.....	46.27	22.16
23 21	13 23-2459	EA 1-1/4" Diameter Chrome Plated Nipple, 3" Length.....	64.01	30.41
23 21	13 23-2460	EA 1-1/2" Diameter Chrome Plated Nipple, 3" Length.....	80.81	35.33
23 21	13 23-2461	EA 2" Diameter Chrome Plated Nipple, 3" Length.....	98.37	43.57
23 21	13 23-2462	3-1/2" Nipples (23 21 13 23-2421)		
23 21	13 23-2463	EA 1/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	23.80	11.94
23 21	13 23-2464	EA 3/8" Diameter Chrome Plated Nipple, 3-1/2" Length.....	24.17	12.68
23 21	13 23-2465	EA 1/2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	28.08	14.40
23 21	13 23-2466	EA 3/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	37.37	17.61
23 21	13 23-2467	EA 1" Diameter Chrome Plated Nipple, 3-1/2" Length.....	47.83	22.53
23 21	13 23-2468	EA 1-1/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	68.98	30.78
23 21	13 23-2469	EA 1-1/2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	83.17	35.70
23 21	13 23-2470	EA 2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	102.97	43.95

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2471			4" Nipples (23 21 13 23-2421)		
23 21 13 23-2472	EA		1/4" Diameter Chrome Plated Nipple, 4" Length.....	24.74	12.31
23 21 13 23-2473	EA		3/8" Diameter Chrome Plated Nipple, 4" Length.....	24.83	13.17
23 21 13 23-2474	EA		1/2" Diameter Chrome Plated Nipple, 4" Length.....	27.93	13.91
23 21 13 23-2475	EA		3/4" Diameter Chrome Plated Nipple, 4" Length.....	38.59	18.10
23 21 13 23-2476	EA		1" Diameter Chrome Plated Nipple, 4" Length.....	49.33	23.02
23 21 13 23-2477	EA		1-1/4" Diameter Chrome Plated Nipple, 4" Length.....	72.86	31.15
23 21 13 23-2478	EA		1-1/2" Diameter Chrome Plated Nipple, 4" Length.....	87.72	36.07
23 21 13 23-2479	EA		2" Diameter Chrome Plated Nipple, 4" Length.....	108.50	44.32
23 21 13 23-2480			4-1/2" Nipples (23 21 13 23-2421)		
23 21 13 23-2481	EA		1/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	25.62	12.68
23 21 13 23-2482	EA		3/8" Diameter Chrome Plated Nipple, 4-1/2" Length.....	26.42	13.54
23 21 13 23-2483	EA		1/2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	30.53	15.14
23 21 13 23-2484	EA		3/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	39.98	18.46
23 21 13 23-2485	EA		1" Diameter Chrome Plated Nipple, 4-1/2" Length.....	53.77	23.39
23 21 13 23-2486	EA		1-1/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	76.59	31.64
23 21 13 23-2487	EA		1-1/2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	89.90	36.56
23 21 13 23-2488	EA		2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	113.61	44.81
23 21 13 23-2489			5" Nipples (23 21 13 23-2421)		
23 21 13 23-2490	EA		1/4" Diameter Chrome Plated Nipple, 5" Length.....	27.88	13.17
23 21 13 23-2491	EA		3/8" Diameter Chrome Plated Nipple, 5" Length.....	27.52	13.91
23 21 13 23-2492	EA		1/2" Diameter Chrome Plated Nipple, 5" Length.....	31.53	15.63
23 21 13 23-2493	EA		3/4" Diameter Chrome Plated Nipple, 5" Length.....	41.31	18.83
23 21 13 23-2494	EA		1" Diameter Chrome Plated Nipple, 5" Length.....	56.58	23.76
23 21 13 23-2495	EA		1-1/4" Diameter Chrome Plated Nipple, 5" Length.....	80.01	32.00
23 21 13 23-2496	EA		1-1/2" Diameter Chrome Plated Nipple, 5" Length.....	94.46	36.93
23 21 13 23-2497	EA		2" Diameter Chrome Plated Nipple, 5" Length.....	117.01	45.18
23 21 13 23-2498			5-1/2" Nipples (23 21 13 23-2421)		
23 21 13 23-2499	EA		1/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	28.78	13.54
23 21 13 23-2500	EA		3/8" Diameter Chrome Plated Nipple, 5-1/2" Length.....	28.45	14.40
23 21 13 23-2501	EA		1/2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	33.78	16.00
23 21 13 23-2502	EA		3/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	42.64	19.33
23 21 13 23-2503	EA		1" Diameter Chrome Plated Nipple, 5-1/2" Length.....	58.19	24.25
23 21 13 23-2504	EA		1-1/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	84.08	32.37
23 21 13 23-2505	EA		1-1/2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	98.14	37.30
23 21 13 23-2506	EA		2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	121.30	45.54
23 21 13 23-2507			6" Nipples (23 21 13 23-2421)		
23 21 13 23-2508	EA		1/4" Diameter Chrome Plated Nipple, 6" Length.....	29.78	13.91
23 21 13 23-2509	EA		3/8" Diameter Chrome Plated Nipple, 6" Length.....	29.11	14.78
23 21 13 23-2510	EA		1/2" Diameter Chrome Plated Nipple, 6" Length.....	34.73	16.37
23 21 13 23-2511	EA		3/4" Diameter Chrome Plated Nipple, 6" Length.....	43.78	19.70
23 21 13 23-2512	EA		1" Diameter Chrome Plated Nipple, 6" Length.....	62.52	24.62
23 21 13 23-2513	EA		1-1/4" Diameter Chrome Plated Nipple, 6" Length.....	86.69	32.87
23 21 13 23-2514	EA		1-1/2" Diameter Chrome Plated Nipple, 6" Length.....	103.67	37.79
23 21 13 23-2515	EA		2" Diameter Chrome Plated Nipple, 6" Length.....	125.21	46.04
23 21 13 23-2516			8" Nipples (23 21 13 23-2421)		
23 21 13 23-2517	EA		3/8" Diameter Chrome Plated Nipple, 8" Length.....	33.27	15.63
23 21 13 23-2518	EA		1/2" Diameter Chrome Plated Nipple, 8" Length.....	45.00	17.24
23 21 13 23-2519	EA		3/4" Diameter Chrome Plated Nipple, 8" Length.....	54.41	20.56
23 21 13 23-2520	EA		1" Diameter Chrome Plated Nipple, 8" Length.....	71.01	25.48
23 21 13 23-2521	EA		1-1/4" Diameter Chrome Plated Nipple, 8" Length.....	99.83	33.61
23 21 13 23-2522	EA		1-1/2" Diameter Chrome Plated Nipple, 8" Length.....	120.65	38.53
23 21 13 23-2523	EA		2" Diameter Chrome Plated Nipple, 8" Length.....	148.12	46.78
23 21 13 23-2524			10" Nipples (23 21 13 23-2421)		
23 21 13 23-2525	EA		3/8" Diameter Chrome Plated Nipple, 10" Length.....	36.67	15.63
23 21 13 23-2526	EA		1/2" Diameter Chrome Plated Nipple, 10" Length.....	49.28	17.24
23 21 13 23-2527	EA		3/4" Diameter Chrome Plated Nipple, 10" Length.....	59.37	20.56
23 21 13 23-2528	EA		1" Diameter Chrome Plated Nipple, 10" Length.....	78.51	25.48
23 21 13 23-2529	EA		1-1/4" Diameter Chrome Plated Nipple, 10" Length.....	115.89	33.61
23 21 13 23-2530	EA		1-1/2" Diameter Chrome Plated Nipple, 10" Length.....	132.89	38.53
23 21 13 23-2531	EA		2" Diameter Chrome Plated Nipple, 10" Length.....	167.67	46.78
23 21 13 23-2532			12" Nipples (23 21 13 23-2421)		
23 21 13 23-2533	EA		3/8" Diameter Chrome Plated Nipple, 12" Length.....	40.79	17.24
23 21 13 23-2534	EA		1/2" Diameter Chrome Plated Nipple, 12" Length.....	51.60	18.10
23 21 13 23-2535	EA		3/4" Diameter Chrome Plated Nipple, 12" Length.....	64.63	21.29
23 21 13 23-2536	EA		1" Diameter Chrome Plated Nipple, 12" Length.....	90.16	27.08
23 21 13 23-2537	EA		1-1/4" Diameter Chrome Plated Nipple, 12" Length.....	128.25	35.33
23 21 13 23-2538	EA		2" Diameter Chrome Plated Nipple, 12" Length.....	185.85	48.51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2539			18" Nipples (23 21 13 23-2421)		
23 21 13 23-2540	EA		3/8" Diameter Chrome Plated Nipple, 18" Length.....	49.22	18.10
23 21 13 23-2541			24" Nipples (23 21 13 23-2421)		
23 21 13 23-2542	EA		3/8" Diameter Chrome Plated Nipple, 24" Length.....	57.31	18.83
23 21 13 23-2543			30" Nipples (23 21 13 23-2421)		
23 21 13 23-2544	EA		3/8" Diameter Chrome Plated Nipple, 30" Length.....	62.68	19.70
23 21 13 23-2545			36" Nipples (23 21 13 23-2421)		
23 21 13 23-2546	EA		3/8" Diameter Chrome Plated Nipple, 36" Length.....	68.06	20.56
23 21 13 23-2547			Chrome Plated Fittings (23 21 13 23-2420)		
23 21 13 23-2548			Chrome Plated 90 Degree Elbows (23 21 13 23-2547)		
23 21 13 23-2549	EA		1/4" 90 Degree Elbow, Chrome Plated.....	22.95	11.45
23 21 13 23-2550	EA		3/8" 90 Degree Elbow, Chrome Plated.....	23.81	12.31
23 21 13 23-2551	EA		1/2" 90 Degree Elbow, Chrome Plated.....	26.31	13.17
23 21 13 23-2552	EA		3/4" 90 Degree Elbow, Chrome Plated.....	33.90	17.24
23 21 13 23-2553	EA		1" 90 Degree Elbow, Chrome Plated.....	45.18	22.16
23 21 13 23-2554	EA		1-1/4" 90 Degree Elbow, Chrome Plated.....	66.94	30.41
23 21 13 23-2555	EA		1-1/2" 90 Degree Elbow, Chrome Plated.....	79.62	35.33
23 21 13 23-2556	EA		2" 90 Degree Elbow, Chrome Plated.....	105.70	43.57
23 21 13 23-2557			Chrome Plated Street 90 Degree Elbows (23 21 13 23-2547)		
23 21 13 23-2558	EA		1/4" Street 90 Degree Elbow, Chrome Plated.....	25.35	11.45
23 21 13 23-2559	EA		3/8" Street 90 Degree Elbow, Chrome Plated.....	26.43	12.31
23 21 13 23-2560	EA		1/2" Street 90 Degree Elbow, Chrome Plated.....	28.13	13.17
23 21 13 23-2561	EA		3/4" Street 90 Degree Elbow, Chrome Plated.....	36.58	17.24
23 21 13 23-2562	EA		1" Street 90 Degree Elbow, Chrome Plated.....	50.15	22.16
23 21 13 23-2563	EA		1-1/4" Street 90 Degree Elbow, Chrome Plated.....	72.04	30.41
23 21 13 23-2564	EA		1-1/2" Street 90 Degree Elbow, Chrome Plated.....	86.76	35.33
23 21 13 23-2565	EA		2" Street 90 Degree Elbow, Chrome Plated.....	122.49	43.57
23 21 13 23-2566			Chrome Plated 45 Degree Elbows (23 21 13 23-2547)		
23 21 13 23-2567	EA		1/4" 45 Degree Elbow, Chrome Plated.....	23.48	11.45
23 21 13 23-2568	EA		3/8" 45 Degree Elbow, Chrome Plated.....	24.57	12.31
23 21 13 23-2569	EA		1/2" 45 Degree Elbow, Chrome Plated.....	26.85	13.17
23 21 13 23-2570	EA		3/4" 45 Degree Elbow, Chrome Plated.....	35.95	17.24
23 21 13 23-2571	EA		1" 45 Degree Elbow, Chrome Plated.....	47.48	22.16
23 21 13 23-2572	EA		1-1/4" 45 Degree Elbow, Chrome Plated.....	69.71	30.41
23 21 13 23-2573	EA		1-1/2" 45 Degree Elbow, Chrome Plated.....	83.32	35.33
23 21 13 23-2574	EA		2" 45 Degree Elbow, Chrome Plated.....	115.86	43.57
23 21 13 23-2575			Chrome Plated Street 45 Degree Elbows (23 21 13 23-2547)		
23 21 13 23-2576	EA		1/2" Street 45 Degree Elbow, Chrome Plated.....	30.14	13.17
23 21 13 23-2577			Chrome Plated Couplings (23 21 13 23-2547)		
23 21 13 23-2578	EA		1/4" Coupling, Chrome Plated.....	22.63	11.45
23 21 13 23-2579	EA		3/8" Coupling, Chrome Plated.....	23.85	12.31
23 21 13 23-2580	EA		1/2" Coupling, Chrome Plated.....	26.44	13.17
23 21 13 23-2581	EA		3/4" Coupling, Chrome Plated.....	33.95	17.24
23 21 13 23-2582	EA		1" Coupling, Chrome Plated.....	44.04	22.16
23 21 13 23-2583	EA		1-1/4" Coupling, Chrome Plated.....	62.81	30.41
23 21 13 23-2584	EA		1-1/2" Coupling, Chrome Plated.....	76.16	35.33
23 21 13 23-2585	EA		2" Coupling, Chrome Plated.....	101.47	43.57
23 21 13 23-2586			Chrome Plated Unions (23 21 13 23-2547)		
23 21 13 23-2587	EA		1/4" Union, Chrome Plated.....	32.71	13.17
23 21 13 23-2588	EA		3/8" Union, Chrome Plated.....	33.95	13.91
23 21 13 23-2589	EA		1/2" Union, Chrome Plated.....	40.17	15.63
23 21 13 23-2590	EA		3/4" Union, Chrome Plated.....	50.63	20.56
23 21 13 23-2591	EA		1" Union, Chrome Plated.....	64.23	26.22
23 21 13 23-2592	EA		1-1/4" Union, Chrome Plated.....	99.20	35.33
23 21 13 23-2593	EA		1-1/2" Union, Chrome Plated.....	122.09	41.86
23 21 13 23-2594	EA		2" Union, Chrome Plated.....	156.77	50.97
23 21 13 23-2595			Chrome Plated Caps (23 21 13 23-2547)		
23 21 13 23-2596	EA		1/4" Cap, Chrome Plated.....	13.87	5.79
23 21 13 23-2597	EA		3/8" Cap, Chrome Plated.....	14.48	6.16
23 21 13 23-2598	EA		1/2" Cap, Chrome Plated.....	16.22	6.53

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 21	13 23-2599	EA 3/4" Cap, Chrome Plated.....	20.53	8.62
23 21	13 23-2600	EA 1" Cap, Chrome Plated.....	24.96	11.08
23 21	13 23-2601	EA 1-1/4" Cap, Chrome Plated.....	36.06	15.14
23 21	13 23-2602	EA 1-1/2" Cap, Chrome Plated.....	45.91	17.61
23 21	13 23-2603	EA 2" Cap, Chrome Plated.....	65.24	23.02
23 21	13 23-2604	Chrome Plated Plugs (23 21 13 23-2547)		
23 21	13 23-2605	EA 1/4" Plug, Chrome Plated.....	12.04	5.79
23 21	13 23-2606	EA 3/8" Plug, Chrome Plated.....	12.65	6.16
23 21	13 23-2607	EA 1/2" Plug, Chrome Plated.....	14.29	6.53
23 21	13 23-2608	EA 3/4" Plug, Chrome Plated.....	19.16	8.62
23 21	13 23-2609	EA 1" Plug, Chrome Plated.....	23.92	11.08
23 21	13 23-2610	EA 1-1/4" Plug, Chrome Plated.....	32.46	15.14
23 21	13 23-2611	EA 1-1/2" Plug, Chrome Plated.....	39.32	17.61
23 21	13 23-2612	EA 2" Plug, Chrome Plated.....	53.76	23.02
23 21	13 23-2613	Chrome Plated Tees (23 21 13 23-2547)		
23 21	13 23-2614	EA 1/4" Tee, Chrome Plated.....	32.74	17.24
23 21	13 23-2615	EA 3/8" Tee, Chrome Plated.....	35.21	18.83
23 21	13 23-2616	EA 1/2" Tee, Chrome Plated.....	38.89	20.56
23 21	13 23-2617	EA 3/4" Tee, Chrome Plated.....	48.35	25.48
23 21	13 23-2618	EA 1" Tee, Chrome Plated.....	66.49	32.87
23 21	13 23-2619	EA 1-1/4" Tee, Chrome Plated.....	91.58	45.18
23 21	13 23-2620	EA 1-1/2" Tee, Chrome Plated.....	113.67	52.56
23 21	13 23-2621	EA 2" Tee, Chrome Plated.....	151.04	64.88
23 21	13 23-2622	Chrome Plated Reducing 90 Degree Elbows (23 21 13 23-2547)		
23 21	13 23-2623	EA 1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated.....	37.67	20.56
23 21	13 23-2624	EA 3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated.....	45.05	25.48
23 21	13 23-2625	Chrome Plated Bell Reducers (23 21 13 23-2547)		
23 21	13 23-2626	EA 1/2" x 3/8" Bell Reducer, Chrome Plated.....	39.88	20.56
23 21	13 23-2627	EA 3/4" x 1/2" Bell Reducer, Chrome Plated.....	48.84	25.48
23 21	13 23-2628	EA 1" x 1/2" Bell Reducer, Chrome Plated.....	62.41	32.87
23 21	13 23-2629	Chrome Plated Reducing Tees (23 21 13 23-2547)		
23 21	13 23-2630	EA 3/4" x 1/2" Reducing Tee, Chrome Plated.....	51.66	25.48
23 21	13 23-2631	Chrome Plated Bushings (23 21 13 23-2547)		
23 21	13 23-2632	EA 3/8" x 1/4" Bushing, Chrome Plated.....	11.99	5.79
23 21	13 23-2633	EA 1/2" x 1/4" Bushing, Chrome Plated.....	12.89	6.16
23 21	13 23-2634	EA 1/2" x 3/8" Bushing, Chrome Plated.....	13.50	6.53
23 21	13 23-2635	EA 3/4" x 1/2" Bushing, Chrome Plated.....	17.35	8.62
23 21	13 23-2636	EA 1" x 3/4" Bushing, Chrome Plated.....	24.27	11.08
23 21	13 23-2637	EA 1-1/4" x 1" Bushing, Chrome Plated.....	34.83	15.14
23 21 16	Hydronic Piping Specialties (23 21)			
23 21 16 00-0001	Vent Valves (23 21 16)			
23 21	16 00-0002	EA 1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A).....	65.00	19.60
23 21	16 00-0003	EA 1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74).....	131.33	21.07
23 21	16 00-0004	EA 1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75).....	126.15	21.07
23 21	16 00-0005	EA 1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H).....	129.77	21.07
23 21	16 00-0006	EA 3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78).....	161.46	21.07
23 21	16 00-0007	EA 1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79).....	124.73	21.07
23 21 16 00-0008	Threaded Inlet, Drip-Pan Elbow (23 21 16)			
23 21 16 00-0009	Cast Iron, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)			
23 21	16 00-0010	EA 2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	210.20	32.74
		<i>For Flanged Inlet, Add</i>	54.75	
23 21	16 00-0011	EA 3" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	242.89	38.80
		<i>For Flanged Inlet, Add</i>	58.77	
23 21	16 00-0012	EA 3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	297.59	44.87
		<i>For Flanged Inlet, Add</i>	79.29	
23 21	16 00-0013	EA 4" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	410.69	50.93
		<i>For Flanged Inlet, Add</i>	139.51	
23 21	16 00-0014	EA 5" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	469.31	60.63
		<i>For Flanged Inlet, Add</i>	154.22	
23 21	16 00-0015	EA 6" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	634.57	76.40
		<i>For Flanged Inlet, Add</i>	225.37	
23 21	16 00-0016	EA 8" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	1,286.11	100.64
		<i>For Flanged Inlet, Add</i>	599.70	
23 21 16 00-0017	Cast Steel, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0018 EA 2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	416.68	32.74
For Flanged Inlet, Add	195.15	
23 21 16 00-0019 EA 3" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	504.22	38.80
For Flanged Inlet, Add	236.48	
23 21 16 00-0020 EA 3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	699.26	44.87
For Flanged Inlet, Add	352.42	
23 21 16 00-0021 EA 4" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	723.80	50.93
For Flanged Inlet, Add	352.42	
23 21 16 00-0022 EA 5" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	1,015.79	60.63
For Flanged Inlet, Add	525.82	
23 21 16 00-0023 EA 6" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	1,076.42	76.40
For Flanged Inlet, Add	525.82	
23 21 16 00-0024 EA 8" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	1,732.10	100.64
For Flanged Inlet, Add	902.97	
23 21 16 00-0025 Y-Type Strainers (23 21 16)		
23 21 16 00-0026 Screwed Ends, 250 LB, Iron Body, Y-Type Strainers (23 21 16 00-0025)		
23 21 16 00-0027 EA 1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	60.24	14.63
For Galvanized Body, Add	9.21	
For Work In Restricted Working Space, Add	12.55	
23 21 16 00-0028 EA 1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	60.89	14.90
For Galvanized Body, Add	9.21	
For Work In Restricted Working Space, Add	12.74	
23 21 16 00-0029 EA 3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	79.49	20.12
For Galvanized Body, Add	11.00	
For Work In Restricted Working Space, Add	17.25	
23 21 16 00-0030 EA 1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	98.31	24.05
For Galvanized Body, Add	14.86	
For Work In Restricted Working Space, Add	20.58	
23 21 16 00-0031 EA 1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	125.65	29.73
For Galvanized Body, Add	20.36	
For Work In Restricted Working Space, Add	25.48	
23 21 16 00-0032 EA 1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	140.49	32.01
For Galvanized Body, Add	24.51	
For Work In Restricted Working Space, Add	27.44	
23 21 16 00-0033 EA 2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	180.00	36.59
For Galvanized Body, Add	37.74	
For Work In Restricted Working Space, Add	31.36	
23 21 16 00-0034 EA 2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	300.33	45.73
For Galvanized Body, Add	84.83	
For Work In Restricted Working Space, Add	39.20	
23 21 16 00-0035 EA 3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	384.99	57.23
For Galvanized Body, Add	110.83	
For Work In Restricted Working Space, Add	49.00	
23 21 16 00-0036 Flanged, 125 LB, Iron Body, Y-Type Strainers (23 21 16 00-0025)		
23 21 16 00-0037 EA 1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	265.59	137.21
For Galvanized Body, Add	46.83	
For Work In Restricted Working Space, Add	51.58	
23 21 16 00-0038 EA 2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	319.15	174.18
For Galvanized Body, Add	50.68	
For Work In Restricted Working Space, Add	65.34	
23 21 16 00-0039 EA 3" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	519.66	222.15
For Galvanized Body, Add	120.82	
For Work In Restricted Working Space, Add	83.41	
23 21 16 00-0040 EA 4" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	740.88	372.41
For Galvanized Body, Add	137.10	
For Work In Restricted Working Space, Add	140.00	
23 21 16 00-0041 EA 5" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	772.72	373.34
For Galvanized Body, Add	153.39	
For Work In Restricted Working Space, Add	139.79	
23 21 16 00-0042 EA 6" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	901.37	414.82
For Galvanized Body, Add	190.50	
For Work In Restricted Working Space, Add	156.11	
23 21 16 00-0043 EA 8" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	1,408.80	530.04
For Galvanized Body, Add	375.18	
For Work In Restricted Working Space, Add	197.53	
23 21 16 00-0044 EA 10" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	2,479.01	645.27
For Galvanized Body, Add	836.22	
For Work In Restricted Working Space, Add	241.97	
23 21 16 00-0045 EA 12" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	2,891.22	576.13
For Galvanized Body, Add	869.48	
For Work In Restricted Working Space, Add	345.68	
23 21 16 00-0046 Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025)		
Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047 EA 1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	58.21	14.90
For 300 LB Rating, Add	26.76	
For Work In Restricted Working Space, Add	12.74	
23 21 16 00-0048 EA 3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	77.97	20.12
For 300 LB Rating, Add	34.80	
For Work In Restricted Working Space, Add	17.25	
23 21 16 00-0049 EA 1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	94.38	24.05
For 300 LB Rating, Add	43.83	
For Work In Restricted Working Space, Add	20.58	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	16 00-0050	EA	1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.22 54.88 25.48	29.73
23 21	16 00-0051	EA	1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.39 71.26 27.44	32.01
23 21	16 00-0052	EA	2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	172.62 115.75 31.36	36.59
23 21	16 00-0053	EA	2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	243.04 191.03 39.20	45.73
23 21	16 00-0054	EA	3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	396.33 396.08 49.00	57.23
23 21	16 00-0055	EA	4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	638.19 751.71 58.80	68.60
23 21	16 00-0056		Flanged, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025) Note: With bolted cap.		
23 21	16 00-0057	EA	2" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	413.37 117.35 65.34	174.18
23 21	16 00-0058	EA	2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	436.86 119.56 71.28	189.47
23 21	16 00-0059	EA	3" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	506.21 136.91 83.41	222.15
23 21	16 00-0060	EA	4" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,021.11 332.66 140.00	372.41
23 21	16 00-0061	EA	6" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,360.81 504.26 156.11	414.82
23 21	16 00-0062	EA	8" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,092.70 860.56 197.53	530.04
23 21	16 00-0063	EA	10" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,954.33 3,088.65 241.97	645.27
23 21	16 00-0064		Class 125, Crimped Bronze Body, Y-Type Strainers (23 21 16 00-0025) Note: Nibco®		
23 21	16 00-0065	EA	1/2" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	116.60 8.31	12.31
23 21	16 00-0066	EA	3/4" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	134.87 9.46	13.54
23 21	16 00-0067	EA	1" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	189.38 11.31	15.39
23 21	16 00-0068	EA	1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	250.64 12.47	16.37
23 21	16 00-0069	EA	1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	300.36 13.85	18.95
23 21	16 00-0070	EA	2" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	440.08 16.62	22.40
23 21	16 00-0071		250 PSI, Crimped Bronze Body, Y-Type Strainers (23 21 16 00-0025)		
23 21	16 00-0072	EA	1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	83.68	12.31
23 21	16 00-0073	EA	3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	102.13	13.54
23 21	16 00-0074	EA	1" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	149.68	15.39
23 21	16 00-0075	EA	1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	182.94	16.37
23 21	16 00-0076	EA	1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	218.30	18.95
23 21	16 00-0077	EA	2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	286.67	22.40
23 21	16 00-0078		Cast Iron Body, Suction Diffusers (23 21 16) Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21	16 00-0079	EA	2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	393.80 25.21	51.49
23 21	16 00-0080	EA	2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	415.50 28.00	57.10
23 21	16 00-0081	EA	2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	423.32 29.42	59.98
23 21	16 00-0082	EA	2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	819.98 71.28	189.47
23 21	16 00-0083	EA	3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	442.24 34.16	69.78
23 21	16 00-0084	EA	3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	494.90 34.16	69.78
23 21	16 00-0085	EA	3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	861.88 77.34	206.25
23 21	16 00-0086	EA	3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	885.20 83.41	222.15

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

23 21 16 00-0087	EA			4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,087.94 111.71	297.88
23 21 16 00-0088	EA			4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,290.69 140.00	372.41
23 21 16 00-0089	EA			6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,451.05 139.79	372.77
23 21 16 00-0090	EA			6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,737.82 156.11	414.82
23 21 16 00-0091	EA			8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,990.49 197.53	530.04
23 21 16 00-0092	EA			8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	2,947.71 197.53	530.04
23 21 16 00-0093	EA			10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	3,387.05 241.97	645.27
23 21 16 00-0094	EA			10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	3,910.58 241.97	645.27
23 21 16 00-0095 Duplex Strainers (23 21 16)						
23 21 16 00-0096 Iron Body, Duplex Strainers (23 21 16 00-0095)						
23 21 16 00-0097 Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0096)						
Note: With brass or stainless steel basket.						
23 21 16 00-0098	EA			3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	466.59 19.54	32.53
23 21 16 00-0099	EA			1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	522.01 22.36	37.25
23 21 16 00-0100	EA			1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	700.16 26.25	43.77
23 21 16 00-0101	EA			1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	873.24 28.62	47.69
23 21 16 00-0102	EA			2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,164.26 35.00	58.15
23 21 16 00-0103	EA			2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,466.25 44.68	74.48
23 21 16 00-0104 Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0096)						
Note: With brass or stainless steel basket.						
23 21 16 00-0105	EA			2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,618.76 65.34	174.18
23 21 16 00-0106	EA			2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,680.38 71.28	189.47
23 21 16 00-0107	EA			3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,139.02 83.41	222.15
23 21 16 00-0108	EA			4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,338.92 123.46	328.40
23 21 16 00-0109	EA			6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,375.18 156.11	414.82
23 21 16 00-0110	EA			8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	11,949.84 197.53	530.04
23 21 16 00-0111	EA			10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	16,447.26 241.97	645.27
23 21 16 00-0112	EA			12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	19,024.62 488.25	813.50
23 21 16 00-0113	EA			14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	22,229.55 345.68	921.82
23 21 16 00-0114	EA			16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	27,697.74 380.25	1,013.99
23 21 16 00-0115 Bronze Body, Duplex Strainers (23 21 16 00-0096)						
23 21 16 00-0116 Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers (23 21 16 00-0115)						
Note: With brass or stainless steel basket.						
23 21 16 00-0117	EA			3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	838.79 19.54	32.67
23 21 16 00-0118	EA			1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	931.85 22.36	37.25
23 21 16 00-0119	EA			1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,352.56 26.25	43.77
23 21 16 00-0120	EA			1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,768.19 28.62	47.69
23 21 16 00-0121	EA			2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,280.85 35.00	58.15
23 21 16 00-0122	EA			2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,804.49 44.68	74.48
23 21 16 00-0123 Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers (23 21 16 00-0115)						
Note: With brass or stainless steel basket.						
23 21 16 00-0124	EA			2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,228.83 65.34	174.18
23 21 16 00-0125	EA			2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,332.27 71.28	189.47
23 21 16 00-0126	EA			3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,543.67 83.41	222.15

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 21 16 00-0127	EA	4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	7,144.54 123.46		328.40
23 21 16 00-0128	EA	6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	15,324.66 156.11		414.82
23 21 16 00-0129		Cast Steel Body, Duplex Strainers (23 21 16 00-0095)			
23 21 16 00-0130		Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0129) Note: With brass or stainless steel basket.			
23 21 16 00-0131	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,292.25 22.37		37.25
23 21 16 00-0132	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,589.32 26.25		43.77
23 21 16 00-0133	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,881.37 28.62		47.69
23 21 16 00-0134	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,160.92 35.00		58.15
23 21 16 00-0135		Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0129) Note: With brass or stainless steel basket.			
23 21 16 00-0136	EA	2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,282.33 65.34		174.18
23 21 16 00-0137	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,606.56 71.28		189.47
23 21 16 00-0138	EA	3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,722.63 83.41		222.15
23 21 16 00-0139	EA	4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,926.22 123.46		328.40
23 21 16 00-0140	EA	6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	11,723.22 156.11		414.82
23 21 16 00-0141	EA	8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	22,658.22 197.53		530.04
23 21 16 00-0142		Stainless Steel Body, Duplex Strainers (23 21 16 00-0095)			
23 21 16 00-0143		Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers (23 21 16 00-0142) Note: With stainless steel basket.			
23 21 16 00-0144	EA	1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,456.04 22.37		37.25
23 21 16 00-0145	EA	1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,629.27 26.25		43.77
23 21 16 00-0146	EA	1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,789.36 28.62		47.69
23 21 16 00-0147	EA	2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	10,867.55 35.00		58.15
23 21 16 00-0148		Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers (23 21 16 00-0142) Note: With stainless steel basket.			
23 21 16 00-0149	EA	2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	11,414.94 65.34		174.18
23 21 16 00-0150	EA	2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	12,002.71 71.28		189.47
23 21 16 00-0151	EA	3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	18,777.67 83.41		222.15
23 21 16 00-0152	EA	4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	22,968.09 123.46		328.40
23 21 16 00-0153	EA	6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	40,278.37 156.11		414.82
23 21 16 00-0154	EA	8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	74,332.42 197.53		530.04
23 21 16 00-0155		Pressure Regulating Valve (23 21 16)			
23 21 16 00-0156		Screwed Ends, Water Pressure Reducing Valves (23 21 16 00-0155) Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating, iron construction.			
23 21 16 00-0157	EA	1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	133.45 18.47		15.39
23 21 16 00-0158	EA	3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	160.03 20.52		17.24
23 21 16 00-0159	EA	1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	200.18 21.72		18.46
23 21 16 00-0160	EA	1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	318.25 24.62		20.68
23 21 16 00-0161	EA	1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	424.28 29.54		24.62
23 21 16 00-0162	EA	2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	613.87 45.32		37.73
23 21 16 00-0163	EA	2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	671.12 50.99		42.48

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0164 EA 3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	738.66 56.65	122.93
23 21 16 00-0165 Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0155) Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0166 Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0165)		
23 21 16 00-0167 EA 1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	217.20 26.31	21.96
23 21 16 00-0168 EA 3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	281.11 37.34	31.10
23 21 16 00-0169 EA 1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	356.33 45.59	37.90
23 21 16 00-0170 EA 1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	460.10 52.97	45.99
23 21 16 00-0171 EA 1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	595.18 60.31	52.27
23 21 16 00-0172 EA 2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	700.18 72.76	72.76
23 21 16 00-0173 Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0165) Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0174 EA 2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	1,403.53 66.14	175.82
23 21 16 00-0175 EA 3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	1,735.15 77.40	206.15
23 21 16 00-0176 EA 4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	2,294.81 129.92	345.59
23 21 16 00-0177 EA 6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	5,346.67 149.36	396.87
23 21 16 00-0178 Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0155)		
23 21 16 00-0179 Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0178)		
23 21 16 00-0180 EA 1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	967.50 23.91	15.94
23 21 16 00-0181 EA 3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	986.76 23.91	15.94
23 21 16 00-0182 EA 1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,061.15 30.19	20.12
23 21 16 00-0183 EA 1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,253.31 38.42	25.61
23 21 16 00-0184 EA 1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,435.50 44.30	29.53
23 21 16 00-0185 EA 2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,773.97 52.14	34.75
23 21 16 00-0186 Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0178)		
23 21 16 00-0187 EA 2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,195.01 66.14	175.82
23 21 16 00-0188 EA 3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,698.90 77.40	206.15
23 21 16 00-0189 EA 4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	4,114.74 129.92	345.59
23 21 16 00-0190 EA 6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	8,757.58 149.36	396.87
23 21 16 00-0191 Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves (23 21 16 00-0155)		
23 21 16 00-0192 EA 1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve 23 21 16 00-0193 EA 3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	145.28 175.10	16.00 17.73
23 21 16 00-0194 EA 1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	221.19	18.83
23 21 16 00-0195 EA 1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	357.08	21.42
23 21 16 00-0196 EA 1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	477.82	25.60
23 21 16 00-0197 EA 2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	689.97	39.20
23 21 16 00-0198 EA 2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	747.85	42.71
23 21 16 00-0199 EA 3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	829.07	49.17
23 21 16 00-0200 Screwed Ends, Bronze Body, Water Pressure Reducing Valves (23 21 16 00-0155) Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0201 EA 1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	131.22	15.39
23 21 16 00-0202 EA 3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	144.59	17.24
23 21 16 00-0203 EA 1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	173.13	19.08
23 21 16 00-0204 EA 1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	363.77	20.68
23 21 16 00-0205 EA 1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	399.23	24.62
23 21 16 00-0206 EA 2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	625.39	37.73

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 21 16 00-0207		Dual Unit Reducing And Relief Valve <small>(23 21 16)</small>			
23 21 16 00-0208	EA	1/2" Dual Unit Reducing And Relief Valve	155.66		39.86
23 21 16 00-0209		Safety Relief Valve <small>(23 21 16)</small>			
		Note: Used in water heater and hot water storage tank applications.			
23 21 16 00-0210		Threaded Inlet, Bronze Body Safety Valves <small>(23 21 16 00-0209)</small>			
		Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.			
23 21 16 00-0211	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	73.61		15.39
23 21 16 00-0212	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	93.09		16.93
23 21 16 00-0213	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve	126.73		20.62
23 21 16 00-0214	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	154.14		21.85
23 21 16 00-0215	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	210.53		29.24
23 21 16 00-0216	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve	272.81		34.46
23 21 16 00-0217	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	317.43		43.08
23 21 16 00-0218		Threaded, Bronze Body, Temperature And Pressure Relief Valves <small>(23 21 16)</small>			
23 21 16 00-0219	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	73.61		31.39
		<i>For Cast Iron Body, Add</i>	27.90		
23 21 16 00-0220	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	92.64		37.67
		<i>For Cast Iron Body, Add</i>	38.86		
23 21 16 00-0221	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	131.59		50.22
		<i>For Cast Iron Body, Add</i>	61.90		
23 21 16 00-0222	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	193.18		53.80
		<i>For Cast Iron Body, Add</i>	131.56		
23 21 16 00-0223	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	299.79		60.32
		<i>For Cast Iron Body, Add</i>	251.68		
23 21 16 00-0224	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	360.87		86.67
		<i>For Cast Iron Body, Add</i>	274.05		
23 21 16 00-0225		Thermostatic Radiator Valves <small>(23 21 16)</small>			
		Note: For hot water or two pipe low pressure steam.			
23 21 16 00-0226	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	64.14		21.07
23 21 16 00-0227	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	79.71		28.41
23 21 16 00-0228	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	104.50		34.39
23 21 16 00-0229	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	148.49		43.56
23 21 16 00-0230	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	64.14		21.07
23 21 16 00-0231	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	79.71		28.41
23 21 16 00-0232	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	104.50		34.39
23 21 16 00-0233	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	148.49		43.56
23 21 16 00-0234	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	72.74		16.33
23 21 16 00-0235	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	106.41		22.87
23 21 16 00-0236		Radiator Trap Repair Kits <small>(23 21 16)</small>			
		Note: For hot water or two pipe low pressure steam.			
23 21 16 00-0237	EA	1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	99.99		
23 21 16 00-0238	EA	3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	124.15		
23 21 16 00-0239	EA	1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)	122.43		
23 21 16 00-0240	EA	3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)	140.18		
23 21 16 00-0241	EA	1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)	308.59		
23 21 16 00-0242		Horizontal Steel Expansion Tanks <small>(23 21 16)</small>			
		Note: ASME Code Stamp, 150 PSI with glass gauge and cocks.			
23 21 16 00-0243	EA	10 Gallon Horizontal Steel Expansion Tank	543.90		130.67
23 21 16 00-0244	EA	15 Gallon Horizontal Steel Expansion Tank	750.52		163.34
23 21 16 00-0245	EA	30 Gallon Horizontal Steel Expansion Tank	967.76		196.01
23 21 16 00-0246	EA	40 Gallon Horizontal Steel Expansion Tank	1,116.65		228.68
23 21 16 00-0247	EA	60 Gallon Horizontal Steel Expansion Tank	1,254.70		230.45
23 21 16 00-0248		Vertical Diaphragm Type (Bladder) Steel Expansion Tanks <small>(23 21 16)</small>			
		Note: ASME. Precharged with working pressure 125 psi (Armstrong AX)			
23 21 16 00-0249	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,644.86		98.01
23 21 16 00-0250	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,703.21		114.34
23 21 16 00-0251	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,424.98		130.67
23 21 16 00-0252	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,592.49		147.00
23 21 16 00-0253	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,286.44		163.34
23 21 16 00-0254	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,460.35		179.68
23 21 16 00-0255	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,209.95		196.01
23 21 16 00-0256	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,550.80		212.34
23 21 16 00-0257	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,030.74		228.68
23 21 16 00-0258	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,166.71		261.34
23 21 16 00-0259	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	6,344.89		294.02
23 21 16 00-0260	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	7,356.15		326.68
23 21 16 00-0261	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	8,479.83		392.02
23 21 16 00-0262		Diaphragm Type (Residential Style) Steel Expansion Tanks <small>(23 21 16)</small>			
23 21 16 00-0263	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	67.92		11.33



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

23 21 16 00-0264	EA		4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	92.87	11.33
23 21 16 00-0265 Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks ^(23 21 16)					
23 21 16 00-0266	EA		15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,110.40	392.15
23 21 16 00-0267	EA		20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,143.58	392.15
23 21 16 00-0268	EA		30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,176.75	392.15
23 21 16 00-0269	EA		40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,263.00	392.15
23 21 16 00-0270	EA		47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,553.73	522.56
23 21 16 00-0271	EA		60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,752.63	522.82
23 21 16 00-0272	EA		80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,792.04	522.82
23 21 16 00-0273	EA		87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,831.45	522.82
23 21 16 00-0274	EA		120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,320.53	653.36
23 21 16 00-0275	EA		187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	5,661.67	653.36
23 21 16 00-0276	EA		264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	7,162.01	783.77
23 21 16 00-0277 ASME Construction Compression Tanks ^(23 21 16)					
Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.					
23 21 16 00-0278	EA		15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank.....	929.66	229.98
				<i>For Galvanized Steel Tanks, Add</i>	290.60
23 21 16 00-0279	EA		24 Gallon, 13" x 51" ASME Construction Compression Tank.....	949.11	236.52
				<i>For Galvanized Steel Tanks, Add</i>	294.88
23 21 16 00-0280	EA		30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank.....	1,029.24	244.36
				<i>For Galvanized Steel Tanks, Add</i>	329.07
23 21 16 00-0281	EA		40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank.....	1,120.52	253.51
				<i>For Galvanized Steel Tanks, Add</i>	367.52
23 21 16 00-0282	EA		60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank.....	1,293.97	267.88
				<i>For Galvanized Steel Tanks, Add</i>	444.45
23 21 16 00-0283	EA		80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank.....	1,344.60	278.34
				<i>For Galvanized Steel Tanks, Add</i>	461.54
23 21 16 00-0284	EA		100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank.....	1,646.55	303.16
				<i>For Galvanized Steel Tanks, Add</i>	594.03
23 21 16 00-0285	EA		120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank.....	1,792.24	325.38
				<i>For Galvanized Steel Tanks, Add</i>	649.57
23 21 16 00-0286	EA		144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank.....	2,213.43	367.19
				<i>For Galvanized Steel Tanks, Add</i>	828.69
23 21 16 00-0287	EA		180 Gallon, 30" x 60" ASME Construction Compression Tank.....	2,791.28	420.77
				<i>For Galvanized Steel Tanks, Add</i>	1,076.93
23 21 16 00-0288	EA		202 Gallon, 30" x 72" ASME Construction Compression Tank.....	3,327.08	466.50
				<i>For Galvanized Steel Tanks, Add</i>	1,310.37
23 21 16 00-0289	EA		230 Gallon, 30" x 84" ASME Construction Compression Tank.....	3,637.27	507.01
				<i>For Galvanized Steel Tanks, Add</i>	1,434.30
23 21 16 00-0290	EA		280 Gallon, 30" x 96" ASME Construction Compression Tank.....	4,557.80	556.66
				<i>For Galvanized Steel Tanks, Add</i>	1,857.38
23 21 16 00-0291	EA		306 Gallon, 30" x 108" ASME Construction Compression Tank.....	4,711.46	594.56
				<i>For Galvanized Steel Tanks, Add</i>	1,905.14
23 21 16 00-0292	EA		340 Gallon, 36" x 84" ASME Construction Compression Tank.....	6,015.47	638.99
				<i>For Galvanized Steel Tanks, Add</i>	2,523.77
23 21 16 00-0293	EA		550 Gallon, 36" x 96" ASME Construction Compression Tank.....	9,881.41	750.06
				<i>For Galvanized Steel Tanks, Add</i>	4,372.57
23 21 16 00-0294 Compression Tank Air Fittings ^(23 21 16)					
23 21 16 00-0295	EA		9" To 24" Diameter Compression Tank Air Fittings.....	151.26	36.59
23 21 16 00-0296	EA		>100 Gallon Compression Tank Air Fittings	431.68	43.12
23 21 16 00-0297 Vortex Air Separators With Strainer ^(23 21 16)					
Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.					
23 21 16 00-0298	EA		2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	1,166.69	278.34
				<i>For 300 PSIG, Add</i>	111.78
23 21 16 00-0299	EA		2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)	1,427.56	318.84
				<i>For 300 PSIG, Add</i>	141.54
23 21 16 00-0300	EA		3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	2,120.21	375.03
				<i>For 300 PSIG, Add</i>	232.81
23 21 16 00-0301	EA		3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	2,263.66	396.90
				<i>For 300 PSIG, Add</i>	249.35
23 21 16 00-0302	EA		4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	2,931.50	529.21
				<i>For 300 PSIG, Add</i>	319.45
23 21 16 00-0303	EA		5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	3,669.46	626.83
				<i>For 300 PSIG, Add</i>	408.08
23 21 16 00-0304	EA		6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	4,333.91	709.80
				<i>For 300 PSIG, Add</i>	488.77
23 21 16 00-0305	EA		8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	6,131.93	851.52
				<i>For 300 PSIG, Add</i>	726.21
23 21 16 00-0306	EA		10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	9,235.67	967.91
				<i>For 300 PSIG, Add</i>	1,165.37
23 21 16 00-0307	EA		12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	12,426.67	1,252.52
				<i>For 300 PSIG, Add</i>	1,579.32
23 21 16 00-0308 Vortex Air Separators ^(23 21 16)					
Note: Without system strainer.					
23 21 16 00-0309	EA		2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	1,021.18	278.34
				<i>For 300 PSIG, Add</i>	89.95

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	16 00-0310	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)..... <i>For 300 PSIG, Add</i>	1,268.82 117.73	318.84
23 21	16 00-0311	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)..... <i>For 300 PSIG, Add</i>	2,080.52 226.86	375.03
23 21	16 00-0312	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)..... <i>For 300 PSIG, Add</i>	1,915.33 197.10	396.90
23 21	16 00-0313	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)..... <i>For 300 PSIG, Add</i>	2,565.53 264.56	529.21
23 21	16 00-0314	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)..... <i>For 300 PSIG, Add</i>	3,285.85 350.54	626.83
23 21	16 00-0315	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)..... <i>For 300 PSIG, Add</i>	3,813.61 410.72	709.80
23 21	16 00-0316	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)..... <i>For 300 PSIG, Add</i>	9,862.18 1,285.75	851.52
23 21	16 00-0317	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)..... <i>For 300 PSIG, Add</i>	6,859.07 808.88	967.91
23 21	16 00-0318	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)..... <i>For 300 PSIG, Add</i>	10,429.82 1,279.79	1,252.52
23 21	16 00-0319		Grooved, With Strainer, Vortex Air Separators (23 21 16)		
23 21	16 00-0320	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G).....	1,967.02	317.52
23 21	16 00-0321	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G).....	2,770.74	423.09
23 21	16 00-0322	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G).....	3,479.64	501.01
23 21	16 00-0323	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G).....	4,118.74	567.84
23 21	16 00-0324	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G).....	5,865.00	681.40
23 21	16 00-0325	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G).....	9,286.28	774.32
23 21	16 00-0326	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G).....	14,033.88	1,002.13
23 21	16 00-0327		Grooved Vortex Air Separators (23 21 16)		
			Note: Without system strainer.		
23 21	16 00-0328	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G).....	1,605.46	317.52
23 21	16 00-0329	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G).....	2,404.77	423.09
23 21	16 00-0330	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G).....	3,096.03	501.01
23 21	16 00-0331	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G).....	3,598.44	567.84
23 21	16 00-0332	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G).....	4,762.68	681.40
23 21	16 00-0333	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G).....	6,874.40	774.32
23 21	16 00-0334	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G).....	11,252.44	1,002.13
23 21	16 00-0335		Swivel Joints (23 21 16)		
23 21	16 00-0336		Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) (23 21 16 00-0335)		
			Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21	16 00-0337	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	277.56	34.36
23 21	16 00-0338	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	399.45	50.31
23 21	16 00-0339	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	551.78	58.80
23 21	16 00-0340	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	831.87	100.62
23 21	16 00-0341	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,059.15	138.97
23 21	16 00-0342	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,390.51	372.42
23 21	16 00-0343	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	2,477.92	470.42
23 21	16 00-0344		Basket Strainers (23 21 16)		
23 21	16 00-0345		Bronze Body Basket Strainers (23 21 16 00-0344)		
23 21	16 00-0346		Screwed Ends, Bronze Body Basket Strainers (23 21 16 00-0345)		
23 21	16 00-0347	EA	1/2" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	179.82 15.56	26.14
23 21	16 00-0348	EA	3/4" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	212.32 18.28	30.71
23 21	16 00-0349	EA	1" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	247.40 21.78	36.59
23 21	16 00-0350	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	302.59 24.28	40.51
23 21	16 00-0351	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	354.85 27.41	45.73
23 21	16 00-0352	EA	2" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	510.30 31.40	52.27
23 21	16 00-0353	EA	2-1/2" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	717.29 42.05	69.91
23 21	16 00-0354	EA	3" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	980.89 44.60	74.48
23 21	16 00-0355		Flanged, Bronze Body Basket Strainers (23 21 16 00-0345)		
23 21	16 00-0356	EA	2" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	832.54 65.34	174.18
23 21	16 00-0357	EA	2-1/2" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,199.45 71.28	189.47
23 21	16 00-0358	EA	3" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,365.35 83.41	222.15
23 21	16 00-0359	EA	4" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,306.76 140.00	372.41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0360 EA 6" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	4,158.72 156.11	414.82
23 21 16 00-0361 EA 8" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	7,412.37 197.53	530.04
23 21 16 00-0362 Iron Body Basket Strainers (23 21 16 00-0344)		
23 21 16 00-0363 Screwed Ends, Iron Body Basket Strainers (23 21 16 00-0362)		
23 21 16 00-0364 EA 1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	189.49 15.56	26.14
23 21 16 00-0365 EA 3/4" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	214.99 18.28	30.71
23 21 16 00-0366 EA 1" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	254.43 21.78	36.59
23 21 16 00-0367 EA 1-1/4" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	324.65 24.28	40.51
23 21 16 00-0368 EA 1-1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	357.82 27.41	45.73
23 21 16 00-0369 EA 2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	422.87 31.40	52.27
23 21 16 00-0370 EA 2-1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	594.76 42.05	69.91
23 21 16 00-0371 EA 3" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	666.40 44.60	74.48
23 21 16 00-0372 Flanged, Iron Body Basket Strainers (23 21 16 00-0362)		
23 21 16 00-0373 EA 2" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	622.06 65.34	174.18
23 21 16 00-0374 EA 2-1/2" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	782.48 71.28	189.47
23 21 16 00-0375 EA 3" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	858.08 83.41	222.15
23 21 16 00-0376 EA 4" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,339.68 140.00	372.41
23 21 16 00-0377 EA 6" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,219.50 156.11	414.82
23 21 16 00-0378 EA 8" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,793.03 197.53	530.04
23 21 16 00-0379 EA 10" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,523.12 241.97	645.27
23 21 16 00-0380 EA 12" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	7,222.23 488.05	813.50
23 21 16 00-0381 EA 14" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	8,212.43 345.68	921.82
23 21 16 00-0382 EA 16" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	8,649.90 380.25	1,013.99
23 21 16 00-0383 Cast Steel Body Basket Strainers (23 21 16 00-0344)		
23 21 16 00-0384 Screwed Ends, Cast Steel Body Basket Strainers (23 21 16 00-0383)		
23 21 16 00-0385 EA 1" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	520.61 21.78	36.59
23 21 16 00-0386 EA 1-1/4" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	678.93 24.28	40.51
23 21 16 00-0387 EA 1-1/2" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	765.29 27.41	45.73
23 21 16 00-0388 EA 2" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,063.32 31.39	52.27
23 21 16 00-0389 EA 2-1/2" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,488.00 42.04	69.91
23 21 16 00-0390 EA 3" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,914.19 44.61	74.48
23 21 16 00-0391 Flanged, Cast Steel Body Basket Strainers (23 21 16 00-0383)		
23 21 16 00-0392 EA 2" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,613.11 65.34	174.18
23 21 16 00-0393 EA 2-1/2" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,278.36 71.28	189.47
23 21 16 00-0394 EA 3" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,508.64 83.41	222.15
23 21 16 00-0395 EA 4" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,599.02 140.00	372.41
23 21 16 00-0396 EA 6" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,168.09 156.11	414.82
23 21 16 00-0397 EA 8" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	9,913.09 197.53	530.04
23 21 16 00-0398 Stainless Steel Body Basket Strainers (23 21 16 00-0344)		
23 21 16 00-0399 Screwed Ends, Stainless Steel Body Basket Strainers (23 21 16 00-0398)		
23 21 16 00-0400 EA 1" Screwed Ends, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	349.55 21.78	36.59

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0401	EA		1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	490.90 24.28	40.51
23 21 16 00-0402	EA		1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	510.91 27.41	45.73
23 21 16 00-0403	EA		2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	739.44 31.39	52.27
23 21 16 00-0404	EA		2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,040.95 42.04	69.91
23 21 16 00-0405	EA		3" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,444.37 44.61	74.48
23 21 16 00-0406			Flanged, Stainless Steel Body Basket Strainers (23 21 16 00-0398)		
23 21 16 00-0407	EA		2" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,162.47 65.34	174.18
23 21 16 00-0408	EA		2-1/2" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,708.77 71.28	189.47
23 21 16 00-0409	EA		3" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,939.79 83.41	222.15
23 21 16 00-0410	EA		4" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	3,277.41 140.00	372.41
23 21 16 00-0411	EA		6" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	4,907.87 156.11	414.82
23 21 16 00-0412	EA		8" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	8,391.39 197.53	530.04
23 21 16 00-0413			Air Vents (23 21 16)		
23 21 16 00-0414			Screwed Ends, Cast Iron, Automatic Air Vents (23 21 16 00-0413) Note: With guided free floating lever.		
23 21 16 00-0415	EA		1/2" NPT, Cast Iron, Automatic Air Vent	225.82	37.90
23 21 16 00-0416	EA		3/4" NPT, Cast Iron, Automatic Air Vent	279.50	50.31
23 21 16 00-0417	EA		1" NPT, Cast Iron, Automatic Air Vent	578.32	52.27
23 21 16 00-0418	EA		1-1/4" NPT, Cast Iron, Automatic Air Vent	860.47	80.76
23 21 16 00-0419	EA		1-1/2" NPT, Cast Iron, Automatic Air Vent	1,389.79	86.90
23 21 16 00-0420	EA		2" NPT, Cast Iron, Automatic Air Vent	1,609.79	114.60
23 21 16 00-0421			Forged Steel, Stainless Steel Internals, Automatic Air Vents (23 21 16 00-0413) Note: With guided free floating lever.		
23 21 16 00-0422	EA		1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,309.97	43.77
23 21 16 00-0423	EA		3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,637.87	50.31
23 21 16 00-0424	EA		1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,947.59	52.27
23 21 16 00-0425	EA		1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,190.99	81.02
23 21 16 00-0426	EA		1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,679.99	86.90
23 21 16 00-0427	EA		2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	5,398.53	114.34
23 21 16 00-0428			Manual Air Vent (23 21 16 00-0413)		
23 21 16 00-0429	EA		Manual Air Vent	88.46	47.17
23 21 23			Hydronic Pumps (23 21)		
23 21 23 13			In-Line Centrifugal Hydronic Pumps (23 21 23)		
23 21 23 13-0001			Cast Iron Single Stage In-Line Centrifugal Pump (23 21 23 13) Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002	EA		50 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 3 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	3,386.94 187.29 421.40	348.79
23 21 23 13-0003	EA		75 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 5 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	3,775.73 200.78 451.75	422.16
23 21 23 13-0004	EA		100 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 7-1/2 HP	4,389.25	501.54
23 21 23 13-0005	EA		125 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 10 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	4,968.20 237.09 533.46	668.72
23 21 23 13-0006	EA		150 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 200' Head And 15 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	5,795.97 288.73 649.65	728.86
23 21 23 13-0007	EA		200 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 30 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	8,125.23 457.58 1,029.56	802.22
23 21 23 13-0008	EA		250 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 40 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	9,660.35 532.28 1,197.63	1,001.88
23 21 23 13-0009	EA		300 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 50 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	8,689.22 420.23 945.51	1,145.00
23 21 23 13-0010	EA		400 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 75 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	16,003.89 993.52 2,235.43	1,194.90

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

23 21 23 13-0011	EA			600 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 100 HP.....	17,907.55	1,535.97
				<i>For Mechanical Seal, Add</i>	1,063.88	
				<i>For Cast Steel Case, Add</i>	2,393.72	
23 21 23 13-0012	EA			Centrifugal, Cast Iron Circulating Pump 1/2 HP.....	1,119.83	242.95
23 21 23 13-0013	EA			Centrifugal, Cast Iron Circulating Pump 3/4 HP.....	1,203.35	258.59

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps (23 21 23)
 See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)
 Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002	EA			5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T).....	3,970.05	381.26
23 21 23 16-0003	EA			7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T).....	4,411.09	381.74
23 21 23 16-0004	EA			10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T).....	5,773.39	501.54
23 21 23 16-0005	EA			15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T).....	6,430.57	617.00
23 21 23 16-0006	EA			15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T).....	7,084.89	617.00
23 21 23 16-0007	EA			20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T).....	6,996.47	668.72
23 21 23 16-0008	EA			20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T).....	7,368.48	668.72
23 21 23 16-0009	EA			25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T).....	8,037.42	701.20
23 21 23 16-0010	EA			30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T).....	9,082.09	891.22
23 21 23 16-0011	EA			40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T).....	9,702.92	1,001.88
23 21 23 16-0012	EA			60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T).....	16,232.70	2,309.09
23 21 23 16-0013	EA			75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T).....	22,595.55	2,770.41
23 21 23 16-0014	EA			100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS).....	26,148.05	3,463.01

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)
 Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016	EA			40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 1-1/2 HP.....	1,692.06	280.23
				<i>For 300 LB Flanges, Add</i>	296.68	
23 21 23 16-0017	EA			50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 2 HP.....	1,878.37	300.68
				<i>For 300 LB Flanges, Add</i>	356.84	
23 21 23 16-0018	EA			90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 3 HP.....	2,310.17	321.13
				<i>For 300 LB Flanges, Add</i>	443.91	
23 21 23 16-0019	EA			100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 5 HP.....	2,786.33	381.26
				<i>For 300 LB Flanges, Add</i>	524.76	
23 21 23 16-0020	EA			150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 7.5 HP.....	2,927.41	381.74
				<i>For 300 LB Flanges, Add</i>	551.44	
23 21 23 16-0021	EA			200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP.....	3,316.24	501.54
				<i>For 300 LB Flanges, Add</i>	603.55	
23 21 23 16-0022	EA			225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP.....	3,316.24	501.54
				<i>For 300 LB Flanges, Add</i>	603.55	
23 21 23 16-0023	EA			250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP.....	3,316.24	501.54
				<i>For 300 LB Flanges, Add</i>	603.55	
23 21 23 16-0024	EA			300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP.....	4,053.69	617.00
				<i>For 300 LB Flanges, Add</i>	735.87	
23 21 23 16-0025	EA			350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP.....	4,156.18	616.52
				<i>For 300 LB Flanges, Add</i>	750.30	
23 21 23 16-0026	EA			500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 20 HP.....	4,359.85	668.72
				<i>For 300 LB Flanges, Add</i>	789.28	
23 21 23 16-0027	EA			600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 25 HP.....	4,754.05	701.20
				<i>For 300 LB Flanges, Add</i>	863.80	
23 21 23 16-0028	EA			750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 30 HP.....	5,496.05	891.22
				<i>For 300 LB Flanges, Add</i>	973.10	
23 21 23 16-0029	EA			1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 40 HP.....	6,213.07	1,001.88
				<i>For 300 LB Flanges, Add</i>	1,102.24	
23 21 23 16-0030	EA			1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 60 HP.....	11,404.99	2,309.09
				<i>For 300 LB Flanges, Add</i>	1,738.14	
23 21 23 16-0031	EA			2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 75 HP.....	13,633.72	2,770.41
				<i>For 300 LB Flanges, Add</i>	2,072.70	
23 21 23 16-0032	EA			3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 100 HP.....	16,625.79	3,463.01
				<i>For 300 LB Flanges, Add</i>	2,486.78	

23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)
 Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0034	EA			40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 1-1/2" HP.....	2,261.51	280.23
				<i>For 300 LB Flanges, Add</i>	439.04	
23 21 23 16-0035	EA			50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 2 HP.....	2,350.27	300.68
				<i>For 300 LB Flanges, Add</i>	452.25	
23 21 23 16-0036	EA			90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 3 HP.....	2,439.19	321.13
				<i>For 300 LB Flanges, Add</i>	465.47	
23 21 23 16-0037	EA			100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 5 HP.....	2,604.17	328.35
				<i>For 300 LB Flanges, Add</i>	503.17	
23 21 23 16-0038	EA			100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 7.5 HP.....	3,894.32	381.26
				<i>For 300 LB Flanges, Add</i>	801.76	
23 21 23 16-0039	EA			250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 10 HP.....	5,022.86	501.54
				<i>For 300 LB Flanges, Add</i>	1,060.72	
23 21 23 16-0040	EA			350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 15 HP.....	5,261.25	541.23
				<i>For 300 LB Flanges, Add</i>	1,089.80	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0041	EA		500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 20 HP <i>For 300 LB Flanges, Add</i>	5,763.18 1,163.24	601.36
23 21 23 16-0042	EA		750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 25 HP <i>For 300 LB Flanges, Add</i>	6,211.26 1,283.95	598.03
23 21 23 16-0043	EA		1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 40 HP <i>For 300 LB Flanges, Add</i>	7,185.31 1,450.65	768.56
23 21 23 16-0044	EA		1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 50 HP <i>For 300 LB Flanges, Add</i>	9,134.61 1,838.41	923.89
23 21 23 16-0045	EA		2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	10,571.12 2,086.22	1,153.92
23 21 23 16-0046	EA		3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	14,428.25 2,939.20	1,385.20
23 21 23 16-0047	EA		3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 150 HP <i>For 300 LB Flanges, Add</i>	24,789.38 5,455.27	1,538.57
23 21 23 16-0048	EA		4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 200 HP <i>For 300 LB Flanges, Add</i>	27,182.96 5,841.65	1,978.86
23 21 23 16-0049			Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump <small>(23 21 23 16)</small> Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
23 21 23 16-0050	EA		100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 40 HP <i>For 300 LB Flanges, Add</i>	7,179.40 1,517.30	617.00
23 21 23 16-0051	EA		200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 50 HP <i>For 300 LB Flanges, Add</i>	7,777.30 1,643.64	668.72
23 21 23 16-0052	EA		300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	9,504.91 1,981.20	862.71
23 21 23 16-0053	EA		400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	17,535.58 3,840.73	1,185.44
23 21 23 16-0054	EA		800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 200 HP <i>For 300 LB Flanges, Add</i>	21,775.63 4,719.69	1,580.58
23 21 23 16-0055			Cast Iron Close Coupling Pumps <small>(23 21 23 16)</small>		
23 21 23 16-0056			Foot Mounted Cast Iron Close Coupled Pumps <small>(23 21 23 16-0055)</small>		
23 21 23 16-0057	EA		3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM).....	3,583.57	360.82
23 21 23 16-0058	EA		3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM).....	3,851.18	360.82
23 21 23 16-0059	EA		5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM).....	4,250.97	380.87
23 21 23 16-0060	EA		5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM).....	4,487.70	380.87
23 21 23 16-0061	EA		7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM).....	5,100.69	400.51
23 21 23 16-0062	EA		10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM).....	6,049.96	480.11
23 21 23 16-0063	EA		15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP).....	7,882.43	591.45
23 21 23 16-0064	EA		20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP).....	8,448.95	640.15
23 21 23 16-0065	EA		25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP).....	9,708.27	691.36
23 21 23 16-0066			Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt <small>(23 21 23 16)</small>		
23 21 23 16-0067	EA		1/3 HP, Centrifugal Pump, Polypropylene Body	955.20	186.47
23 21 23 16-0068	EA		1/2 HP, Centrifugal Pump, Polypropylene Body	1,017.76	197.71
23 21 23 16-0069	EA		3/4 HP, Centrifugal Pump, Polypropylene Body	1,165.58	210.52
23 21 23 23			Vertical-Turbine Hydronic Pumps <small>(23 21 23)</small> See CSI section 26 29 23 00-0000 for variable frequency motor controllers.		
23 21 23 23-0001			Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps <small>(23 21 23 23)</small> Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
23 21 23 23-0002	EA		50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage, 2 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	5,018.15 454.91 147.27 97.09	891.22
23 21 23 23-0003	EA		100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage, 3 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	5,173.73 467.78 153.06 101.33	1,001.88
23 21 23 23-0004	EA		250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage, 15 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	6,261.36 567.17 184.20 121.58	923.89
23 21 23 23-0005	EA		500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage, 25 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	6,641.53 599.82 197.16 130.75	1,066.11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 23-0006 EA 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage, 50 HP <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	7,764.60 695.38 236.38 158.73	1,153.92
23 21 23 23-0007 EA 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage, 100 HP <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	11,213.20 986.10 359.48 247.35	1,385.20
23 21 23 23-0008 EA 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage, 150 HP <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	13,603.94 1,199.63 432.85 296.81	1,731.51
23 21 23 23-0009 EA 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage, 200 HP <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	19,812.86 1,712.24 665.30 467.17	1,978.86
23 21 23 23-0010 EA 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage, 300 HP <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	25,268.10 2,169.86 862.31 609.63	2,309.09
23 21 23 23-0011 EA 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage, 300 HP <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	34,225.99 2,916.18 1,190.94 848.68	2,770.41

23 21 29 Automatic Condensate Pump Units (23 21)

23 21 29 00-0001 Automatic Shallow Pan Condensate Pump (23 21 29)

23 21 29 00-0002 EA 1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	191.92	39.09
23 21 29 00-0003 EA 1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	206.14	39.09
23 21 29 00-0004 EA 1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	311.80	45.10

23 21 29 00-0005 Automatic Condensate Pump With Tank (23 21 29)

23 21 29 00-0006 EA 1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	110.51	30.07
23 21 29 00-0007 EA 1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	116.59	30.07
23 21 29 00-0008 EA 1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	187.26	39.09
23 21 29 00-0009 EA 1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	203.95	45.10
23 21 29 00-0010 EA 1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS)	356.93	51.12

23 22 Steam And Condensate Piping And Pumps (23 20)

23 22 13 Steam and Condensate Heating Piping (23 22)

23 22 13 00-0001 Ric-Wil System Pipe And Casing (23 22 13)
Note: Larger pipe size is usually for the condensate return. Perma, Ric-Wil or Thermacol.

23 22 13 00-0002 Steam Pipe (23 22 13 00-0001)
Note: Includes condensate return.

23 22 13 00-0003 LF 1-1/4" And 1-1/2" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return	84.02	16.00
23 22 13 00-0004 LF 1-1/4" And 2" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return	90.33	18.28
23 22 13 00-0005 LF 1-1/2" And 3" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return	103.57	20.58
23 22 13 00-0006 LF 3" And 6" Ric-Wil Pipe, 15" Case Steam Pipe With Condensate Return	159.22	32.00
23 22 13 00-0007 LF 4" And 8" Ric-Wil Pipe, 16-1/2" Case Steam Pipe With Condensate Return	209.51	43.43

23 22 13 00-0008 Steam Or Condensate Pipe (23 22 13 00-0001)
Note: Excludes return.

23 22 13 00-0009 LF 2" Steam Or Condensate Pipe, 6" Case With No Return Line	86.55	10.29
23 22 13 00-0010 LF 2" Steam Or Condensate Pipe, 8" Case With No Return Line	92.03	11.43
23 22 13 00-0011 LF 3" Steam Or Condensate Pipe, 8" Case With No Return Line	107.89	13.71
23 22 13 00-0012 LF 4" Steam Or Condensate Pipe, 10" Case With No Return Line	138.19	20.58
23 22 13 00-0013 LF 6" Steam Or Condensate Pipe, 11-1/2" Case With No Return Line	186.90	30.85

23 22 16 Steam And Condensate Heating Piping Specialties (23 22)

23 22 16 00-0001 Steam Temperature Regulator, Iron Body (23 22 16)

23 22 16 00-0002 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)
Note: Up to 150 PSI.

23 22 16 00-0003 EA 1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	593.46	17.73
23 22 16 00-0004 EA 3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	631.26	23.89
23 22 16 00-0005 EA 1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	834.79	29.42
23 22 16 00-0006 EA 1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	927.73	37.18
23 22 16 00-0007 EA 1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	958.24	42.72
23 22 16 00-0008 EA 2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,126.99	46.45
23 22 16 00-0009 EA 2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,469.50	85.09
23 22 16 00-0010 EA 3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,633.41	92.79
23 22 16 00-0011 EA 4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,511.88	217.20
23 22 16 00-0012 EA 6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,022.63	254.92

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0013			Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
23 22 16 00-0014	EA		1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	868.44	17.73
23 22 16 00-0015	EA		3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	906.66	23.89
23 22 16 00-0016	EA		1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	953.05	29.42
23 22 16 00-0017	EA		1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,143.20	37.18
23 22 16 00-0018	EA		1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,228.79	42.72
23 22 16 00-0019	EA		2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,392.67	46.45
23 22 16 00-0020	EA		2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,153.16	85.09
23 22 16 00-0021	EA		3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,209.19	92.79
23 22 16 00-0022	EA		4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,186.88	217.20
23 22 16 00-0023	EA		6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,007.52	254.92
23 22 16 00-0024			Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
23 22 16 00-0025	EA		1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,175.04	17.73
23 22 16 00-0026	EA		3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,199.89	23.89
23 22 16 00-0027	EA		1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,317.56	29.42
23 22 16 00-0028	EA		1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,441.29	37.18
23 22 16 00-0029	EA		1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,499.34	42.72
23 22 16 00-0030	EA		2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,689.15	46.45
23 22 16 00-0031	EA		2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,125.19	85.09
23 22 16 00-0032	EA		3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,072.11	92.79
23 22 16 00-0033	EA		4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,031.77	217.20
23 22 16 00-0034	EA		6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,581.79	254.92
23 22 16 00-0035			Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
23 22 16 00-0036	EA		1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,499.05	17.73
23 22 16 00-0037	EA		3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,522.28	23.89
23 22 16 00-0038	EA		1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,657.77	29.42
23 22 16 00-0039	EA		1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,736.12	37.18
23 22 16 00-0040	EA		1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,808.76	42.72
23 22 16 00-0041	EA		2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,969.41	46.45
23 22 16 00-0042	EA		2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,287.19	85.09
23 22 16 00-0043	EA		3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,222.45	92.79
23 22 16 00-0044	EA		4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,182.11	217.20
23 22 16 00-0045	EA		6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,732.13	254.92
23 22 16 00-0046			High Temperature Safety Relief Valve (23 22 16)		
			Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22 16 00-0047			Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0046)		
			Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.		
23 22 16 00-0048			Threaded (23 22 16 00-0047)		
23 22 16 00-0049	EA		3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	256.37	18.46
23 22 16 00-0050	EA		1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	274.36	21.85
23 22 16 00-0051	EA		1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	311.27	27.69
23 22 16 00-0052	EA		1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	375.80	30.78
23 22 16 00-0053	EA		2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	477.41	37.86
23 22 16 00-0054	EA		2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	703.23	43.08
23 22 16 00-0055	EA		3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	768.21	49.55
23 22 16 00-0056			Flanged (23 22 16 00-0047)		
23 22 16 00-0057	EA		1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	1,590.91	129.26
23 22 16 00-0058	EA		2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	1,884.61	194.30
23 22 16 00-0059	EA		2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	2,055.30	178.82
23 22 16 00-0060	EA		2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	2,527.05	258.28
23 22 16 00-0061	EA		3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	2,635.28	192.61
23 22 16 00-0062	EA		3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	3,119.91	258.28
23 22 16 00-0063	EA		4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	5,172.03	366.52
23 22 16 00-0064	EA		6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	10,049.07	409.33
23 22 16 00-0065			Bronze Body Safety Valve, Threaded, Steam (23 22 16 00-0046)		
			Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.		
23 22 16 00-0066	EA		3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam.....	271.39	16.93
23 22 16 00-0067	EA		3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam.....	280.69	18.46
23 22 16 00-0068	EA		1" x 1" Threaded Bronze Body Safety Relief Valve, Steam.....	325.44	20.31
23 22 16 00-0069	EA		1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam.....	357.99	21.85
23 22 16 00-0070	EA		1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam.....	412.62	24.62
23 22 16 00-0071	EA		1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	421.73	27.69
23 22 16 00-0072	EA		1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	469.78	29.24
23 22 16 00-0073	EA		1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam.....	509.36	30.78
23 22 16 00-0074	EA		2" x 2" Threaded Bronze Body Safety Relief Valve, Steam.....	687.59	34.46
23 22 16 00-0075	EA		2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	751.89	37.86
23 22 16 00-0076	EA		2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	892.20	43.08

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

23 22 16 00-0077			Bronze Body Safety Valve, Threaded, Water (23 22 16 00-0046) Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0078	EA		3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water.....	148.99	16.93
23 22 16 00-0079	EA		3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water.....	167.84	18.46
23 22 16 00-0080	EA		1" x 1" Threaded Bronze Body Safety Relief Valve, Water.....	220.01	20.31
23 22 16 00-0081	EA		1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	241.01	21.85
23 22 16 00-0082	EA		1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	332.05	24.62
23 22 16 00-0083	EA		1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water.....	438.49	29.24
23 22 16 00-0084	EA		2" x 2" Threaded Bronze Body Safety Relief Valve, Water.....	620.20	34.46

23 22 16 00-0085			Steam Traps (23 22 16)		
23 22 16 00-0086			Inverted Bucket Steam Traps (23 22 16 00-0085)		
23 22 16 00-0087	EA		1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	248.65	39.20
			<i>For Work In Restricted Working Space, Add</i>	23.52	
23 22 16 00-0088	EA		3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	251.91	40.83
			<i>For Work In Restricted Working Space, Add</i>	24.50	
23 22 16 00-0089	EA		1" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	361.17	43.51
			<i>For Work In Restricted Working Space, Add</i>	26.14	
23 22 16 00-0090	EA		1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	575.55	59.39
			<i>For Work In Restricted Working Space, Add</i>	35.64	
23 22 16 00-0091	EA		1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	844.44	73.18
			<i>For Work In Restricted Working Space, Add</i>	43.55	
23 22 16 00-0092	EA		2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,090.29	108.89
			<i>For Work In Restricted Working Space, Add</i>	65.34	

23 22 16 00-0093			Float And Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0094	EA		3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	262.36	40.83
			<i>For Work In Restricted Working Space, Add</i>	24.50	
23 22 16 00-0095	EA		1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	337.64	43.55
			<i>For Work In Restricted Working Space, Add</i>	26.14	
23 22 16 00-0096	EA		1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	421.92	59.39
			<i>For Work In Restricted Working Space, Add</i>	35.64	
23 22 16 00-0097	EA		1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	564.58	72.59
			<i>For Work In Restricted Working Space, Add</i>	43.56	
23 22 16 00-0098	EA		2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,013.64	108.85
			<i>For Work In Restricted Working Space, Add</i>	65.34	
23 22 16 00-0099	EA		3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	325.27	40.83
			<i>For Work In Restricted Working Space, Add</i>	24.50	
23 22 16 00-0100	EA		1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	352.86	43.51
			<i>For Work In Restricted Working Space, Add</i>	26.14	
23 22 16 00-0101	EA		1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	463.43	59.39
			<i>For Work In Restricted Working Space, Add</i>	35.64	
23 22 16 00-0102	EA		1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	655.92	72.52
			<i>For Work In Restricted Working Space, Add</i>	43.56	
23 22 16 00-0103	EA		2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,106.37	108.89
			<i>For Work In Restricted Working Space, Add</i>	65.34	
23 22 16 00-0104	EA		3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	412.47	40.83
			<i>For Work In Restricted Working Space, Add</i>	24.50	
23 22 16 00-0105	EA		1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	458.05	43.55
			<i>For Work In Restricted Working Space, Add</i>	26.14	
23 22 16 00-0106	EA		1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	691.81	59.39
			<i>For Work In Restricted Working Space, Add</i>	35.64	
23 22 16 00-0107	EA		1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	718.21	72.52
			<i>For Work In Restricted Working Space, Add</i>	43.56	
23 22 16 00-0108	EA		2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,367.96	108.89
			<i>For Work In Restricted Working Space, Add</i>	65.34	
23 22 16 00-0109	EA		3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	418.00	40.83
			<i>For Work In Restricted Working Space, Add</i>	24.50	
23 22 16 00-0110	EA		1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	458.05	43.55
			<i>For Work In Restricted Working Space, Add</i>	26.14	
23 22 16 00-0111	EA		1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap.....	691.81	59.39
			<i>For Work In Restricted Working Space, Add</i>	35.64	
23 22 16 00-0112	EA		1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap.....	718.21	72.52
			<i>For Work In Restricted Working Space, Add</i>	43.56	
23 22 16 00-0113	EA		2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,367.96	108.89
			<i>For Work In Restricted Working Space, Add</i>	65.34	

23 22 16 00-0114			Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0115	EA		1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	142.62	39.20
			<i>For Work In Restricted Working Space, Add</i>	23.52	
23 22 16 00-0116	EA		3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	218.68	40.83
			<i>For Work In Restricted Working Space, Add</i>	24.50	
23 22 16 00-0117	EA		1" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	264.60	43.51
			<i>For Work In Restricted Working Space, Add</i>	26.14	

23 22 16 00-0118			Thermodynamic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0119	EA		3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	275.82	35.28
23 22 16 00-0120	EA		1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	380.15	39.20
23 22 16 00-0121	EA		3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	465.06	40.83
23 22 16 00-0122	EA		1" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	614.45	43.51

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 22 16 00-0123		Steam Moisture Separator (23 22 16 00-0085)			
23 22 16 00-0124	EA	1" Steam Moisture Separator, Threaded.....	489.80		99.31
23 22 16 00-0125	EA	1-1/2" Steam Moisture Separator, Threaded	589.86		113.69
23 22 16 00-0126	EA	2" Steam Moisture Separator, Flanged.....	777.86		174.18
23 22 16 00-0127	EA	2-1/2" Steam Moisture Separator, Flanged.....	844.17		189.47
23 22 16 00-0128	EA	3" Steam Moisture Separator, Flanged.....	1,099.68		222.15
23 22 16 00-0129	EA	4" Steam Moisture Separator, Flanged.....	1,816.33		372.42
23 22 16 00-0130	EA	6" Steam Moisture Separator, Flanged.....	3,569.28		470.42
23 22 16 00-0131		Steam/Condensate Meter (23 22 16)			
		Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.			
23 22 16 00-0132	EA	1" Steam/Condensate Meter.....	3,569.23		67.97
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00		
		For Contactor Used For Dial Counter, Add	567.00		
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00		
		For Direct Reading Pressure Gauge, Add	79.82		
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52		
23 22 16 00-0133	EA	2" Steam/Condensate Meter.....	4,029.76		79.87
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00		
		For Contactor Used For Dial Counter, Add	567.00		
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00		
		For Direct Reading Pressure Gauge, Add	79.82		
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52		
23 22 16 00-0134	EA	2-1/2" Steam/Condensate Meter.....	4,286.66		99.13
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00		
		For Contactor Used For Dial Counter, Add	567.00		
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00		
		For Direct Reading Pressure Gauge, Add	79.82		
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52		
23 22 16 00-0135	EA	3" Steam/Condensate Meter.....	4,567.34		130.29
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00		
		For Contactor Used For Dial Counter, Add	567.00		
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00		
		For Direct Reading Pressure Gauge, Add	79.82		
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52		
23 22 16 00-0136	EA	4" Steam/Condensate Meter.....	5,099.04		153.52
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00		
		For Contactor Used For Dial Counter, Add	567.00		
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00		
		For Direct Reading Pressure Gauge, Add	79.82		
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52		
23 22 16 00-0137	EA	6" Steam/Condensate Meter.....	10,202.27		946.03
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00		
		For Contactor Used For Dial Counter, Add	567.00		
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00		
		For Direct Reading Pressure Gauge, Add	79.82		
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52		
23 22 16 00-0138	EA	8" Steam/Condensate Meter.....	10,546.68		1,003.02
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00		
		For Contactor Used For Dial Counter, Add	567.00		
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00		
		For Direct Reading Pressure Gauge, Add	79.82		
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52		
23 22 16 00-0139	EA	10" Steam/Condensate Meter.....	10,964.81		1,048.23
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00		
		For Contactor Used For Dial Counter, Add	567.00		
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00		
		For Direct Reading Pressure Gauge, Add	79.82		
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52		
23 22 16 00-0140	EA	12" Steam/Condensate Meter.....	11,452.10		1,115.98
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00		
		For Contactor Used For Dial Counter, Add	567.00		
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00		
		For Direct Reading Pressure Gauge, Add	79.82		
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52		
23 22 16 00-0141	EA	14" Steam/Condensate Meter.....	12,178.90		1,212.50
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00		
		For Contactor Used For Dial Counter, Add	567.00		
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00		
		For Direct Reading Pressure Gauge, Add	79.82		
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52		
23 22 16 00-0142	EA	16" Steam/Condensate Meter.....	12,572.64		1,257.72
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00		
		For Contactor Used For Dial Counter, Add	567.00		
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00		
		For Direct Reading Pressure Gauge, Add	79.82		
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52		
23 22 23		Steam Condensate Pumps (23 22)			
23 22 23 13		Electric-Driven Steam Condensate Pumps (23 22 23)			
23 22 23 13-0001		Simplex Condensate Pumps And Motors (23 22 23 13)			
		Note: Cast iron receiver, float switch.			
23 22 23 13-0002		20 PSI Discharge Pressure (23 22 23 13-0001)			
23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,076.47		612.19

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	23 22 23	13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,617.60	629.03	
	23 22 23	13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,741.77	671.12	
	23 22 23	13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,000.07	678.35	
	23 22 23	13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,345.90	738.48	
	23 22 23	13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,808.73	738.48	
	23 22 23	13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,900.86	788.99	
	23 22 23	13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,934.46	825.07	
	23 22 23	13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,003.68	861.16	
23 22 23	13-0012	30 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>					
	23 22 23	13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,367.94	654.29	
	23 22 23	13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,027.60	671.12	
	23 22 23	13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,149.52	715.63	
	23 22 23	13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,625.43	773.35	
	23 22 23	13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,900.86	790.20	
	23 22 23	13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,038.22	817.86	
	23 22 23	13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,197.32	861.16	
	23 22 23	13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,003.06	916.48	
23 22 23	13-0021	40 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>					
	23 22 23	13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,645.89	750.50	
	23 22 23	13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,288.12	810.64	
	23 22 23	13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,820.89	801.02	
	23 22 23	13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,014.99	817.86	
	23 22 23	13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,127.20	852.74	
	23 22 23	13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,003.68	861.16	
	23 22 23	13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,101.83	916.48	
23 22 23	13-0029	50 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>					
	23 22 23	13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,794.02	813.05	
	23 22 23	13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,549.32	829.89	
	23 22 23	13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,041.17	835.90	
	23 22 23	13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,224.18	909.26	
	23 22 23	13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	8,096.58	980.22	
23 22 23	13-0035	Duplex Condensate Pumps And Motors <small>(23 22 23 13)</small>					
				Note: Cast iron receiver, float switch, alternator assembly.			
23 22 23	13-0036	20 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>					
	23 22 23	13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,365.30	821.47	
	23 22 23	13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,576.24	902.05	
	23 22 23	13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,883.35	909.26	
	23 22 23	13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,331.40	991.05	
	23 22 23	13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,910.42	991.05	
	23 22 23	13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,042.19	1,068.03	
	23 22 23	13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,108.94	1,114.93	
	23 22 23	13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,294.21	1,170.26	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 22 23 13-0045	30 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
23 22 23 13-0046	EA 9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,302.72	885.21
23 22 23 13-0047	EA 15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,518.44	967.00
23 22 23 13-0048	EA 22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,994.50	942.94
23 22 23 13-0049	EA 30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,042.19	1,068.03
23 22 23 13-0050	EA 45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,217.35	1,107.72
23 22 23 13-0051	EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,061.83	1,170.26
23 22 23 13-0052	EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,420.50	1,254.45
23 22 23 13-0053	40 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
23 22 23 13-0054	EA 9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,696.68	1,043.97
23 22 23 13-0055	EA 22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,167.34	1,090.88
23 22 23 13-0056	EA 30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,231.30	1,107.72
23 22 23 13-0057	EA 45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,417.74	1,163.05
23 22 23 13-0058	EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,295.37	1,170.26
23 22 23 13-0059	EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,448.38	1,254.45
23 22 23 13-0060	50 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
23 22 23 13-0061	EA 9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,889.56	1,043.97
23 22 23 13-0062	EA 22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,284.07	1,147.41
23 22 23 13-0063	EA 30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	6,571.91	1,246.03
23 22 23 13-0064	EA 60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	11,160.91	1,349.47
23 23 Refrigerant Piping <small>(23 20)</small>			
23 23 13 Refrigerant Piping Valves <small>(23 23)</small>			
23 23 13 00-0001	Ball Valves <small>(23 23 13)</small>		
23 23 13 00-0002	Refrigeration Ball Valves, Sweat, 1400 Series <small>(23 23 13 00-0001)</small>		
23 23 13 00-0003	EA 3/8" Refrigeration Ball Valve, Sweated	43.19	12.31
23 23 13 00-0004	EA 1/2" Refrigeration Ball Valve, Sweated	45.17	12.31
23 23 13 00-0005	EA 5/8" Refrigeration Ball Valve, Sweated	53.15	12.31
23 23 13 00-0006	EA 7/8" Refrigeration Ball Valve, Sweated	71.36	13.54
23 23 13 00-0007	EA 1-1/8" Refrigeration Ball Valve, Sweated	94.37	15.39
23 23 13 00-0008	EA 1-5/8" Refrigeration Ball Valve, Sweated	147.75	18.95
23 23 13 00-0009	Shut-Off Valves <small>(23 23 13)</small>		
23 23 13 00-0010	Packless <small>(23 23 13 00-0009)</small>		
23 23 13 00-0011	EA 1/2" Refrigeration Valve, Packless	45.61	13.59
23 23 13 00-0012	EA 5/8" Refrigeration Valve, Packless	54.53	14.90
23 23 13 00-0013	EA 7/8" Refrigeration Valve, Packless	100.25	20.38
23 23 13 00-0014	Packed <small>(23 23 13 00-0009)</small>		
23 23 13 00-0015	EA 1-1/8" Refrigeration Valve, Packed	170.56	29.66
23 23 13 00-0016	EA 1 3/8" Refrigeration Valve, Packed	224.10	36.33
23 23 13 00-0017	EA 1-5/8" Refrigeration Valve, Packed	269.12	40.90
23 23 13 00-0018	EA 2-1/8" Refrigeration Valve, Packed	371.08	46.65
23 23 13 00-0019	EA 2-5/8" Refrigeration Valve, Packed	676.94	130.67
23 23 13 00-0020	EA 3-1/8" Refrigeration Valve, Packed	878.96	163.34
23 23 13 00-0021	EA 4-1/8" Refrigeration Valve, Packed	1,233.24	217.83
23 23 13 00-0022	Check Valves <small>(23 23 13)</small>		
23 23 13 00-0023	EA 5/8" Check Valve, Refrigeration	62.11	13.07
23 23 13 00-0024	EA 7/8" Check Valve, Refrigeration	152.18	14.37
23 23 13 00-0025	EA 1-1/8" Check Valve, Refrigeration	178.16	16.33
23 23 13 00-0026	EA 1 3/8" Check Valve, Refrigeration	236.76	17.38
23 23 13 00-0027	EA 1-5/8" Check Valve, Refrigeration	303.55	20.12
23 23 13 00-0028	EA 2-1/8" Check Valve, Refrigeration	432.70	23.79
23 23 13 00-0029	EA 2-5/8" Check Valve, Refrigeration	607.70	34.89

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 13 00-0030	EA		3-1/8" Check Valve, Refrigeration.....	787.43	45.73
23 23 13 00-0031			Solenoid Valves (23 23 13)		
23 23 13 00-0032			Solenoid Valve, 24 Volt Coil (23 23 13 00-0031)		
23 23 13 00-0033	EA		1/2" Solenoid Valve, Refrigeration.....	119.14	13.07
23 23 13 00-0034	EA		5/8" Solenoid Valve, Refrigeration.....	121.38	13.07
23 23 13 00-0035	EA		3/4" Solenoid Valve, Refrigeration.....	152.96	14.37
23 23 13 00-0036	EA		7/8" Solenoid Valve, Refrigeration.....	152.96	14.37
23 23 13 00-0037	EA		1-1/8" Solenoid Valve, Refrigeration.....	207.50	16.33
23 23 13 00-0038	EA		1 3/8" Solenoid Valve, Refrigeration.....	318.69	17.38
23 23 13 00-0039	EA		1-5/8" Solenoid Valve, Refrigeration.....	549.67	20.12
23 23 13 00-0040	EA		2-1/8" Solenoid Valve, Refrigeration.....	567.95	23.79
23 23 16			Refrigerant Piping Specialties (23 23)		
23 23 16 00-0001			Soft Refrigeration Copper Tubing (23 23 16)		
			Note: Based on outside diameter. Nitrogenized.		
23 23 16 00-0002	LF		1/8" Outside Diameter Soft Refrigeration Copper Tubing.....	5.59	3.53
23 23 16 00-0003	LF		3/16" Outside Diameter Soft Refrigeration Copper Tubing.....	5.65	3.53
23 23 16 00-0004	LF		1/4" Outside Diameter Soft Refrigeration Copper Tubing.....	5.71	3.53
23 23 16 00-0005	LF		5/16" Outside Diameter Soft Refrigeration Copper Tubing.....	5.99	3.53
23 23 16 00-0006	LF		3/8" Outside Diameter Soft Refrigeration Copper Tubing.....	6.15	3.66
23 23 16 00-0007	LF		1/2" Outside Diameter Soft Refrigeration Copper Tubing.....	6.88	3.92
23 23 16 00-0008	LF		5/8" Outside Diameter Soft Refrigeration Copper Tubing.....	7.21	3.92
23 23 16 00-0009	LF		3/4" Outside Diameter Soft Refrigeration Copper Tubing.....	8.40	4.57
23 23 16 00-0010	LF		7/8" Outside Diameter Soft Refrigeration Copper Tubing.....	9.71	4.83
23 23 16 00-0011	LF		1-1/8" Outside Diameter Soft Refrigeration Copper Tubing.....	12.24	5.88
23 23 16 00-0012	LF		1-3/8" Outside Diameter Soft Refrigeration Copper Tubing.....	16.20	6.79
23 23 16 00-0013	LF		1-5/8" Outside Diameter Soft Refrigeration Copper Tubing.....	18.48	7.32
23 23 16 00-0014			Type L Drawn, ACR Copper Tubing (23 23 16)		
			Note: Nitrogenized.		
23 23 16 00-0015	LF		3/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	6.09	3.45
			For Medical Applications "Oxygen Clean", Add	0.57	
23 23 16 00-0016	LF		1/2" Outside Diameter Type L Drawn, ACR Copper Tubing.....	6.53	3.45
			For Medical Applications "Oxygen Clean", Add	0.59	
23 23 16 00-0017	LF		5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	6.81	3.45
			For Medical Applications "Oxygen Clean", Add	0.60	
23 23 16 00-0018	LF		3/4" Outside Diameter Type L Drawn, ACR Copper Tubing.....	10.35	5.48
			For Medical Applications "Oxygen Clean", Add	0.93	
23 23 16 00-0019	LF		7/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	11.26	5.88
			For Medical Applications "Oxygen Clean", Add	1.00	
23 23 16 00-0020	LF		1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	12.35	5.88
			For Medical Applications "Oxygen Clean", Add	1.06	
23 23 16 00-0021	LF		1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	15.01	6.79
			For Medical Applications "Oxygen Clean", Add	1.27	
23 23 16 00-0022	LF		1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	17.82	7.84
			For Medical Applications "Oxygen Clean", Add	1.48	
23 23 16 00-0023	LF		2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	24.20	9.80
			For Medical Applications "Oxygen Clean", Add	1.94	
23 23 16 00-0024	LF		2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	36.39	14.77
			For Medical Applications "Oxygen Clean", Add	2.93	
23 23 16 00-0025	LF		3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	46.41	18.29
			For Medical Applications "Oxygen Clean", Add	3.69	
23 23 16 00-0026	LF		3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	55.53	20.43
			For Medical Applications "Oxygen Clean", Add	4.31	
23 23 16 00-0027	LF		4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	70.38	26.14
			For Medical Applications "Oxygen Clean", Add	5.48	
23 23 16 00-0028			Refrigeration Fittings (23 23 16)		
23 23 16 00-0029			Brass Flare Fittings (23 23 16 00-0028)		
23 23 16 00-0030			Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0031	EA		3/8" Brass Flare Union.....	22.88	13.30
23 23 16 00-0032	EA		1/2" Brass Flare Union.....	22.88	13.30
23 23 16 00-0033	EA		5/8" Brass Flare Union.....	23.65	13.30
23 23 16 00-0034			90 Degree Elbow Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0035	EA		3/8" 90 Degree Brass Flare Elbow Union.....	23.35	13.30
23 23 16 00-0036	EA		1/2" 90 Degree Brass Flare Elbow Union.....	23.35	13.30
23 23 16 00-0037	EA		5/8" 90 Degree Brass Flare Elbow Union.....	25.95	13.30
23 23 16 00-0038			Brass Flare Tees (23 23 16 00-0029)		
23 23 16 00-0039	EA		3/8" Brass Flare Tee.....	37.70	22.16
23 23 16 00-0040	EA		1/2" Brass Flare Tee.....	38.86	22.16
23 23 16 00-0041	EA		5/8" Brass Flare Tee.....	45.18	22.16
23 23 16 00-0042			Male Connector, Half Brass Flare Unions (23 23 16 00-0029)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 23 16 00-0043	EA	3/8" Brass Flare Male Connector, Half Union	20.74	13.30
23 23 16 00-0044	EA	1/2" Brass Flare Male Connector, Half Union	21.52	13.30
23 23 16 00-0045	EA	5/8" Brass Flare Male Connector, Half Union	22.63	13.30
23 23 16 00-0046		Female Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0047	EA	3/8" Brass Flare Female Connector, Half Union	21.74	13.30
23 23 16 00-0048	EA	1/2" Brass Flare Female Connector, Half Union	22.80	13.30
23 23 16 00-0049	EA	5/8" Brass Flare Female Connector, Half Union	22.80	13.30
23 23 16 00-0050		Long Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0051	EA	3/8" Brass Long Forged Nut	21.22	13.30
23 23 16 00-0052	EA	1/2" Brass Long Forged Nut	21.52	13.30
23 23 16 00-0053	EA	5/8" Brass Long Forged Nut	24.90	13.30
23 23 16 00-0054		Short Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0055	EA	3/8" Brass Short Forged Nut	20.78	13.30
23 23 16 00-0056	EA	1/2" Brass Short Forged Nut	21.48	13.30
23 23 16 00-0057	EA	5/8" Brass Short Forged Nut	21.62	13.30
23 23 16 00-0058		ACR Wrought Copper Fittings (23 23 16 00-0028)		
		Note: Soldered.		
23 23 16 00-0059		ACR Wrought Copper Coupling (23 23 16 00-0058)		
		Note: C x C		
23 23 16 00-0060	EA	1/4" ACR Wrought Copper Coupling	20.57	13.30
23 23 16 00-0061	EA	3/8" ACR Wrought Copper Coupling	20.44	13.30
23 23 16 00-0062	EA	1/2" ACR Wrought Copper Coupling	20.63	13.30
23 23 16 00-0063	EA	5/8" ACR Wrought Copper Coupling	22.82	14.77
23 23 16 00-0064	EA	3/4" ACR Wrought Copper Coupling	30.94	19.47
23 23 16 00-0065	EA	7/8" ACR Wrought Copper Coupling	31.20	19.99
23 23 16 00-0066	EA	1-1/8" ACR Wrought Copper Coupling	39.72	24.83
23 23 16 00-0067	EA	1-3/8" ACR Wrought Copper Coupling	55.40	33.97
23 23 16 00-0068	EA	1-5/8" ACR Wrought Copper Coupling	65.69	39.86
23 23 16 00-0069	EA	2-1/8" ACR Wrought Copper Coupling	82.22	48.34
23 23 16 00-0070	EA	2-5/8" ACR Wrought Copper Coupling	132.16	73.44
23 23 16 00-0071	EA	3-1/8" ACR Wrought Copper Coupling	174.93	96.57
23 23 16 00-0072	EA	4-1/8" ACR Wrought Copper Coupling	240.47	114.73
23 23 16 00-0073		ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)		
		Note: C x C		
23 23 16 00-0074	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	22.23	13.30
23 23 16 00-0075	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	22.36	13.30
23 23 16 00-0076	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	22.23	13.30
23 23 16 00-0077	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	24.99	14.77
23 23 16 00-0078	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow	34.34	19.47
23 23 16 00-0079	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow	34.97	19.99
23 23 16 00-0080	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	43.93	24.83
23 23 16 00-0081	EA	1-3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	57.83	33.97
23 23 16 00-0082	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	70.54	39.86
23 23 16 00-0083	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	91.95	48.34
23 23 16 00-0084	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	149.15	73.44
23 23 16 00-0085	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	193.95	96.57
23 23 16 00-0086	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	297.74	114.73
23 23 16 00-0087		ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)		
		Note: C x C		
23 23 16 00-0088	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	24.32	13.30
23 23 16 00-0089	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	23.22	13.30
23 23 16 00-0090	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	24.09	13.30
23 23 16 00-0091	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	25.99	14.77
23 23 16 00-0092	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	33.11	19.47
23 23 16 00-0093	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	34.84	19.99
23 23 16 00-0094	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	45.08	24.83
23 23 16 00-0095	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	63.77	33.97
23 23 16 00-0096	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	77.03	39.86
23 23 16 00-0097	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	117.69	48.34
23 23 16 00-0098	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	181.74	73.44
23 23 16 00-0099	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	239.74	96.57
23 23 16 00-0100	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	426.26	114.73
23 23 16 00-0101		ACR Wrought Copper 45 Degree Elbow (23 23 16 00-0058)		
		Note: C x C		
23 23 16 00-0102	EA	1/4" ACR Wrought Copper 45 Degree Elbow	25.83	13.30
23 23 16 00-0103	EA	3/8" ACR Wrought Copper 45 Degree Elbow	24.32	13.30
23 23 16 00-0104	EA	1/2" ACR Wrought Copper 45 Degree Elbow	23.67	13.30
23 23 16 00-0105	EA	5/8" ACR Wrought Copper 45 Degree Elbow	23.73	14.77
23 23 16 00-0106	EA	3/4" ACR Wrought Copper 45 Degree Elbow	35.95	19.47
23 23 16 00-0107	EA	7/8" ACR Wrought Copper 45 Degree Elbow	32.61	19.99

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

23 23 16 00-0108	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow		43.91	24.83
23 23 16 00-0109	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow		59.97	33.97
23 23 16 00-0110	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow		70.67	39.86
23 23 16 00-0111	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow		90.54	48.34
23 23 16 00-0112	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow		148.68	73.44
23 23 16 00-0113	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow		198.72	96.57
23 23 16 00-0114	EA	4-1/8" ACR Wrought Copper 45 Degree Elbow		286.82	114.73

23 23 16 00-0115 ACR Wrought Copper Tee (23 23 16 00-0058)
 Note: C x C x C

23 23 16 00-0116	EA	1/4" ACR Wrought Copper Tee		38.00	22.16
23 23 16 00-0117	EA	3/8" ACR Wrought Copper Tee		38.26	22.16
23 23 16 00-0118	EA	1/2" ACR Wrought Copper Tee		37.28	22.16
23 23 16 00-0119	EA	5/8" ACR Wrought Copper Tee		45.80	29.66
23 23 16 00-0120	EA	3/4" ACR Wrought Copper Tee		53.55	29.66
23 23 16 00-0121	EA	7/8" ACR Wrought Copper Tee		48.50	30.05
23 23 16 00-0122	EA	1-1/8" ACR Wrought Copper Tee		70.43	39.86
23 23 16 00-0123	EA	1-3/8" ACR Wrought Copper Tee		86.77	48.34
23 23 16 00-0124	EA	1-5/8" ACR Wrought Copper Tee		108.13	57.36
23 23 16 00-0125	EA	2-1/8" ACR Wrought Copper Tee		149.19	76.44
23 23 16 00-0126	EA	2-5/8" ACR Wrought Copper Tee		319.82	166.87
23 23 16 00-0127	EA	3-1/8" ACR Wrought Copper Tee		375.13	183.47
23 23 16 00-0128	EA	4-1/8" ACR Wrought Copper Tee		547.78	203.85

23 23 16 00-0129 ACR Wrought Copper Male Adapter (23 23 16 00-0058)
 Note: C x M

23 23 16 00-0130	EA	1/4" ACR Wrought Copper Male Adapter		27.34	13.30
23 23 16 00-0131	EA	3/8" ACR Wrought Copper Male Adapter		29.76	13.30
23 23 16 00-0132	EA	1/2" ACR Wrought Copper Male Adapter		25.73	13.30

23 23 16 00-0133 ACR Wrought Copper Female Adapter (23 23 16 00-0058)
 Note: C x F

23 23 16 00-0134	EA	1/4" ACR Wrought Copper Female Adapter		26.39	13.30
23 23 16 00-0135	EA	3/8" ACR Wrought Copper Female Adapter		25.00	13.30
23 23 16 00-0136	EA	1/2" ACR Wrought Copper Female Adapter		25.52	13.30

23 23 16 00-0137 ACR Wrought Copper Cap (23 23 16 00-0058)
 Note: C

23 23 16 00-0138	EA	1/4" ACR Wrought Copper Cap		14.41	8.86
23 23 16 00-0139	EA	3/8" ACR Wrought Copper Cap		13.97	8.86
23 23 16 00-0140	EA	1/2" ACR Wrought Copper Cap		14.40	8.86

23 23 16 00-0141 ACR Wrought Copper P-Trap (23 23 16 00-0058)

23 23 16 00-0142	EA	5/8" ACR Wrought Copper P-Trap		69.71	12.03
23 23 16 00-0143	EA	3/4" ACR Wrought Copper P-Trap		89.80	13.23
23 23 16 00-0144	EA	7/8" ACR Wrought Copper P-Trap		85.28	13.23
23 23 16 00-0145	EA	1-1/8" ACR Wrought Copper P-Trap		109.37	14.43
23 23 16 00-0146	EA	1-3/8" ACR Wrought Copper P-Trap		185.92	14.43
23 23 16 00-0147	EA	1-5/8" ACR Wrought Copper P-Trap		249.90	15.64
23 23 16 00-0148	EA	2-1/8" ACR Wrought Copper P-Trap		409.83	16.84

23 23 16 00-0149 Sight Glass With Moisture And Liquid Indicator, Solder Connection (23 23 16)

23 23 16 00-0150	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection		52.14	18.04
23 23 16 00-0151	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection		62.77	21.64
23 23 16 00-0152	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection		75.08	26.46
23 23 16 00-0153	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection		83.84	30.07
23 23 16 00-0154	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection		110.18	38.49
23 23 16 00-0155	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection		130.16	46.91
23 23 16 00-0156	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection		184.55	55.33
23 23 16 00-0157	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection		235.16	75.78
23 23 16 00-0158	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection		290.33	93.81

23 23 16 00-0159 Filter Driers, Solder Connections (23 23 16)

23 23 16 00-0160 Replaceable Core Type Filter Driers, Solder Connections (23 23 16 00-0159)

23 23 16 00-0161	EA	5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections		355.94	10.82
23 23 16 00-0162	EA	7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections		377.99	13.23
23 23 16 00-0163	EA	1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections		487.04	13.23
23 23 16 00-0164	EA	1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections		505.42	14.43
23 23 16 00-0165	EA	1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections		579.26	15.64
23 23 16 00-0166	EA	2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections		682.92	16.84
23 23 16 00-0167	EA	2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections		804.22	18.04
23 23 16 00-0168	EA	3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections		1,004.39	18.04

23 23 16 00-0169 Sealed In-Line Filter Driers, Solder Connections (23 23 16 00-0159)

23 23 16 00-0170	EA	1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections		86.19	10.82
23 23 16 00-0171	EA	3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections		110.20	10.82

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 23 16 00-0172	EA	1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections.....	139.40		12.03
23 23 16 00-0173	EA	1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	158.60		12.03
23 23 16 00-0174	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections.....	176.11		12.03
23 23 16 00-0175	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections.....	191.75		12.03
23 23 16 00-0176	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	217.11		13.23
23 23 16 00-0177	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	279.13		13.23
23 23 16 00-0178	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	310.51		13.23
23 23 16 00-0179		Bi-Flow Filter Driers, Solder Connections (23 23 16 00-0159)			
23 23 16 00-0180	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	105.61		10.82
23 23 16 00-0181	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	124.02		10.82
23 23 16 00-0182	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	150.71		12.03
23 23 16 00-0183	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	129.51		10.82
23 23 16 00-0184	EA	1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	162.02		12.03
23 23 16 00-0185	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	193.70		12.03
23 23 16 00-0186		Refrigerant Compressor Discharge Mufflers (23 23 16)			
23 23 16 00-0187	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler.....	103.05		10.82
23 23 16 00-0188	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler.....	114.08		10.82
23 23 16 00-0189	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler.....	136.42		10.82
23 23 16 00-0190	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	184.78		13.23
23 23 16 00-0191	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	243.26		13.23
23 23 16 00-0192	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	290.19		14.43
23 23 16 00-0193	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	365.67		15.64
23 23 16 00-0194	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	596.93		16.84
23 23 16 00-0195	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	683.91		18.04
23 23 16 00-0196	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	849.39		18.04
23 23 16 00-0197		Expansion Valves And Vibration Absorbers (23 23 16)			
23 23 16 00-0198		Thermostatic Expansion Valves (23 23 16 00-0197)			
		Note: Outside diameter pipe sizes. Sporlan TP-S.			
23 23 16 00-0199	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	186.04		10.82
23 23 16 00-0200	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	258.12		12.03
23 23 16 00-0201	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	411.71		12.03
23 23 16 00-0202	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	489.48		13.23
23 23 16 00-0203	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	549.62		13.23
23 23 16 00-0204		Electric Expansion Valves (23 23 16 00-0197)			
		Note: Sporlan SEI or SEH.			
23 23 16 00-0205	EA	1/2 To 11 Ton Electric Expansion Valve	367.74		15.03
		Note: Sporlan SEI.			
23 23 16 00-0206	EA	25 Ton Electric Expansion Valve	417.71		15.64
		Note: Sporlan SEI.			
23 23 16 00-0207	EA	50 Ton Electric Expansion Valve	467.87		16.24
		Note: Sporlan SEI.			
23 23 16 00-0208	EA	100 Ton Electric Expansion Valve	565.13		16.24
		Note: Sporlan SEH.			
23 23 16 00-0209	EA	175 Ton Electric Expansion Valve	631.58		16.84
		Note: Sporlan SEH.			
23 23 16 00-0210		Braided Stainless Steel Over Copper Vibration Absorber (23 23 16 00-0197)			
23 23 16 00-0211	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	49.89		15.64
23 23 16 00-0212	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	53.86		18.04
23 23 16 00-0213	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	68.59		22.85
23 23 16 00-0214	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	76.31		27.66
23 23 16 00-0215	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	91.09		33.67
23 23 16 00-0216	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	104.35		38.49
23 23 16 00-0217	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	149.49		14.43
23 23 16 00-0218	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	200.52		15.64
23 23 16 00-0219	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	242.58		15.64
23 23 16 00-0220	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	315.11		16.84
23 23 16 00-0221	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	511.18		18.04
23 23 16 00-0222	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	662.70		18.04
23 23 16 00-0223		Accumulator, Refrigerant Suction Line (23 23 16)			
23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line.....	165.60		54.72
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line.....	225.50		75.17
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line	279.11		100.18
23 23 16 00-0227	EA	1 3/8" Accumulator, Refrigeration Suction Line.....	373.06		120.27
23 23 16 00-0228	EA	1-5/8" Accumulator, Refrigeration Suction Line	499.30		150.35
23 23 16 00-0229	EA	2-1/8" Accumulator, Refrigeration Suction Line	732.13		200.50
23 23 16 00-0230		Special Chemicals/Component (23 23 16)			
23 23 16 00-0231	GAL	Special Chemical, Inhibited Propylene Glycol, 100%.....	24.28		
23 23 16 00-0232	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol.....	9.33		
23 23 16 00-0233	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%.....	16.99		

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

23 23	16 00-0234	EA	Internal Coil/Refrigerant Piping Flush Note: Up to 10 ton AC system.	256.25	
-------	------------	----	---	--------	--

23 23 23 Refrigerants (23 23)

23 23 23	00-0001	Refrigerant	<small>(23 23 23)</small>		
23 23 23	00-0002	LB	Refrigerant R-113	18.47	
23 23 23	00-0003	LB	Refrigerant R-123	17.21	
23 23 23	00-0004	LB	Refrigerant R-134A	6.49	
23 23 23	00-0005	LB	Refrigerant R-410A	6.67	
23 23 23	00-0006	LB	Refrigerant R-502	24.27	

23 25 HVAC Water Treatment (23 20)

23 25 13 Water Treatment For Closed-Loop Hydronic Systems (23 25)

23 25 13	00-0001	Polyethylene Chemical Storage Tanks	<small>(23 25 13)</small>		
23 25 13	00-0002	EA	15 Gallon Chemical Storage Tank, Polyethylene.....	258.19	100.49
23 25 13	00-0003	Bypass Shot Feeders	<small>(23 25 13)</small> Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		
23 25 13	00-0004	In Line Mount, 125 PSIG	<small>(23 25 13 00-0003)</small>		
23 25 13	00-0005	EA	1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG.....	1,170.66	340.37
23 25 13	00-0006	Floor Mount, 175 PSIG	<small>(23 25 13 00-0003)</small>		
23 25 13	00-0007	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,727.50	512.36
23 25 13	00-0008	EA	12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	2,279.34	678.35
23 25 13	00-0009	Floor Mount, 150 LB ASME Code	<small>(23 25 13 00-0003)</small>		
23 25 13	00-0010	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,727.50	512.36
23 25 13	00-0011	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	2,279.34	678.35
23 25 13	00-0012	Floor Mount, 300 LB ASME Code	<small>(23 25 13 00-0003)</small>		
23 25 13	00-0013	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	2,094.74	512.36
23 25 13	00-0014	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	2,660.65	678.35
23 25 13	00-0015	Gas Chlorinator	<small>(23 25 13)</small>		
23 25 13	00-0016	EA	Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,195.96	430.86
			<i>For Booster Pump, Add</i>	477.60	
23 25 13	00-0017	EA	Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,366.44	492.40
			<i>For Booster Pump, Add</i>	545.95	
23 25 13	00-0018	EA	Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,857.10	373.00
			<i>For Booster Pump, Add</i>	662.87	

23 30 HVAC Air Distribution (23)

23 31 HVAC Ducts And Casings (23 30)

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0423 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts (23 31)

23 31 13 13 Rectangular Metal Ducts (23 31 13)

23 31 13 13	13-0001	Steel Sheet Metal Duct	<small>(23 31 13 13)</small> Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc. Fabrication and installation are combined in labor cost.		
23 31 13 13	13-0002	Galvanized Steel Sheet Metal Ductwork	<small>(23 31 13 13-0001)</small> Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF		
23 31 13 13	13-0003	LB	2" WG And Less (Class C), Rectangular Or Square, Fabricated Galvanized Steel Sheet Metal Ductwork.....	9.44	3.16
			<i>For Polyvinyl Chloride (PVC) Coated, Add</i>	0.12	
			<i>For Flat Oval, Add</i>	0.09	
			<i>For Up To 200, Add</i>	3.01	
			<i>For >200 To 500, Add</i>	1.85	
			<i>For >500 To 1,000, Add</i>	1.36	
			<i>For >1,000 To 2,000, Add</i>	0.77	
			<i>For >2,000 To 5,000, Add</i>	0.37	
			<i>For Work In Restricted Working Space, Add</i>	2.66	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 13-0004	LB 3" WG (Class B), Rectangular Or Square, Fabricated Galvanized Steel Sheet Metal Ductwork	10.77	3.16
	For Polyvinyl Chloride (PVC) Coated, Add	0.12	
	For Flat Oval, Add	0.09	
	For Up To 200, Add	3.41	
	For >200 To 500, Add	2.09	
	For >500 To 1,000, Add	1.55	
	For >1,000 To 2,000, Add	0.88	
	For >2,000 To 5,000, Add	0.42	
	For Work In Restricted Working Space, Add	3.05	
23 31 13 13-0005	LB 4" Or 6" WG (Class A), Rectangular Or Square, Fabricated Galvanized Steel Sheet Metal Ductwork.....	12.98	3.16
	For Polyvinyl Chloride (PVC) Coated, Add	0.12	
	For Flat Oval, Add	0.09	
	For Up To 200, Add	4.07	
	For >200 To 500, Add	2.48	
	For >500 To 1,000, Add	1.86	
	For >1,000 To 2,000, Add	1.06	
	For >2,000 To 5,000, Add	0.51	
	For Work In Restricted Working Space, Add	3.72	
23 31 13 13-0006	Alloy 3003-H14, Aluminum Sheet Metal Ductwork <small>(23 31 13 13-0001)</small>		
	Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge - 0.901 LB/SF; 12 gauge - 0.141 LB/SF		
23 31 13 13-0007	LB 2" WG And Less (Class C), Alloy 3003-H14, Aluminum Sheet Metal Ductwork	19.35	3.16
	For Work In Restricted Working Space, Add	5.25	
	For Up To 200, Add	6.36	
	For >200 To 500, Add	3.95	
	For >500 To 1,000, Add	2.84	
	For >1,000 To 2,000, Add	1.60	
	For >2,000 To 5,000, Add	0.76	
23 31 13 13-0008	LB 3" WG (Class B), Alloy 3003-H14, Aluminum Sheet Metal Ductwork	21.97	3.16
	For Work In Restricted Working Space, Add	6.03	
	For Up To 200, Add	7.15	
	For >200 To 500, Add	4.42	
	For >500 To 1,000, Add	3.21	
	For >1,000 To 2,000, Add	1.81	
	For >2,000 To 5,000, Add	0.86	
23 31 13 13-0009	LB 4" Or 6" WG (Class A), Alloy 3003-H14, Aluminum Sheet Metal Ductwork	26.35	3.16
	For Work In Restricted Working Space, Add	7.35	
	For Up To 200, Add	8.46	
	For >200 To 500, Add	5.21	
	For >500 To 1,000, Add	3.82	
	For >1,000 To 2,000, Add	2.16	
	For >2,000 To 5,000, Add	1.04	
23 31 13 13-0010	Type 304, Stainless Steel Sheet Metal Ductwork <small>(23 31 13 13-0001)</small>		
	Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge - 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge - 3.154 LB/SF; 12 gauge - 4.427 LB/SF		
23 31 13 13-0011	LB 2" WG And Less (Class C), Type 304, Stainless Steel Sheet Metal Ductwork	13.25	4.21
	For Work In Restricted Working Space, Add	3.23	
	For Type 316 Stainless Steel, Add	0.25	
	For Welded Seams, Add	5.50	
	For Up To 200, Add	4.73	
	For >200 To 500, Add	3.01	
	For >500 To 1,000, Add	2.03	
	For >1,000 To 2,000, Add	1.14	
	For >2,000 To 5,000, Add	0.51	
23 31 13 13-0012	LB 3" WG (Class B), Type 304, Stainless Steel Sheet Metal Ductwork	15.46	4.21
	For Work In Restricted Working Space, Add	3.89	
	For Type 316 Stainless Steel, Add	0.25	
	For Welded Seams, Add	6.61	
	For Up To 200, Add	5.39	
	For >200 To 500, Add	3.41	
	For >500 To 1,000, Add	2.34	
	For >1,000 To 2,000, Add	1.31	
	For >2,000 To 5,000, Add	0.59	
23 31 13 13-0013	LB 4" Or 6" WG (Class A), Type 304, Stainless Steel Sheet Metal Ductwork.....	17.54	4.21
	For Work In Restricted Working Space, Add	4.51	
	For Type 316 Stainless Steel, Add	0.25	
	For Welded Seams, Add	7.65	
	For Up To 200, Add	6.01	
	For >200 To 500, Add	3.78	
	For >500 To 1,000, Add	2.63	
	For >1,000 To 2,000, Add	1.48	
	For >2,000 To 5,000, Add	0.68	
23 31 13 16	Round and Flat-Oval Spiral Ducts <small>(23 31 13)</small>		
23 31 13 16-0001	Factory Fabricated Low Pressure Round Duct <small>(23 31 13 16)</small>		
	Note: Based on 26 gauge.		
23 31 13 16-0002	Factory Fabricated, 2" WG And Less (Class C), Galvanized Sheet Metal Round Ducts <small>(23 31 13 16-0001)</small>		
	Note: Includes straps and supports.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 16-0003	LF	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Factory Fabricated, Galvanized Sheet Metal Round Duct.....	5.99	2.54
			For 3" WG (Class B), Add	0.78	
			For 4" Or 6" WG (Class A), Add	2.08	
			For 28 Gauge, Deduct	-0.11	
			For 24 Gauge, Add	0.11	
			For 22 Gauge, Add	0.21	
			For 20 Gauge, Add	0.32	
			For 18 Gauge, Add	0.43	
			For 16 Gauge, Add	0.53	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.58	
			For Work In Restricted Working Space, Add	1.56	
23 31	13 16-0004	LF	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Factory Fabricated, Galvanized Sheet Metal Round Duct.....	6.78	2.89
			For 3" WG (Class B), Add	0.87	
			For 4" Or 6" WG (Class A), Add	2.31	
			For 28 Gauge, Deduct	-0.14	
			For 24 Gauge, Add	0.14	
			For 22 Gauge, Add	0.28	
			For 20 Gauge, Add	0.41	
			For 18 Gauge, Add	0.55	
			For 16 Gauge, Add	0.68	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.74	
			For Work In Restricted Working Space, Add	1.73	
23 31	13 16-0005	LF	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Factory Fabricated, Galvanized Sheet Metal Round Duct.....	7.64	3.47
			For 3" WG (Class B), Add	0.98	
			For 4" Or 6" WG (Class A), Add	2.60	
			For 28 Gauge, Deduct	-0.16	
			For 24 Gauge, Add	0.16	
			For 22 Gauge, Add	0.31	
			For 20 Gauge, Add	0.47	
			For 18 Gauge, Add	0.63	
			For 16 Gauge, Add	0.77	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.84	
			For Work In Restricted Working Space, Add	1.95	
23 31	13 16-0006	LF	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Factory Fabricated, Galvanized Sheet Metal Round Duct.....	8.79	4.05
			For 3" WG (Class B), Add	1.12	
			For 4" Or 6" WG (Class A), Add	2.98	
			For 28 Gauge, Deduct	-0.19	
			For 24 Gauge, Add	0.19	
			For 22 Gauge, Add	0.37	
			For 20 Gauge, Add	0.56	
			For 18 Gauge, Add	0.74	
			For 16 Gauge, Add	0.91	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.00	
			For Work In Restricted Working Space, Add	2.23	
23 31	13 16-0007	LF	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Factory Fabricated, Galvanized Sheet Metal Round Duct.....	10.17	4.62
			For 3" WG (Class B), Add	1.30	
			For 4" Or 6" WG (Class A), Add	3.47	
			For 28 Gauge, Deduct	-0.21	
			For 24 Gauge, Add	0.21	
			For 22 Gauge, Add	0.41	
			For 20 Gauge, Add	0.62	
			For 18 Gauge, Add	0.83	
			For 16 Gauge, Add	1.01	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.11	
			For Work In Restricted Working Space, Add	2.60	
23 31	13 16-0008	LF	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Factory Fabricated, Galvanized Sheet Metal Round Duct.....	12.26	5.78
			For 3" WG (Class B), Add	1.56	
			For 4" Or 6" WG (Class A), Add	4.16	
			For 28 Gauge, Deduct	-0.26	
			For 24 Gauge, Add	0.26	
			For 22 Gauge, Add	0.51	
			For 20 Gauge, Add	0.77	
			For 18 Gauge, Add	1.02	
			For 16 Gauge, Add	1.25	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.37	
			For Work In Restricted Working Space, Add	3.12	
23 31	13 16-0009	LF	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Factory Fabricated, Galvanized Sheet Metal Round Duct.....	15.27	7.75
			For 3" WG (Class B), Add	1.95	
			For 4" Or 6" WG (Class A), Add	5.20	
			For 28 Gauge, Deduct	-0.31	
			For 24 Gauge, Add	0.31	
			For 22 Gauge, Add	0.63	
			For 20 Gauge, Add	0.94	
			For 18 Gauge, Add	1.25	
			For 16 Gauge, Add	1.53	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.68	
			For Work In Restricted Working Space, Add	3.90	
23 31	13 16-0010	LF	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Factory Fabricated, Galvanized Sheet Metal Round Duct.....	18.90	11.57
			For 3" WG (Class B), Add	2.44	
			For 4" Or 6" WG (Class A), Add	6.50	
			For 28 Gauge, Deduct	-0.37	
			For 24 Gauge, Add	0.36	
			For 22 Gauge, Add	0.73	
			For 20 Gauge, Add	1.09	
			For 18 Gauge, Add	1.45	
			For 16 Gauge, Add	1.78	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.95	
			For Work In Restricted Working Space, Add	4.88	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 31 13 16-0011	LF	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Factory Fabricated, Galvanized Sheet Metal Round Duct.....	25.59	15.50
		For 3" WG (Class B), Add	3.25	
		For 4" Or 6" WG (Class A), Add	8.67	
		For 28 Gauge, Deduct	-0.54	
		For 24 Gauge, Add	0.54	
		For 22 Gauge, Add	1.08	
		For 20 Gauge, Add	1.62	
		For 18 Gauge, Add	2.15	
		For 16 Gauge, Add	2.64	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.89	
		For Work In Restricted Working Space, Add	6.50	
23 31 13 16-0012		Factory Fabricated, 2" WG And Less (Class C), Galvanized Sheet Metal Round Adjustable Elbows (23 31 13 16-0001)		
		Note: Up to 90 degree.		
23 31 13 16-0013	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Adjustable Elbow	34.55	15.44
		For 3" WG (Class B), Add	4.63	
		For 4" Or 6" WG (Class A), Add	12.35	
		For 28 Gauge, Deduct	-0.51	
		For 24 Gauge, Add	0.51	
		For 22 Gauge, Add	1.01	
		For 20 Gauge, Add	1.52	
		For 18 Gauge, Add	2.02	
		For 16 Gauge, Add	2.48	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.72	
		For Work In Restricted Working Space, Add	9.26	
23 31 13 16-0014	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Adjustable Elbow	39.63	17.81
		For 3" WG (Class B), Add	5.34	
		For 4" Or 6" WG (Class A), Add	14.25	
		For 28 Gauge, Deduct	-0.56	
		For 24 Gauge, Add	0.55	
		For 22 Gauge, Add	1.10	
		For 20 Gauge, Add	1.66	
		For 18 Gauge, Add	2.21	
		For 16 Gauge, Add	2.71	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.97	
		For Work In Restricted Working Space, Add	10.69	
23 31 13 16-0015	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Adjustable Elbow	46.60	21.04
		For 3" WG (Class B), Add	6.31	
		For 4" Or 6" WG (Class A), Add	16.84	
		For 28 Gauge, Deduct	-0.62	
		For 24 Gauge, Add	0.62	
		For 22 Gauge, Add	1.24	
		For 20 Gauge, Add	1.87	
		For 18 Gauge, Add	2.48	
		For 16 Gauge, Add	3.04	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.34	
		For Work In Restricted Working Space, Add	12.63	
23 31 13 16-0016	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Adjustable Elbow	59.66	27.06
		For 3" WG (Class B), Add	8.12	
		For 4" Or 6" WG (Class A), Add	21.65	
		For 28 Gauge, Deduct	-0.77	
		For 24 Gauge, Add	0.76	
		For 22 Gauge, Add	1.53	
		For 20 Gauge, Add	2.29	
		For 18 Gauge, Add	3.05	
		For 16 Gauge, Add	3.74	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.10	
		For Work In Restricted Working Space, Add	16.24	
23 31 13 16-0017	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Adjustable Elbow	71.90	32.95
		For 3" WG (Class B), Add	9.89	
		For 4" Or 6" WG (Class A), Add	26.37	
		For 28 Gauge, Deduct	-0.83	
		For 24 Gauge, Add	0.83	
		For 22 Gauge, Add	1.65	
		For 20 Gauge, Add	2.48	
		For 18 Gauge, Add	3.29	
		For 16 Gauge, Add	4.04	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.43	
		For Work In Restricted Working Space, Add	19.78	
23 31 13 16-0018	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Adjustable Elbow	110.82	51.46
		For 3" WG (Class B), Add	15.44	
		For 4" Or 6" WG (Class A), Add	41.17	
		For 28 Gauge, Deduct	-1.09	
		For 24 Gauge, Add	1.09	
		For 22 Gauge, Add	2.18	
		For 20 Gauge, Add	3.27	
		For 18 Gauge, Add	4.35	
		For 16 Gauge, Add	5.33	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.85	
		For Work In Restricted Working Space, Add	30.88	

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

23 31 13 16-0019	EA			12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Adjustable Elbow	152.94	71.12
				For 3" WG (Class B), Add	21.34	
				For 4" Or 6" WG (Class A), Add	56.90	
				For 28 Gauge, Deduct	-1.48	
				For 24 Gauge, Add	1.48	
				For 22 Gauge, Add	2.95	
				For 20 Gauge, Add	4.43	
				For 18 Gauge, Add	5.89	
				For 16 Gauge, Add	7.22	
				For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.92	
				For Work In Restricted Working Space, Add	42.67	
23 31 13 16-0020	EA			14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Adjustable Elbow	184.65	84.13
				For 3" WG (Class B), Add	25.24	
				For 4" Or 6" WG (Class A), Add	67.30	
				For 28 Gauge, Deduct	-2.27	
				For 24 Gauge, Add	2.26	
				For 22 Gauge, Add	4.52	
				For 20 Gauge, Add	6.79	
				For 18 Gauge, Add	9.02	
				For 16 Gauge, Add	11.07	
				For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.14	
				For Work In Restricted Working Space, Add	50.48	
23 31 13 16-0021	EA			16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Adjustable Elbow	208.53	92.51
				For 3" WG (Class B), Add	27.75	
				For 4" Or 6" WG (Class A), Add	74.01	
				For 28 Gauge, Deduct	-3.25	
				For 24 Gauge, Add	3.24	
				For 22 Gauge, Add	6.47	
				For 20 Gauge, Add	9.73	
				For 18 Gauge, Add	12.93	
				For 16 Gauge, Add	15.86	
				For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.39	
				For Work In Restricted Working Space, Add	55.51	

23 31 13 16-0022 Factory Fabricated, 2" WG And Less (Class C), Galvanized Sheet Metal Round 90 Degree Elbows (23 31 13 16-0001)

23 31 13 16-0023	EA			4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 90 Degree Elbow	29.12	10.41
				For 3" WG (Class B), Add	3.90	
				For 4" Or 6" WG (Class A), Add	10.41	
				For 28 Gauge, Deduct	-0.43	
				For 24 Gauge, Add	0.43	
				For 22 Gauge, Add	0.85	
				For 20 Gauge, Add	1.28	
				For 18 Gauge, Add	1.71	
				For 16 Gauge, Add	2.09	
				For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.29	
				For Work In Restricted Working Space, Add	7.81	
23 31 13 16-0024	EA			5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 90 Degree Elbow	33.27	11.91
				For 3" WG (Class B), Add	4.46	
				For 4" Or 6" WG (Class A), Add	11.90	
				For 28 Gauge, Deduct	-0.49	
				For 24 Gauge, Add	0.49	
				For 22 Gauge, Add	0.97	
				For 20 Gauge, Add	1.46	
				For 18 Gauge, Add	1.94	
				For 16 Gauge, Add	2.38	
				For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.61	
				For Work In Restricted Working Space, Add	8.92	
23 31 13 16-0025	EA			6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 90 Degree Elbow	38.71	13.88
				For 3" WG (Class B), Add	5.20	
				For 4" Or 6" WG (Class A), Add	13.88	
				For 28 Gauge, Deduct	-0.56	
				For 24 Gauge, Add	0.55	
				For 22 Gauge, Add	1.11	
				For 20 Gauge, Add	1.66	
				For 18 Gauge, Add	2.21	
				For 16 Gauge, Add	2.71	
				For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.97	
				For Work In Restricted Working Space, Add	10.41	
23 31 13 16-0026	EA			7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 90 Degree Elbow	45.89	16.65
				For 3" WG (Class B), Add	6.24	
				For 4" Or 6" WG (Class A), Add	16.65	
				For 28 Gauge, Deduct	-0.59	
				For 24 Gauge, Add	0.59	
				For 22 Gauge, Add	1.17	
				For 20 Gauge, Add	1.76	
				For 18 Gauge, Add	2.34	
				For 16 Gauge, Add	2.88	
				For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.15	
				For Work In Restricted Working Space, Add	12.49	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0027	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 90 Degree Elbow	56.98	20.81
		<i>For 3" WG (Class B), Add</i>	7.81	
		<i>For 4" Or 6" WG (Class A), Add</i>	20.82	
		<i>For 28 Gauge, Deduct</i>	-0.68	
		<i>For 24 Gauge, Add</i>	0.68	
		<i>For 22 Gauge, Add</i>	1.36	
		<i>For 20 Gauge, Add</i>	2.05	
		<i>For 18 Gauge, Add</i>	2.72	
		<i>For 16 Gauge, Add</i>	3.33	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.66	
		<i>For Work In Restricted Working Space, Add</i>	15.61	
23 31 13 16-0028	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 90 Degree Elbow	76.44	27.76
		<i>For 3" WG (Class B), Add</i>	10.41	
		<i>For 4" Or 6" WG (Class A), Add</i>	27.75	
		<i>For 28 Gauge, Deduct</i>	-0.98	
		<i>For 24 Gauge, Add</i>	0.97	
		<i>For 22 Gauge, Add</i>	1.95	
		<i>For 20 Gauge, Add</i>	2.92	
		<i>For 18 Gauge, Add</i>	3.88	
		<i>For 16 Gauge, Add</i>	4.77	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.22	
		<i>For Work In Restricted Working Space, Add</i>	20.81	
23 31 13 16-0029	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 90 Degree Elbow	113.42	41.63
		<i>For 3" WG (Class B), Add</i>	15.61	
		<i>For 4" Or 6" WG (Class A), Add</i>	41.63	
		<i>For 28 Gauge, Deduct</i>	-1.29	
		<i>For 24 Gauge, Add</i>	1.29	
		<i>For 22 Gauge, Add</i>	2.57	
		<i>For 20 Gauge, Add</i>	3.87	
		<i>For 18 Gauge, Add</i>	5.14	
		<i>For 16 Gauge, Add</i>	6.30	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.91	
		<i>For Work In Restricted Working Space, Add</i>	31.22	
23 31 13 16-0030	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 90 Degree Elbow	150.48	53.19
		<i>For 3" WG (Class B), Add</i>	19.95	
		<i>For 4" Or 6" WG (Class A), Add</i>	53.20	
		<i>For 28 Gauge, Deduct</i>	-2.42	
		<i>For 24 Gauge, Add</i>	2.41	
		<i>For 22 Gauge, Add</i>	4.82	
		<i>For 20 Gauge, Add</i>	7.24	
		<i>For 18 Gauge, Add</i>	9.62	
		<i>For 16 Gauge, Add</i>	11.81	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	12.94	
		<i>For Work In Restricted Working Space, Add</i>	39.90	
23 31 13 16-0031	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 90 Degree Elbow	189.08	67.07
		<i>For 3" WG (Class B), Add</i>	25.15	
		<i>For 4" Or 6" WG (Class A), Add</i>	67.07	
		<i>For 28 Gauge, Deduct</i>	-2.96	
		<i>For 24 Gauge, Add</i>	2.95	
		<i>For 22 Gauge, Add</i>	5.90	
		<i>For 20 Gauge, Add</i>	8.86	
		<i>For 18 Gauge, Add</i>	11.77	
		<i>For 16 Gauge, Add</i>	14.45	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	15.84	
		<i>For Work In Restricted Working Space, Add</i>	50.30	

23 31 13 16-0032 Factory Fabricated, 2" WG And Less (Class C), Galvanized Sheet Metal Round 45 Degree Elbows (23 31 13 16-0001)

23 31 13 16-0033	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 45 Degree Elbow	27.96	10.41
		<i>For 3" WG (Class B), Add</i>	3.90	
		<i>For 4" Or 6" WG (Class A), Add</i>	10.41	
		<i>For 28 Gauge, Deduct</i>	-0.27	
		<i>For 24 Gauge, Add</i>	0.27	
		<i>For 22 Gauge, Add</i>	0.53	
		<i>For 20 Gauge, Add</i>	0.80	
		<i>For 18 Gauge, Add</i>	1.07	
		<i>For 16 Gauge, Add</i>	1.31	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	1.44	
		<i>For Work In Restricted Working Space, Add</i>	7.81	
23 31 13 16-0034	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 45 Degree Elbow	32.24	11.91
		<i>For 3" WG (Class B), Add</i>	4.46	
		<i>For 4" Or 6" WG (Class A), Add</i>	11.90	
		<i>For 28 Gauge, Deduct</i>	-0.35	
		<i>For 24 Gauge, Add</i>	0.35	
		<i>For 22 Gauge, Add</i>	0.69	
		<i>For 20 Gauge, Add</i>	1.04	
		<i>For 18 Gauge, Add</i>	1.38	
		<i>For 16 Gauge, Add</i>	1.69	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	1.85	
		<i>For Work In Restricted Working Space, Add</i>	8.92	

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

23 31 13 16-0035	EA	6"	Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 45 Degree Elbow	37.42	13.88
			For 3" WG (Class B), Add	5.20	
			For 4" Or 6" WG (Class A), Add	13.88	
			For 28 Gauge, Deduct	-0.38	
			For 24 Gauge, Add	0.38	
			For 22 Gauge, Add	0.75	
			For 20 Gauge, Add	1.13	
			For 18 Gauge, Add	1.50	
			For 16 Gauge, Add	1.84	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.02	
			For Work In Restricted Working Space, Add	10.41	
23 31 13 16-0036	EA	7"	Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 45 Degree Elbow	44.79	16.65
			For 3" WG (Class B), Add	6.24	
			For 4" Or 6" WG (Class A), Add	16.65	
			For 28 Gauge, Deduct	-0.44	
			For 24 Gauge, Add	0.44	
			For 22 Gauge, Add	0.87	
			For 20 Gauge, Add	1.31	
			For 18 Gauge, Add	1.74	
			For 16 Gauge, Add	2.13	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.34	
			For Work In Restricted Working Space, Add	12.49	
23 31 13 16-0037	EA	8"	Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 45 Degree Elbow	55.64	20.81
			For 3" WG (Class B), Add	7.81	
			For 4" Or 6" WG (Class A), Add	20.82	
			For 28 Gauge, Deduct	-0.50	
			For 24 Gauge, Add	0.50	
			For 22 Gauge, Add	0.99	
			For 20 Gauge, Add	1.49	
			For 18 Gauge, Add	1.98	
			For 16 Gauge, Add	2.43	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.66	
			For Work In Restricted Working Space, Add	15.61	
23 31 13 16-0038	EA	10"	Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 45 Degree Elbow	74.86	27.76
			For 3" WG (Class B), Add	10.41	
			For 4" Or 6" WG (Class A), Add	27.75	
			For 28 Gauge, Deduct	-0.76	
			For 24 Gauge, Add	0.76	
			For 22 Gauge, Add	1.51	
			For 20 Gauge, Add	2.27	
			For 18 Gauge, Add	3.01	
			For 16 Gauge, Add	3.70	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.06	
			For Work In Restricted Working Space, Add	20.81	
23 31 13 16-0039	EA	12"	Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 45 Degree Elbow	111.14	41.63
			For 3" WG (Class B), Add	15.61	
			For 4" Or 6" WG (Class A), Add	41.63	
			For 28 Gauge, Deduct	-0.98	
			For 24 Gauge, Add	0.97	
			For 22 Gauge, Add	1.95	
			For 20 Gauge, Add	2.92	
			For 18 Gauge, Add	3.88	
			For 16 Gauge, Add	4.77	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.22	
			For Work In Restricted Working Space, Add	31.22	
23 31 13 16-0040	EA	14"	Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 45 Degree Elbow	145.21	53.19
			For 3" WG (Class B), Add	19.95	
			For 4" Or 6" WG (Class A), Add	53.20	
			For 28 Gauge, Deduct	-1.69	
			For 24 Gauge, Add	1.69	
			For 22 Gauge, Add	3.37	
			For 20 Gauge, Add	5.06	
			For 18 Gauge, Add	6.72	
			For 16 Gauge, Add	8.25	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.04	
			For Work In Restricted Working Space, Add	39.90	
23 31 13 16-0041	EA	16"	Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round 45 Degree Elbow	187.72	67.07
			For 3" WG (Class B), Add	25.15	
			For 4" Or 6" WG (Class A), Add	67.07	
			For 28 Gauge, Deduct	-2.78	
			For 24 Gauge, Add	2.77	
			For 22 Gauge, Add	5.52	
			For 20 Gauge, Add	8.30	
			For 18 Gauge, Add	11.02	
			For 16 Gauge, Add	13.53	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.83	
			For Work In Restricted Working Space, Add	50.30	

23 31 13 16-0042 Factory Fabricated, 2" WG And Less (Class C), Galvanized Sheet Metal Round Tees (23 31 13 16-0001)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0043	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Tee.....	43.35	15.61
		For 3" WG (Class B), Add	5.85	
		For 4" Or 6" WG (Class A), Add	15.61	
		For 28 Gauge, Deduct	-0.60	
		For 24 Gauge, Add	0.60	
		For 22 Gauge, Add	1.19	
		For 20 Gauge, Add	1.79	
		For 18 Gauge, Add	2.38	
		For 16 Gauge, Add	2.92	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.20	
		For Work In Restricted Working Space, Add	11.71	
23 31 13 16-0044	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Tee.....	50.37	17.81
		For 3" WG (Class B), Add	6.69	
		For 4" Or 6" WG (Class A), Add	17.84	
		For 28 Gauge, Deduct	-0.80	
		For 24 Gauge, Add	0.79	
		For 22 Gauge, Add	1.59	
		For 20 Gauge, Add	2.38	
		For 18 Gauge, Add	3.17	
		For 16 Gauge, Add	3.89	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.26	
		For Work In Restricted Working Space, Add	13.38	
23 31 13 16-0045	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Tee.....	58.29	20.81
		For 3" WG (Class B), Add	7.81	
		For 4" Or 6" WG (Class A), Add	20.82	
		For 28 Gauge, Deduct	-0.87	
		For 24 Gauge, Add	0.86	
		For 22 Gauge, Add	1.72	
		For 20 Gauge, Add	2.59	
		For 18 Gauge, Add	3.44	
		For 16 Gauge, Add	4.22	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.63	
		For Work In Restricted Working Space, Add	15.61	
23 31 13 16-0046	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Tee.....	69.63	24.97
		For 3" WG (Class B), Add	9.37	
		For 4" Or 6" WG (Class A), Add	24.98	
		For 28 Gauge, Deduct	-1.00	
		For 24 Gauge, Add	0.99	
		For 22 Gauge, Add	1.98	
		For 20 Gauge, Add	2.98	
		For 18 Gauge, Add	3.95	
		For 16 Gauge, Add	4.85	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.32	
		For Work In Restricted Working Space, Add	18.73	
23 31 13 16-0047	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Tee.....	89.69	31.22
		For 3" WG (Class B), Add	11.71	
		For 4" Or 6" WG (Class A), Add	31.23	
		For 28 Gauge, Deduct	-1.61	
		For 24 Gauge, Add	1.60	
		For 22 Gauge, Add	3.20	
		For 20 Gauge, Add	4.81	
		For 18 Gauge, Add	6.39	
		For 16 Gauge, Add	7.84	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.60	
		For Work In Restricted Working Space, Add	23.42	
23 31 13 16-0048	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Tee.....	118.91	41.63
		For 3" WG (Class B), Add	15.61	
		For 4" Or 6" WG (Class A), Add	41.63	
		For 28 Gauge, Deduct	-2.05	
		For 24 Gauge, Add	2.05	
		For 22 Gauge, Add	4.09	
		For 20 Gauge, Add	6.14	
		For 18 Gauge, Add	8.16	
		For 16 Gauge, Add	10.01	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.97	
		For Work In Restricted Working Space, Add	31.22	
23 31 13 16-0049	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Tee.....	170.91	62.45
		For 3" WG (Class B), Add	23.41	
		For 4" Or 6" WG (Class A), Add	62.43	
		For 28 Gauge, Deduct	-2.05	
		For 24 Gauge, Add	2.05	
		For 22 Gauge, Add	4.09	
		For 20 Gauge, Add	6.14	
		For 18 Gauge, Add	8.16	
		For 16 Gauge, Add	10.01	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.97	
		For Work In Restricted Working Space, Add	46.82	
23 31 13 16-0050	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Tee.....	227.62	79.56
		For 3" WG (Class B), Add	29.91	
		For 4" Or 6" WG (Class A), Add	79.75	
		For 28 Gauge, Deduct	-3.91	
		For 24 Gauge, Add	3.90	
		For 22 Gauge, Add	7.78	
		For 20 Gauge, Add	11.69	
		For 18 Gauge, Add	15.53	
		For 16 Gauge, Add	19.06	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.90	
		For Work In Restricted Working Space, Add	59.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0051	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Tee.....	291.03	100.84
			For 3" WG (Class B), Add	37.71	
			For 4" Or 6" WG (Class A), Add	100.56	
			For 28 Gauge, Deduct	-5.49	
			For 24 Gauge, Add	5.47	
			For 22 Gauge, Add	10.92	
			For 20 Gauge, Add	16.41	
			For 18 Gauge, Add	21.80	
			For 16 Gauge, Add	26.76	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.33	
			For Work In Restricted Working Space, Add	75.42	
23 31 13 16-0052			Factory Fabricated, 2" WG And Less (Class C), Galvanized Sheet Metal Round Connectors <small>(23 31 13 16-0001)</small>		
23 31 13 16-0053	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Connector	19.96	
			For 3" WG (Class B), Add	2.78	
			For 4" Or 6" WG (Class A), Add	7.40	
			For Work In Restricted Working Space, Add	5.55	
23 31 13 16-0054	EA		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Connector	21.01	
			For 3" WG (Class B), Add	2.92	
			For 4" Or 6" WG (Class A), Add	7.78	
			For Work In Restricted Working Space, Add	5.84	
23 31 13 16-0055	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Connector	22.49	
			For 3" WG (Class B), Add	3.12	
			For 4" Or 6" WG (Class A), Add	8.32	
			For Work In Restricted Working Space, Add	6.24	
23 31 13 16-0056	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Connector	23.89	
			For 3" WG (Class B), Add	3.30	
			For 4" Or 6" WG (Class A), Add	8.79	
			For Work In Restricted Working Space, Add	6.59	
23 31 13 16-0057	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Connector	25.88	
			For 3" WG (Class B), Add	3.56	
			For 4" Or 6" WG (Class A), Add	9.48	
			For Work In Restricted Working Space, Add	7.11	
23 31 13 16-0058	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Connector	29.90	
			For 3" WG (Class B), Add	3.97	
			For 4" Or 6" WG (Class A), Add	10.59	
			For Work In Restricted Working Space, Add	7.94	
23 31 13 16-0059	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Connector	41.13	
			For 3" WG (Class B), Add	5.55	
			For 4" Or 6" WG (Class A), Add	14.80	
			For Work In Restricted Working Space, Add	11.10	
23 31 13 16-0060	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Connector	46.91	
			For 3" WG (Class B), Add	6.32	
			For 4" Or 6" WG (Class A), Add	16.84	
			For Work In Restricted Working Space, Add	12.63	
23 31 13 16-0061	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round Connector	51.53	
			For 3" WG (Class B), Add	6.92	
			For 4" Or 6" WG (Class A), Add	18.46	
			For Work In Restricted Working Space, Add	13.85	
23 31 13 16-0062			Slip Joint, Galvanized, Spiral Duct And Fittings <small>(23 31 13 16)</small>		
23 31 13 16-0063			Slip Joint, Galvanized, Spiral Duct <small>(23 31 13 16-0062)</small>		
23 31 13 16-0064	LF		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	7.03	1.07
			For 3" WG (Class B), Add	0.86	
			For 4" Or 6" WG (Class A), Add	2.28	
			For 24 Gauge, Add	0.26	
			For 22 Gauge, Add	0.61	
			For 20 Gauge, Add	0.99	
			For 18 Gauge, Add	1.52	
			For 16 Gauge, Add	1.85	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.98	
			For Work In Restricted Working Space, Add	1.71	
23 31 13 16-0065	LF		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	8.75	2.13
			For 3" WG (Class B), Add	1.03	
			For 4" Or 6" WG (Class A), Add	2.74	
			For 24 Gauge, Add	0.38	
			For 22 Gauge, Add	0.87	
			For 20 Gauge, Add	1.43	
			For 18 Gauge, Add	2.19	
			For 16 Gauge, Add	2.66	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.41	
			For Work In Restricted Working Space, Add	2.06	
23 31 13 16-0066	LF		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	11.00	2.13
			For 3" WG (Class B), Add	1.27	
			For 4" Or 6" WG (Class A), Add	3.40	
			For 24 Gauge, Add	0.50	
			For 22 Gauge, Add	1.15	
			For 20 Gauge, Add	1.88	
			For 18 Gauge, Add	2.89	
			For 16 Gauge, Add	3.51	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.86	
			For Work In Restricted Working Space, Add	2.55	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0067	LF	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	13.29	2.13
		For 3" WG (Class B), Add	1.53	
		For 4" Or 6" WG (Class A), Add	4.08	
		For 24 Gauge, Add	0.62	
		For 22 Gauge, Add	1.42	
		For 20 Gauge, Add	2.32	
		For 18 Gauge, Add	3.55	
		For 16 Gauge, Add	4.33	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.29	
		For Work In Restricted Working Space, Add	3.06	
23 31 13 16-0068	LF	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	16.59	3.20
		For 3" WG (Class B), Add	1.92	
		For 4" Or 6" WG (Class A), Add	5.11	
		For 24 Gauge, Add	0.76	
		For 22 Gauge, Add	1.75	
		For 20 Gauge, Add	2.86	
		For 18 Gauge, Add	4.38	
		For 16 Gauge, Add	5.33	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.82	
		For Work In Restricted Working Space, Add	3.83	
23 31 13 16-0069	LF	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	20.38	3.20
		For 3" WG (Class B), Add	2.40	
		For 4" Or 6" WG (Class A), Add	6.39	
		For 24 Gauge, Add	0.88	
		For 22 Gauge, Add	2.03	
		For 20 Gauge, Add	3.31	
		For 18 Gauge, Add	5.07	
		For 16 Gauge, Add	6.17	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.26	
		For Work In Restricted Working Space, Add	4.79	
23 31 13 16-0070	LF	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	27.68	3.20
		For 3" WG (Class B), Add	3.19	
		For 4" Or 6" WG (Class A), Add	8.51	
		For 24 Gauge, Add	1.28	
		For 22 Gauge, Add	2.95	
		For 20 Gauge, Add	4.81	
		For 18 Gauge, Add	7.37	
		For 16 Gauge, Add	8.97	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.74	
		For Work In Restricted Working Space, Add	6.38	
23 31 13 16-0071	LF	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	31.89	4.26
		For 3" WG (Class B), Add	3.72	
		For 4" Or 6" WG (Class A), Add	9.92	
		For 24 Gauge, Add	1.42	
		For 22 Gauge, Add	3.27	
		For 20 Gauge, Add	5.33	
		For 18 Gauge, Add	8.17	
		For 16 Gauge, Add	9.94	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.25	
		For Work In Restricted Working Space, Add	7.44	
23 31 13 16-0072	LF	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	36.07	4.26
		For 3" WG (Class B), Add	4.22	
		For 4" Or 6" WG (Class A), Add	11.26	
		For 24 Gauge, Add	1.58	
		For 22 Gauge, Add	3.64	
		For 20 Gauge, Add	5.94	
		For 18 Gauge, Add	9.11	
		For 16 Gauge, Add	11.09	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.86	
		For Work In Restricted Working Space, Add	8.45	
23 31 13 16-0073	LF	22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	40.47	5.33
		For 3" WG (Class B), Add	4.76	
		For 4" Or 6" WG (Class A), Add	12.68	
		For 24 Gauge, Add	1.75	
		For 22 Gauge, Add	4.03	
		For 20 Gauge, Add	6.57	
		For 18 Gauge, Add	10.07	
		For 16 Gauge, Add	12.26	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.48	
		For Work In Restricted Working Space, Add	9.51	
23 31 13 16-0074	LF	24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	45.01	6.38
		For 3" WG (Class B), Add	5.32	
		For 4" Or 6" WG (Class A), Add	14.20	
		For 24 Gauge, Add	1.90	
		For 22 Gauge, Add	4.38	
		For 20 Gauge, Add	7.14	
		For 18 Gauge, Add	10.95	
		For 16 Gauge, Add	13.33	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.04	
		For Work In Restricted Working Space, Add	10.65	

23 31 13 16-0075 Slip Joint, Galvanized, Spiral 90 Degree Elbows (23 31 13 16-0062)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 16-0076	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	66.06	14.91
			For 3" WG (Class B), Add	8.63	
			For 4" Or 6" WG (Class A), Add	23.02	
			For 24 Gauge, Add	1.70	
			For 22 Gauge, Add	3.91	
			For 20 Gauge, Add	6.38	
			For 18 Gauge, Add	9.79	
			For 16 Gauge, Add	11.91	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.30	
			For Work In Restricted Working Space, Add	17.27	
23 31	13 16-0077	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	97.26	21.29
			For 3" WG (Class B), Add	12.78	
			For 4" Or 6" WG (Class A), Add	34.07	
			For 24 Gauge, Add	2.42	
			For 22 Gauge, Add	5.56	
			For 20 Gauge, Add	9.06	
			For 18 Gauge, Add	13.89	
			For 16 Gauge, Add	16.91	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.94	
			For Work In Restricted Working Space, Add	25.55	
23 31	13 16-0078	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	135.11	27.68
			For 3" WG (Class B), Add	16.81	
			For 4" Or 6" WG (Class A), Add	44.83	
			For 24 Gauge, Add	4.61	
			For 22 Gauge, Add	10.60	
			For 20 Gauge, Add	17.28	
			For 18 Gauge, Add	26.50	
			For 16 Gauge, Add	32.26	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.05	
			For Work In Restricted Working Space, Add	33.62	
23 31	13 16-0079	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	169.08	35.13
			For 3" WG (Class B), Add	21.29	
			For 4" Or 6" WG (Class A), Add	56.78	
			For 24 Gauge, Add	5.43	
			For 22 Gauge, Add	12.48	
			For 20 Gauge, Add	20.35	
			For 18 Gauge, Add	31.20	
			For 16 Gauge, Add	37.98	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.08	
			For Work In Restricted Working Space, Add	42.59	
23 31	13 16-0080	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	209.31	44.71
			For 3" WG (Class B), Add	26.62	
			For 4" Or 6" WG (Class A), Add	70.98	
			For 24 Gauge, Add	6.37	
			For 22 Gauge, Add	14.66	
			For 20 Gauge, Add	23.90	
			For 18 Gauge, Add	36.64	
			For 16 Gauge, Add	44.60	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.58	
			For Work In Restricted Working Space, Add	53.24	
23 31	13 16-0081	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	229.03	48.98
			For 3" WG (Class B), Add	29.04	
			For 4" Or 6" WG (Class A), Add	77.43	
			For 24 Gauge, Add	7.09	
			For 22 Gauge, Add	16.31	
			For 20 Gauge, Add	26.60	
			For 18 Gauge, Add	40.78	
			For 16 Gauge, Add	49.64	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.24	
			For Work In Restricted Working Space, Add	58.07	
23 31	13 16-0082	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	270.46	57.49
			For 3" WG (Class B), Add	34.34	
			For 4" Or 6" WG (Class A), Add	91.58	
			For 24 Gauge, Add	8.30	
			For 22 Gauge, Add	19.09	
			For 20 Gauge, Add	31.13	
			For 18 Gauge, Add	47.73	
			For 16 Gauge, Add	58.10	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.71	
			For Work In Restricted Working Space, Add	68.69	
23 31	13 16-0083	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	331.67	71.33
			For 3" WG (Class B), Add	42.59	
			For 4" Or 6" WG (Class A), Add	113.56	
			For 24 Gauge, Add	9.55	
			For 22 Gauge, Add	21.97	
			For 20 Gauge, Add	35.82	
			For 18 Gauge, Add	54.92	
			For 16 Gauge, Add	66.86	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.34	
			For Work In Restricted Working Space, Add	85.17	
23 31	13 16-0084	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	399.81	86.24
			For 3" WG (Class B), Add	51.52	
			For 4" Or 6" WG (Class A), Add	137.38	
			For 24 Gauge, Add	11.27	
			For 22 Gauge, Add	25.93	
			For 20 Gauge, Add	42.28	
			For 18 Gauge, Add	64.83	
			For 16 Gauge, Add	78.92	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	41.71	
			For Work In Restricted Working Space, Add	103.03	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0085	EA		22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	465.74	100.08
			For 3" WG (Class B), Add	60.26	
			For 4" Or 6" WG (Class A), Add	160.70	
			For 24 Gauge, Add	12.80	
			For 22 Gauge, Add	29.43	
			For 20 Gauge, Add	47.99	
			For 18 Gauge, Add	73.58	
			For 16 Gauge, Add	89.57	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	47.35	
			For Work In Restricted Working Space, Add	120.53	
23 31 13 16-0086	EA		24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	532.01	113.92
			For 3" WG (Class B), Add	67.96	
			For 4" Or 6" WG (Class A), Add	181.22	
			For 24 Gauge, Add	15.79	
			For 22 Gauge, Add	36.32	
			For 20 Gauge, Add	59.22	
			For 18 Gauge, Add	90.80	
			For 16 Gauge, Add	110.54	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	58.43	
			For Work In Restricted Working Space, Add	135.92	
23 31 13 16-0087			Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows <small>(23 31 13 16-0062)</small>		
23 31 13 16-0088	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	66.46	14.91
			For 3" WG (Class B), Add	8.63	
			For 4" Or 6" WG (Class A), Add	23.02	
			For 24 Gauge, Add	1.78	
			For 22 Gauge, Add	4.10	
			For 20 Gauge, Add	6.68	
			For 18 Gauge, Add	10.25	
			For 16 Gauge, Add	12.47	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.59	
			For Work In Restricted Working Space, Add	17.27	
23 31 13 16-0089	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	95.19	21.29
			For 3" WG (Class B), Add	12.78	
			For 4" Or 6" WG (Class A), Add	34.07	
			For 24 Gauge, Add	2.00	
			For 22 Gauge, Add	4.60	
			For 20 Gauge, Add	7.51	
			For 18 Gauge, Add	11.51	
			For 16 Gauge, Add	14.01	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.41	
			For Work In Restricted Working Space, Add	25.55	
23 31 13 16-0090	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	125.49	27.68
			For 3" WG (Class B), Add	16.81	
			For 4" Or 6" WG (Class A), Add	44.83	
			For 24 Gauge, Add	2.68	
			For 22 Gauge, Add	6.17	
			For 20 Gauge, Add	10.07	
			For 18 Gauge, Add	15.43	
			For 16 Gauge, Add	18.79	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.93	
			For Work In Restricted Working Space, Add	33.62	
23 31 13 16-0091	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	158.73	35.13
			For 3" WG (Class B), Add	21.29	
			For 4" Or 6" WG (Class A), Add	56.78	
			For 24 Gauge, Add	3.36	
			For 22 Gauge, Add	7.72	
			For 20 Gauge, Add	12.59	
			For 18 Gauge, Add	19.30	
			For 16 Gauge, Add	23.49	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.42	
			For Work In Restricted Working Space, Add	42.59	
23 31 13 16-0092	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	196.95	44.71
			For 3" WG (Class B), Add	26.62	
			For 4" Or 6" WG (Class A), Add	70.98	
			For 24 Gauge, Add	3.90	
			For 22 Gauge, Add	8.97	
			For 20 Gauge, Add	14.63	
			For 18 Gauge, Add	22.43	
			For 16 Gauge, Add	27.30	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.43	
			For Work In Restricted Working Space, Add	53.24	
23 31 13 16-0093	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	215.25	48.98
			For 3" WG (Class B), Add	29.04	
			For 4" Or 6" WG (Class A), Add	77.43	
			For 24 Gauge, Add	4.34	
			For 22 Gauge, Add	9.97	
			For 20 Gauge, Add	16.26	
			For 18 Gauge, Add	24.93	
			For 16 Gauge, Add	30.35	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.04	
			For Work In Restricted Working Space, Add	58.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0094	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	264.49	57.49
			For 3" WG (Class B), Add	34.34	
			For 4" Or 6" WG (Class A), Add	91.58	
			For 24 Gauge, Add	7.11	
			For 22 Gauge, Add	16.34	
			For 20 Gauge, Add	26.65	
			For 18 Gauge, Add	40.86	
			For 16 Gauge, Add	49.74	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.29	
			For Work In Restricted Working Space, Add	68.69	
23 31 13 16-0095	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	327.44	71.33
			For 3" WG (Class B), Add	42.59	
			For 4" Or 6" WG (Class A), Add	113.56	
			For 24 Gauge, Add	8.71	
			For 22 Gauge, Add	20.02	
			For 20 Gauge, Add	32.65	
			For 18 Gauge, Add	50.06	
			For 16 Gauge, Add	60.94	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.21	
			For Work In Restricted Working Space, Add	85.17	
23 31 13 16-0096	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	398.52	86.24
			For 3" WG (Class B), Add	51.52	
			For 4" Or 6" WG (Class A), Add	137.38	
			For 24 Gauge, Add	11.02	
			For 22 Gauge, Add	25.34	
			For 20 Gauge, Add	41.31	
			For 18 Gauge, Add	63.34	
			For 16 Gauge, Add	77.11	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.76	
			For Work In Restricted Working Space, Add	103.03	
23 31 13 16-0097	EA		22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	451.06	100.08
			For 3" WG (Class B), Add	60.26	
			For 4" Or 6" WG (Class A), Add	160.70	
			For 24 Gauge, Add	9.86	
			For 22 Gauge, Add	22.68	
			For 20 Gauge, Add	36.98	
			For 18 Gauge, Add	56.70	
			For 16 Gauge, Add	69.02	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	36.48	
			For Work In Restricted Working Space, Add	120.53	
23 31 13 16-0098	EA		24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	526.78	113.92
			For 3" WG (Class B), Add	67.96	
			For 4" Or 6" WG (Class A), Add	181.22	
			For 24 Gauge, Add	14.75	
			For 22 Gauge, Add	33.92	
			For 20 Gauge, Add	55.30	
			For 18 Gauge, Add	84.79	
			For 16 Gauge, Add	103.22	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	54.56	
			For Work In Restricted Working Space, Add	135.92	
23 31 13 16-0099			Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals (23 31 13 16-0062)		
23 31 13 16-0100	EA		6" x 6" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	131.22	27.68
			For 3" WG (Class B), Add	16.81	
			For 4" Or 6" WG (Class A), Add	44.83	
			For 24 Gauge, Add	3.83	
			For 22 Gauge, Add	8.81	
			For 20 Gauge, Add	14.36	
			For 18 Gauge, Add	22.02	
			For 16 Gauge, Add	26.81	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.17	
			For Work In Restricted Working Space, Add	33.62	
23 31 13 16-0101	EA		8" x 8" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	197.53	44.71
			For 3" WG (Class B), Add	26.62	
			For 4" Or 6" WG (Class A), Add	70.98	
			For 24 Gauge, Add	4.02	
			For 22 Gauge, Add	9.24	
			For 20 Gauge, Add	15.06	
			For 18 Gauge, Add	23.09	
			For 16 Gauge, Add	28.11	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.86	
			For Work In Restricted Working Space, Add	53.24	
23 31 13 16-0102	EA		10" x 10" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	251.00	57.49
			For 3" WG (Class B), Add	34.34	
			For 4" Or 6" WG (Class A), Add	91.58	
			For 24 Gauge, Add	4.41	
			For 22 Gauge, Add	10.14	
			For 20 Gauge, Add	16.53	
			For 18 Gauge, Add	25.35	
			For 16 Gauge, Add	30.86	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.31	
			For Work In Restricted Working Space, Add	68.69	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0103	EA	12" x 12" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	306.94	71.33
		For 3" WG (Class B), Add	42.59	
		For 4" Or 6" WG (Class A), Add	113.56	
		For 24 Gauge, Add	4.61	
		For 22 Gauge, Add	10.59	
		For 20 Gauge, Add	17.27	
		For 18 Gauge, Add	26.48	
		For 16 Gauge, Add	32.24	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.04	
		For Work In Restricted Working Space, Add	85.17	
23 31 13 16-0104	EA	14" x 14" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	367.22	86.24
		For 3" WG (Class B), Add	51.52	
		For 4" Or 6" WG (Class A), Add	137.38	
		For 24 Gauge, Add	4.76	
		For 22 Gauge, Add	10.94	
		For 20 Gauge, Add	17.84	
		For 18 Gauge, Add	27.35	
		For 16 Gauge, Add	33.29	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.60	
		For Work In Restricted Working Space, Add	103.03	
23 31 13 16-0105	EA	16" x 16" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	427.62	100.08
		For 3" WG (Class B), Add	60.26	
		For 4" Or 6" WG (Class A), Add	160.70	
		For 24 Gauge, Add	5.17	
		For 22 Gauge, Add	11.90	
		For 20 Gauge, Add	19.40	
		For 18 Gauge, Add	29.74	
		For 16 Gauge, Add	36.20	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.14	
		For Work In Restricted Working Space, Add	120.53	
23 31 13 16-0106	EA	18" x 18" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	479.96	113.92
		For 3" WG (Class B), Add	67.96	
		For 4" Or 6" WG (Class A), Add	181.22	
		For 24 Gauge, Add	5.38	
		For 22 Gauge, Add	12.38	
		For 20 Gauge, Add	20.18	
		For 18 Gauge, Add	30.95	
		For 16 Gauge, Add	37.67	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.91	
		For Work In Restricted Working Space, Add	135.92	
23 31 13 16-0107	EA	20" x 20" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	547.23	129.89
		For 3" WG (Class B), Add	77.90	
		For 4" Or 6" WG (Class A), Add	207.74	
		For 24 Gauge, Add	5.58	
		For 22 Gauge, Add	12.83	
		For 20 Gauge, Add	20.92	
		For 18 Gauge, Add	32.07	
		For 16 Gauge, Add	39.05	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.64	
		For Work In Restricted Working Space, Add	155.80	
23 31 13 16-0108	EA	22" x 22" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	609.06	143.73
		For 3" WG (Class B), Add	86.33	
		For 4" Or 6" WG (Class A), Add	230.20	
		For 24 Gauge, Add	6.71	
		For 22 Gauge, Add	15.44	
		For 20 Gauge, Add	25.17	
		For 18 Gauge, Add	38.59	
		For 16 Gauge, Add	46.98	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.83	
		For Work In Restricted Working Space, Add	172.65	
23 31 13 16-0109	EA	24" x 24" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	660.93	156.51
		For 3" WG (Class B), Add	93.94	
		For 4" Or 6" WG (Class A), Add	250.51	
		For 24 Gauge, Add	6.93	
		For 22 Gauge, Add	15.94	
		For 20 Gauge, Add	26.00	
		For 18 Gauge, Add	39.86	
		For 16 Gauge, Add	48.52	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.65	
		For Work In Restricted Working Space, Add	187.88	
23 31 13 16-0110	EA	8" x 8" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	209.88	48.23
		For 3" WG (Class B), Add	28.95	
		For 4" Or 6" WG (Class A), Add	77.20	
		For 24 Gauge, Add	3.37	
		For 22 Gauge, Add	7.76	
		For 20 Gauge, Add	12.65	
		For 18 Gauge, Add	19.40	
		For 16 Gauge, Add	23.62	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.48	
		For Work In Restricted Working Space, Add	57.90	

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

23 31 13 16-0111	EA		10" x 10" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	253.35	58.02
			Lateral		
			For 3" WG (Class B), Add	34.81	
			For 4" Or 6" WG (Class A), Add	92.82	
			For 24 Gauge, Add	4.26	
			For 22 Gauge, Add	9.80	
			For 20 Gauge, Add	15.98	
			For 18 Gauge, Add	24.50	
			For 16 Gauge, Add	29.82	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.76	
			For Work In Restricted Working Space, Add	69.62	
23 31 13 16-0112	EA		12" x 12" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	307.80	70.48
			Lateral		
			For 3" WG (Class B), Add	42.29	
			For 4" Or 6" WG (Class A), Add	112.78	
			For 24 Gauge, Add	5.17	
			For 22 Gauge, Add	11.89	
			For 20 Gauge, Add	19.39	
			For 18 Gauge, Add	29.73	
			For 16 Gauge, Add	36.19	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.13	
			For Work In Restricted Working Space, Add	84.59	
23 31 13 16-0113	EA		14" x 14" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	366.43	83.79
			Lateral		
			For 3" WG (Class B), Add	50.35	
			For 4" Or 6" WG (Class A), Add	134.26	
			For 24 Gauge, Add	6.16	
			For 22 Gauge, Add	14.16	
			For 20 Gauge, Add	23.09	
			For 18 Gauge, Add	35.41	
			For 16 Gauge, Add	43.11	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.78	
			For Work In Restricted Working Space, Add	100.69	
23 31 13 16-0114	EA		16" x 16" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	466.38	107.74
			Lateral		
			For 3" WG (Class B), Add	64.60	
			For 4" Or 6" WG (Class A), Add	172.28	
			For 24 Gauge, Add	7.14	
			For 22 Gauge, Add	16.42	
			For 20 Gauge, Add	26.77	
			For 18 Gauge, Add	41.04	
			For 16 Gauge, Add	49.97	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.41	
			For Work In Restricted Working Space, Add	129.21	
23 31 13 16-0115	EA		18" x 18" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	517.85	119.56
			Lateral		
			For 3" WG (Class B), Add	71.68	
			For 4" Or 6" WG (Class A), Add	191.14	
			For 24 Gauge, Add	8.00	
			For 22 Gauge, Add	18.40	
			For 20 Gauge, Add	29.99	
			For 18 Gauge, Add	45.99	
			For 16 Gauge, Add	55.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.59	
			For Work In Restricted Working Space, Add	143.36	
23 31 13 16-0116	EA		20" x 20" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	588.72	136.06
			Lateral		
			For 3" WG (Class B), Add	81.48	
			For 4" Or 6" WG (Class A), Add	217.28	
			For 24 Gauge, Add	9.10	
			For 22 Gauge, Add	20.94	
			For 20 Gauge, Add	34.14	
			For 18 Gauge, Add	52.35	
			For 16 Gauge, Add	63.73	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.68	
			For Work In Restricted Working Space, Add	162.96	
23 31 13 16-0117	EA		22" x 22" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	630.61	145.12
			Lateral		
			For 3" WG (Class B), Add	86.98	
			For 4" Or 6" WG (Class A), Add	231.95	
			For 24 Gauge, Add	10.15	
			For 22 Gauge, Add	23.34	
			For 20 Gauge, Add	38.05	
			For 18 Gauge, Add	58.34	
			For 16 Gauge, Add	71.02	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.54	
			For Work In Restricted Working Space, Add	173.96	
23 31 13 16-0118	EA		24" x 24" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	684.20	157.35
			Lateral		
			For 3" WG (Class B), Add	94.38	
			For 4" Or 6" WG (Class A), Add	251.69	
			For 24 Gauge, Add	10.99	
			For 22 Gauge, Add	25.29	
			For 20 Gauge, Add	41.23	
			For 18 Gauge, Add	63.22	
			For 16 Gauge, Add	76.96	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.68	
			For Work In Restricted Working Space, Add	188.77	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0119	EA 10" x 10" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	277.62	63.88
	For 3" WG (Class B), Add	38.28	
	For 4" Or 6" WG (Class A), Add	102.08	
	For 24 Gauge, Add	4.49	
	For 22 Gauge, Add	10.32	
	For 20 Gauge, Add	16.82	
	For 18 Gauge, Add	25.79	
	For 16 Gauge, Add	31.40	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.60	
	For Work In Restricted Working Space, Add	76.56	
23 31 13 16-0120	EA 12" x 12" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	337.42	77.72
	For 3" WG (Class B), Add	46.53	
	For 4" Or 6" WG (Class A), Add	124.09	
	For 24 Gauge, Add	5.44	
	For 22 Gauge, Add	12.51	
	For 20 Gauge, Add	20.40	
	For 18 Gauge, Add	31.28	
	For 16 Gauge, Add	38.08	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.13	
	For Work In Restricted Working Space, Add	93.07	
23 31 13 16-0121	EA 14" x 14" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	401.58	92.09
	For 3" WG (Class B), Add	55.37	
	For 4" Or 6" WG (Class A), Add	147.66	
	For 24 Gauge, Add	6.48	
	For 22 Gauge, Add	14.91	
	For 20 Gauge, Add	24.32	
	For 18 Gauge, Add	37.28	
	For 16 Gauge, Add	45.39	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.99	
	For Work In Restricted Working Space, Add	110.75	
23 31 13 16-0122	EA 16" x 16" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	466.18	107.32
	For 3" WG (Class B), Add	64.29	
	For 4" Or 6" WG (Class A), Add	171.44	
	For 24 Gauge, Add	7.51	
	For 22 Gauge, Add	17.28	
	For 20 Gauge, Add	28.18	
	For 18 Gauge, Add	43.21	
	For 16 Gauge, Add	52.60	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.80	
	For Work In Restricted Working Space, Add	128.58	
23 31 13 16-0123	EA 18" x 18" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	521.67	119.99
	For 3" WG (Class B), Add	71.94	
	For 4" Or 6" WG (Class A), Add	191.83	
	For 24 Gauge, Add	8.42	
	For 22 Gauge, Add	19.36	
	For 20 Gauge, Add	31.57	
	For 18 Gauge, Add	48.40	
	For 16 Gauge, Add	58.93	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.15	
	For Work In Restricted Working Space, Add	143.87	
23 31 13 16-0124	EA 20" x 20" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	593.33	136.49
	For 3" WG (Class B), Add	81.81	
	For 4" Or 6" WG (Class A), Add	218.17	
	For 24 Gauge, Add	9.58	
	For 22 Gauge, Add	22.04	
	For 20 Gauge, Add	35.93	
	For 18 Gauge, Add	55.10	
	For 16 Gauge, Add	67.07	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.45	
	For Work In Restricted Working Space, Add	163.63	
23 31 13 16-0125	EA 22" x 22" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	662.47	152.25
	For 3" WG (Class B), Add	91.36	
	For 4" Or 6" WG (Class A), Add	243.63	
	For 24 Gauge, Add	10.68	
	For 22 Gauge, Add	24.56	
	For 20 Gauge, Add	40.05	
	For 18 Gauge, Add	61.41	
	For 16 Gauge, Add	74.76	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	39.52	
	For Work In Restricted Working Space, Add	182.72	
23 31 13 16-0126	EA 24" x 24" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	718.32	165.23
	For 3" WG (Class B), Add	99.07	
	For 4" Or 6" WG (Class A), Add	264.18	
	For 24 Gauge, Add	11.57	
	For 22 Gauge, Add	26.62	
	For 20 Gauge, Add	43.40	
	For 18 Gauge, Add	66.54	
	For 16 Gauge, Add	81.00	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.82	
	For Work In Restricted Working Space, Add	198.14	

23 31 13 16-0127 Slip Joint, Galvanized, Spiral Duct Reducers (23 31 13 16-0062)

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 31 13 16-0128	EA	6" x 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	92.07	21.29
		For 3" WG (Class B), Add	12.78	
		For 4" Or 6" WG (Class A), Add	34.07	
		For 24 Gauge, Add	1.38	
		For 22 Gauge, Add	3.17	
		For 20 Gauge, Add	5.17	
		For 18 Gauge, Add	7.92	
		For 16 Gauge, Add	9.65	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.10	
		For Work In Restricted Working Space, Add	25.55	
23 31 13 16-0129	EA	8" x 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	119.65	27.68
		For 3" WG (Class B), Add	16.81	
		For 4" Or 6" WG (Class A), Add	44.83	
		For 24 Gauge, Add	1.52	
		For 22 Gauge, Add	3.49	
		For 20 Gauge, Add	5.69	
		For 18 Gauge, Add	8.72	
		For 16 Gauge, Add	10.61	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.61	
		For Work In Restricted Working Space, Add	33.62	
23 31 13 16-0130	EA	10" x 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	150.34	35.13
		For 3" WG (Class B), Add	21.29	
		For 4" Or 6" WG (Class A), Add	56.78	
		For 24 Gauge, Add	1.68	
		For 22 Gauge, Add	3.86	
		For 20 Gauge, Add	6.29	
		For 18 Gauge, Add	9.65	
		For 16 Gauge, Add	11.75	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.21	
		For Work In Restricted Working Space, Add	42.59	
23 31 13 16-0131	EA	12" x 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	186.65	44.71
		For 3" WG (Class B), Add	26.62	
		For 4" Or 6" WG (Class A), Add	70.98	
		For 24 Gauge, Add	1.84	
		For 22 Gauge, Add	4.23	
		For 20 Gauge, Add	6.90	
		For 18 Gauge, Add	10.58	
		For 16 Gauge, Add	12.88	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.81	
		For Work In Restricted Working Space, Add	53.24	
23 31 13 16-0132	EA	14" x 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	203.81	48.98
		For 3" WG (Class B), Add	29.04	
		For 4" Or 6" WG (Class A), Add	77.43	
		For 24 Gauge, Add	2.05	
		For 22 Gauge, Add	4.71	
		For 20 Gauge, Add	7.68	
		For 18 Gauge, Add	11.78	
		For 16 Gauge, Add	14.34	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.58	
		For Work In Restricted Working Space, Add	58.07	
23 31 13 16-0133	EA	16" x 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	246.67	57.49
		For 3" WG (Class B), Add	34.34	
		For 4" Or 6" WG (Class A), Add	91.58	
		For 24 Gauge, Add	3.54	
		For 22 Gauge, Add	8.15	
		For 20 Gauge, Add	13.28	
		For 18 Gauge, Add	20.37	
		For 16 Gauge, Add	24.79	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.11	
		For Work In Restricted Working Space, Add	68.69	
23 31 13 16-0134	EA	18" x 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	302.83	71.33
		For 3" WG (Class B), Add	42.59	
		For 4" Or 6" WG (Class A), Add	113.56	
		For 24 Gauge, Add	3.78	
		For 22 Gauge, Add	8.70	
		For 20 Gauge, Add	14.19	
		For 18 Gauge, Add	21.76	
		For 16 Gauge, Add	26.49	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.00	
		For Work In Restricted Working Space, Add	85.17	
23 31 13 16-0135	EA	20" x 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	363.63	86.24
		For 3" WG (Class B), Add	51.52	
		For 4" Or 6" WG (Class A), Add	137.38	
		For 24 Gauge, Add	4.04	
		For 22 Gauge, Add	9.29	
		For 20 Gauge, Add	15.14	
		For 18 Gauge, Add	23.22	
		For 16 Gauge, Add	28.27	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.94	
		For Work In Restricted Working Space, Add	103.03	
23 31 13 16-0136	EA	22" x 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	423.23	100.08
		For 3" WG (Class B), Add	60.26	
		For 4" Or 6" WG (Class A), Add	160.70	
		For 24 Gauge, Add	4.29	
		For 22 Gauge, Add	9.88	
		For 20 Gauge, Add	16.10	
		For 18 Gauge, Add	24.69	
		For 16 Gauge, Add	30.06	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.89	
		For Work In Restricted Working Space, Add	120.53	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0137	EA	24" x 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	475.67	113.92
		<i>For 3" WG (Class B), Add</i>	67.96	
		<i>For 4" Or 6" WG (Class A), Add</i>	181.22	
		<i>For 24 Gauge, Add</i>	4.52	
		<i>For 22 Gauge, Add</i>	10.41	
		<i>For 20 Gauge, Add</i>	16.97	
		<i>For 18 Gauge, Add</i>	26.01	
		<i>For 16 Gauge, Add</i>	31.67	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	16.74	
		<i>For Work In Restricted Working Space, Add</i>	135.92	
23 31 13 16-0138		Slip Joint, Galvanized, Spiral Duct Couplings (23 31 13 16-0062)		
23 31 13 16-0139	EA	4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	60.81	14.91
		<i>For 3" WG (Class B), Add</i>	8.63	
		<i>For 4" Or 6" WG (Class A), Add</i>	23.02	
		<i>For 24 Gauge, Add</i>	0.65	
		<i>For 22 Gauge, Add</i>	1.50	
		<i>For 20 Gauge, Add</i>	2.45	
		<i>For 18 Gauge, Add</i>	3.75	
		<i>For 16 Gauge, Add</i>	4.56	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.41	
		<i>For Work In Restricted Working Space, Add</i>	17.27	
23 31 13 16-0140	EA	8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	88.88	21.29
		<i>For 3" WG (Class B), Add</i>	12.78	
		<i>For 4" Or 6" WG (Class A), Add</i>	34.07	
		<i>For 24 Gauge, Add</i>	0.74	
		<i>For 22 Gauge, Add</i>	1.70	
		<i>For 20 Gauge, Add</i>	2.78	
		<i>For 18 Gauge, Add</i>	4.26	
		<i>For 16 Gauge, Add</i>	5.18	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.74	
		<i>For Work In Restricted Working Space, Add</i>	25.55	
23 31 13 16-0141	EA	8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	116.06	27.68
		<i>For 3" WG (Class B), Add</i>	16.81	
		<i>For 4" Or 6" WG (Class A), Add</i>	44.83	
		<i>For 24 Gauge, Add</i>	0.80	
		<i>For 22 Gauge, Add</i>	1.84	
		<i>For 20 Gauge, Add</i>	2.99	
		<i>For 18 Gauge, Add</i>	4.59	
		<i>For 16 Gauge, Add</i>	5.59	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.95	
		<i>For Work In Restricted Working Space, Add</i>	33.62	
23 31 13 16-0142	EA	10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	146.23	35.13
		<i>For 3" WG (Class B), Add</i>	21.29	
		<i>For 4" Or 6" WG (Class A), Add</i>	56.78	
		<i>For 24 Gauge, Add</i>	0.86	
		<i>For 22 Gauge, Add</i>	1.97	
		<i>For 20 Gauge, Add</i>	3.21	
		<i>For 18 Gauge, Add</i>	4.92	
		<i>For 16 Gauge, Add</i>	5.99	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.17	
		<i>For Work In Restricted Working Space, Add</i>	42.59	
23 31 13 16-0143	EA	12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	182.02	44.71
		<i>For 3" WG (Class B), Add</i>	26.62	
		<i>For 4" Or 6" WG (Class A), Add</i>	70.98	
		<i>For 24 Gauge, Add</i>	0.91	
		<i>For 22 Gauge, Add</i>	2.10	
		<i>For 20 Gauge, Add</i>	3.43	
		<i>For 18 Gauge, Add</i>	5.26	
		<i>For 16 Gauge, Add</i>	6.40	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.38	
		<i>For Work In Restricted Working Space, Add</i>	53.24	
23 31 13 16-0144	EA	14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	198.43	48.98
		<i>For 3" WG (Class B), Add</i>	29.04	
		<i>For 4" Or 6" WG (Class A), Add</i>	77.43	
		<i>For 24 Gauge, Add</i>	0.97	
		<i>For 22 Gauge, Add</i>	2.24	
		<i>For 20 Gauge, Add</i>	3.65	
		<i>For 18 Gauge, Add</i>	5.59	
		<i>For 16 Gauge, Add</i>	6.80	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.60	
		<i>For Work In Restricted Working Space, Add</i>	58.07	
23 31 13 16-0145	EA	16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	234.34	57.49
		<i>For 3" WG (Class B), Add</i>	34.34	
		<i>For 4" Or 6" WG (Class A), Add</i>	91.58	
		<i>For 24 Gauge, Add</i>	1.08	
		<i>For 22 Gauge, Add</i>	2.47	
		<i>For 20 Gauge, Add</i>	4.04	
		<i>For 18 Gauge, Add</i>	6.19	
		<i>For 16 Gauge, Add</i>	7.53	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.98	
		<i>For Work In Restricted Working Space, Add</i>	68.69	

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

23 31 13 16-0146	EA	18"	26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	289.58	71.33
			For 3" WG (Class B), Add	42.59	
			For 4" Or 6" WG (Class A), Add	113.56	
			For 24 Gauge, Add	1.13	
			For 22 Gauge, Add	2.61	
			For 20 Gauge, Add	4.25	
			For 18 Gauge, Add	6.52	
			For 16 Gauge, Add	7.94	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.20	
			For Work In Restricted Working Space, Add	85.17	
23 31 13 16-0147	EA	20"	26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	349.46	86.24
			For 3" WG (Class B), Add	51.52	
			For 4" Or 6" WG (Class A), Add	137.38	
			For 24 Gauge, Add	1.20	
			For 22 Gauge, Add	2.77	
			For 20 Gauge, Add	4.52	
			For 18 Gauge, Add	6.92	
			For 16 Gauge, Add	8.43	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.45	
			For Work In Restricted Working Space, Add	103.03	
23 31 13 16-0148	EA	22"	26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	408.01	201.22
			For 3" WG (Class B), Add	60.26	
			For 4" Or 6" WG (Class A), Add	160.70	
			For 24 Gauge, Add	1.25	
			For 22 Gauge, Add	2.88	
			For 20 Gauge, Add	4.69	
			For 18 Gauge, Add	7.19	
			For 16 Gauge, Add	8.75	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.63	
			For Work In Restricted Working Space, Add	120.53	
23 31 13 16-0149	EA	24"	26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	459.65	226.78
			For 3" WG (Class B), Add	67.96	
			For 4" Or 6" WG (Class A), Add	181.22	
			For 24 Gauge, Add	1.32	
			For 22 Gauge, Add	3.04	
			For 20 Gauge, Add	4.95	
			For 18 Gauge, Add	7.59	
			For 16 Gauge, Add	9.24	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.88	
			For Work In Restricted Working Space, Add	135.92	

23 31 13 16-0150 Slip Joint, Galvanized, Spiral Duct Caps (23 31 13 16-0062)

23 31 13 16-0151	EA	4"	26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	32.59	14.91
			For 3" WG (Class B), Add	4.32	
			For 4" Or 6" WG (Class A), Add	11.51	
			For 24 Gauge, Add	0.76	
			For 22 Gauge, Add	1.76	
			For 20 Gauge, Add	2.87	
			For 18 Gauge, Add	4.39	
			For 16 Gauge, Add	5.35	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.83	
			For Work In Restricted Working Space, Add	8.63	
23 31 13 16-0152	EA	6"	26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	46.86	21.29
			For 3" WG (Class B), Add	6.39	
			For 4" Or 6" WG (Class A), Add	17.03	
			For 24 Gauge, Add	0.86	
			For 22 Gauge, Add	1.97	
			For 20 Gauge, Add	3.21	
			For 18 Gauge, Add	4.92	
			For 16 Gauge, Add	5.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.17	
			For Work In Restricted Working Space, Add	12.77	
23 31 13 16-0153	EA	8"	26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	60.72	28.75
			For 3" WG (Class B), Add	8.40	
			For 4" Or 6" WG (Class A), Add	22.41	
			For 24 Gauge, Add	0.94	
			For 22 Gauge, Add	2.16	
			For 20 Gauge, Add	3.52	
			For 18 Gauge, Add	5.39	
			For 16 Gauge, Add	6.57	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.47	
			For Work In Restricted Working Space, Add	16.81	
23 31 13 16-0154	EA	10"	26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	76.19	36.20
			For 3" WG (Class B), Add	10.65	
			For 4" Or 6" WG (Class A), Add	28.39	
			For 24 Gauge, Add	1.04	
			For 22 Gauge, Add	2.40	
			For 20 Gauge, Add	3.91	
			For 18 Gauge, Add	5.99	
			For 16 Gauge, Add	7.29	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.86	
			For Work In Restricted Working Space, Add	21.29	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0155	EA	12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	94.51	44.71
		For 3" WG (Class B), Add	13.31	
		For 4" Or 6" WG (Class A), Add	35.49	
		For 24 Gauge, Add	1.16	
		For 22 Gauge, Add	2.66	
		For 20 Gauge, Add	4.34	
		For 18 Gauge, Add	6.66	
		For 16 Gauge, Add	8.11	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.28	
		For Work In Restricted Working Space, Add	26.62	
23 31 13 16-0156	EA	14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	103.15	48.98
		For 3" WG (Class B), Add	14.52	
		For 4" Or 6" WG (Class A), Add	38.72	
		For 24 Gauge, Add	1.27	
		For 22 Gauge, Add	2.93	
		For 20 Gauge, Add	4.77	
		For 18 Gauge, Add	7.31	
		For 16 Gauge, Add	8.90	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.71	
		For Work In Restricted Working Space, Add	29.04	
23 31 13 16-0157	EA	16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	119.42	56.42
		For 3" WG (Class B), Add	16.81	
		For 4" Or 6" WG (Class A), Add	44.83	
		For 24 Gauge, Add	1.47	
		For 22 Gauge, Add	3.38	
		For 20 Gauge, Add	5.51	
		For 18 Gauge, Add	8.45	
		For 16 Gauge, Add	10.29	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.44	
		For Work In Restricted Working Space, Add	33.62	
23 31 13 16-0158	EA	18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	166.71	71.33
		For 3" WG (Class B), Add	21.29	
		For 4" Or 6" WG (Class A), Add	56.78	
		For 24 Gauge, Add	4.95	
		For 22 Gauge, Add	11.39	
		For 20 Gauge, Add	18.57	
		For 18 Gauge, Add	28.47	
		For 16 Gauge, Add	34.66	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	18.32	
		For Work In Restricted Working Space, Add	42.59	
23 31 13 16-0159	EA	20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	204.30	88.37
		For 3" WG (Class B), Add	26.62	
		For 4" Or 6" WG (Class A), Add	70.98	
		For 24 Gauge, Add	5.37	
		For 22 Gauge, Add	12.35	
		For 20 Gauge, Add	20.14	
		For 18 Gauge, Add	30.88	
		For 16 Gauge, Add	37.59	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.87	
		For Work In Restricted Working Space, Add	53.24	
23 31 13 16-0160	EA	22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	222.50	96.89
		For 3" WG (Class B), Add	29.04	
		For 4" Or 6" WG (Class A), Add	77.43	
		For 24 Gauge, Add	5.79	
		For 22 Gauge, Add	13.31	
		For 20 Gauge, Add	21.70	
		For 18 Gauge, Add	33.27	
		For 16 Gauge, Add	40.50	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.41	
		For Work In Restricted Working Space, Add	58.07	
23 31 13 16-0161	EA	24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	257.59	112.85
		For 3" WG (Class B), Add	33.98	
		For 4" Or 6" WG (Class A), Add	90.61	
		For 24 Gauge, Add	6.21	
		For 22 Gauge, Add	14.29	
		For 20 Gauge, Add	23.30	
		For 18 Gauge, Add	35.73	
		For 16 Gauge, Add	43.50	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.99	
		For Work In Restricted Working Space, Add	67.96	

23 31 13 19 Metal Duct Fittings (23 31 13)**23 31 13 19-0001 Sheet Metal Baffles (23 31 13 19)**

23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor.....	41.62	33.72
		For Work In Restricted Working Space, Add	12.33	

23 31 13 23 Galvanized Steel Welded Duct (23 31 13)

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 23-0001 Welded Steel Ductwork (23 31 13 23)

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen (23 31 13 23-0001)

Note: Also includes special exhaust systems and waste.

23 31 13 23-0003	LB	Galvanized Steel Welded Duct.....	22.67	10.22
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.61	
		For Work In Restricted Working Space, Add	6.15	

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

23 31 13 23-0004	Black Steel Ductwork <small>(23 31 13 23-0001)</small>		
23 31 13 23-0005	LB Black Steel Ductwork.....	21.56	10.54
	<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	0.36	
	<i>For Work In Restricted Working Space, Add</i>	6.32	

23 31 13 33 Duct Boots (23 31 13)

23 31 13 33-0001	Duct Register Boots <small>(23 31 13 33)</small>		
23 31 13 33-0002	EA 10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	34.04	14.45
	<i>For Stainless Steel, Add</i>	6.67	
23 31 13 33-0003	EA 10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	34.04	14.45
	<i>For Stainless Steel, Add</i>	6.67	
23 31 13 33-0004	EA 12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	36.47	15.61
	<i>For Stainless Steel, Add</i>	6.83	
23 31 13 33-0005	EA 12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	36.47	15.61
	<i>For Stainless Steel, Add</i>	6.83	
23 31 13 33-0006	EA 12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	37.73	15.61
	<i>For Stainless Steel, Add</i>	8.46	
23 31 13 33-0007	EA 14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	39.41	16.76
	<i>For Stainless Steel, Add</i>	7.63	
23 31 13 33-0008	EA 14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	39.41	16.76
	<i>For Stainless Steel, Add</i>	7.63	
23 31 13 33-0009	EA 14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	40.20	16.76
	<i>For Stainless Steel, Add</i>	8.66	
23 31 13 33-0010	EA 10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	40.47	17.93
	<i>For Stainless Steel, Add</i>	6.01	
23 31 13 33-0011	EA 12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	42.92	19.08
	<i>For Stainless Steel, Add</i>	6.19	
23 31 13 33-0012	EA 12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	46.14	19.08
	<i>For Stainless Steel, Add</i>	10.37	
23 31 13 33-0013	EA 14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	45.51	20.24
	<i>For Stainless Steel, Add</i>	6.55	
23 31 13 33-0014	EA 14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	48.67	20.24
	<i>For Stainless Steel, Add</i>	10.66	
23 31 13 33-0015	EA 12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel.....	35.70	15.61
	<i>For Stainless Steel, Add</i>	5.82	
23 31 13 33-0016	EA 12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	35.70	15.61
	<i>For Stainless Steel, Add</i>	5.82	
23 31 13 33-0017	EA 14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	38.54	16.76
	<i>For Stainless Steel, Add</i>	6.50	
23 31 13 33-0018	EA 14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel.....	39.29	16.76
	<i>For Stainless Steel, Add</i>	7.48	
23 31 13 33-0019	EA 10" x 4" x 6" Register Boot, Center, Galvanized Steel.....	40.57	17.93
	<i>For Stainless Steel, Add</i>	6.14	
23 31 13 33-0020	EA 12" x 4" x 6" Register Boot, Center, Galvanized Steel.....	43.01	19.08
	<i>For Stainless Steel, Add</i>	6.31	
23 31 13 33-0021	EA 12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	36.22	15.61
	<i>For Stainless Steel, Add</i>	6.50	
23 31 13 33-0022	EA 14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	38.84	16.76
	<i>For Stainless Steel, Add</i>	6.89	
23 31 13 33-0023	EA 10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	34.04	14.45
	<i>For Stainless Steel, Add</i>	6.67	
23 31 13 33-0024	EA 12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	36.47	15.61
	<i>For Stainless Steel, Add</i>	6.83	
23 31 13 33-0025	EA 14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel.....	39.41	16.76
	<i>For Stainless Steel, Add</i>	7.63	
23 31 13 33-0026	EA 14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	39.41	16.76
	<i>For Stainless Steel, Add</i>	7.63	
23 31 13 33-0027	EA 10" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	40.47	17.93
	<i>For Stainless Steel, Add</i>	6.01	
23 31 13 33-0028	EA 12" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	42.92	19.08
	<i>For Stainless Steel, Add</i>	6.19	
23 31 13 33-0029	EA 12" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	46.14	19.08
	<i>For Stainless Steel, Add</i>	10.37	
23 31 13 33-0030	EA 14" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	48.45	20.24
	<i>For Stainless Steel, Add</i>	10.37	

23 31 16 Nonmetal Ducts (23 31)

23 31 16 13 Fibrous-Glass Ducts (23 31 16)

23 31 16 13-0001	Glass Fiber Duct Board <small>(23 31 16 13)</small>		
	Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.		
23 31 16 13-0002	SF 1" Glass Fiber Duct Board (EI-475).....	9.70	2.11
23 31 16 13-0003	SF 1-1/2" Glass Fiber Duct Board (EI-800).....	11.17	2.31
23 31 16 13-0004	SF 2" Glass Fiber Duct Board (EI-800).....	12.73	2.55

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts (23 31 16)

23 31 16 16-0001	Round Fiber Reinforced Plastic Duct <small>(23 31 16 16)</small>		
23 31 16 16-0002	Round Fiber Reinforced Plastic Duct <small>(23 31 16 16-0001)</small>		
23 31 16 16-0003	LF 2" Fiber Reinforced Plastic Duct.....	16.10	6.01

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct.....	19.96	7.02
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct.....	27.44	10.31
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct.....	36.05	13.03
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct.....	45.58	16.32
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct.....	54.92	19.60
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct.....	62.22	22.89
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct.....	70.49	25.04
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct.....	75.99	26.63
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct.....	92.95	29.91
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct.....	98.06	32.06
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct.....	118.40	34.21
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct.....	135.83	39.65
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct.....	157.78	47.81
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct.....	205.85	53.25
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct.....	230.67	59.83
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct.....	257.24	68.55
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct.....	292.99	79.99
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct.....	320.12	97.89
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct.....	390.73	119.64

23 31 16 16-0023 Fiber Reinforced Plastic Bell (23 31 16 16-0001)

23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell.....	68.53	24.36
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell.....	82.56	28.89
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell.....	95.21	33.99
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell.....	125.32	45.32
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell.....	152.93	56.65
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell.....	178.07	67.97
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell.....	220.82	84.40
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell.....	235.97	90.64
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell.....	255.65	96.87
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell.....	275.33	104.24
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell.....	300.89	113.30
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell.....	348.32	124.62
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell.....	403.18	135.96
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell.....	456.99	152.95
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell.....	510.80	169.95
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell.....	564.58	186.94
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell.....	700.87	226.59
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell.....	838.93	283.24
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell.....	1,006.67	339.89
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell.....	1,151.95	385.21

23 31 16 16-0044 Fiber Reinforced Plastic Flange (23 31 16 16-0001)

23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange.....	108.16	24.36
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange.....	124.66	28.89
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange.....	142.27	33.99
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange.....	184.76	45.32
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange.....	224.76	56.65
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange.....	264.75	67.97
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange.....	312.46	84.40
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange.....	347.42	90.64
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange.....	379.49	96.87
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange.....	404.13	104.24
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange.....	424.73	113.30
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange.....	496.93	124.62
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange.....	546.83	135.96
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange.....	672.48	152.95
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange.....	748.57	169.95
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange.....	849.42	186.94
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange.....	998.09	226.59
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange.....	1,193.11	283.24
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange.....	1,388.09	339.89
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange.....	1,587.86	385.21

23 31 16 16-0065 Fiber Reinforced Plastic 90 Degree Elbow (23 31 16 16-0001)

23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow.....	179.62	58.69
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow.....	211.04	70.13
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow.....	244.93	81.57
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow.....	317.49	108.77
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow.....	390.06	135.96
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow.....	462.64	163.15
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow.....	568.46	202.92
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow.....	642.87	214.81
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow.....	730.65	233.28
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow.....	867.74	250.16
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow.....	998.16	271.92
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow.....	1,154.93	299.11
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow.....	1,546.96	326.30
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow.....	1,974.13	367.08
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow.....	2,587.03	407.99
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow.....	3,063.75	448.77
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow.....	3,630.86	543.82

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

23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow	4,402.35	679.78
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow	5,173.40	815.51
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow	5,899.38	924.17

23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow (23 31 16 16-0001)

23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow	152.38	58.69
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow	178.84	70.13
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow	207.76	81.57
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow	263.00	108.77
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow	318.23	135.96
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow	378.51	163.15
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow	466.99	202.92
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow	506.56	214.81
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow	601.64	233.16
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow	689.72	250.38
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow	794.99	271.92
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow	914.16	298.88
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow	1,150.26	326.07
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow	1,402.52	367.42
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow	1,777.60	408.21
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow	2,085.41	448.77
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow	2,486.58	543.82
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow	2,985.62	679.78
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow	3,511.35	813.93
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow	3,969.14	925.07

23 31 16 16-0107 Fiber Reinforced Plastic Tee (23 31 16 16-0001)

23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee	232.62	87.58
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee	274.90	105.48
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee	315.39	122.36
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee	408.15	163.15
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee	499.11	202.92
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee	595.42	245.85
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee	719.57	297.97
23 31 16 16-0115	EA	14" Fiber Reinforced Plastic Tee	785.14	322.45
23 31 16 16-0116	EA	16" Fiber Reinforced Plastic Tee	905.74	350.31
23 31 16 16-0117	EA	18" Fiber Reinforced Plastic Tee	1,021.69	375.24
23 31 16 16-0118	EA	20" Fiber Reinforced Plastic Tee	1,175.25	407.99
23 31 16 16-0119	EA	24" Fiber Reinforced Plastic Tee	1,342.37	448.77
23 31 16 16-0120	EA	30" Fiber Reinforced Plastic Tee	1,595.75	489.33
23 31 16 16-0121	EA	36" Fiber Reinforced Plastic Tee	1,908.85	550.85
23 31 16 16-0122	EA	42" Fiber Reinforced Plastic Tee	2,506.04	612.03
23 31 16 16-0123	EA	48" Fiber Reinforced Plastic Tee	2,979.80	673.32
23 31 16 16-0124	EA	54" Fiber Reinforced Plastic Tee	3,589.56	816.30
23 31 16 16-0125	EA	60" Fiber Reinforced Plastic Tee	4,300.78	1,020.13
23 31 16 16-0126	EA	66" Fiber Reinforced Plastic Tee	5,011.35	1,223.50
23 31 16 16-0127	EA	72" Fiber Reinforced Plastic Tee	5,655.87	1,387.33

23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)

23 31 16 16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint	195.46	87.58
23 31 16 16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint	230.29	105.48
23 31 16 16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint	263.40	122.36
23 31 16 16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint	336.41	163.15
23 31 16 16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint	407.55	202.92
23 31 16 16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint	488.98	245.85
23 31 16 16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint	586.08	298.20
23 31 16 16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint	636.02	322.22
23 31 16 16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint	697.94	350.43
23 31 16 16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint	754.75	375.58
23 31 16 16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint	824.03	408.21
23 31 16 16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint	911.41	448.77
23 31 16 16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint	1,005.80	489.10
23 31 16 16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint	1,135.50	550.52
23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint	1,268.38	612.37
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint	1,394.21	673.10
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint	1,666.13	813.93
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint	2,037.57	1,021.94
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint	2,461.72	1,224.40
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint	2,758.01	1,387.33

23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)

23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer	162.33	58.80
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer	191.28	70.25
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer	225.17	81.57
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer	290.25	108.77
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer	350.43	135.96
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer	421.61	163.83
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer	501.67	202.92
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer	536.28	214.81
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer	591.74	233.16
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer	650.09	250.38

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer	725.64	271.92
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer	826.05	299.45
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer	926.13	326.86
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer	1,048.34	367.42
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	1,170.79	408.21
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	1,317.60	448.77
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,562.73	543.82
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	1,868.58	679.78
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	2,099.57	813.93
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	2,359.22	925.07

23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)

23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	192.05	58.80
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	211.10	70.25
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	244.99	81.57
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	317.49	108.77
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	390.06	135.96
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	463.71	163.83
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	556.16	202.92
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	605.63	214.81
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	661.09	233.16
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	744.21	250.38
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	933.69	271.92
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	1,130.69	299.45
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	1,213.44	326.86
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,380.23	367.42
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,497.72	408.21
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,639.59	448.77
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,822.80	543.82
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	2,113.78	679.78
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	2,372.02	813.93
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	2,606.90	925.07

23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)

23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	333.18	58.69
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	376.98	70.13
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	420.78	81.57
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	503.25	108.77
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	598.11	135.96
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	680.60	163.15
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	783.94	202.92
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	865.78	214.81
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	958.51	233.28
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	1,048.54	250.16
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	1,122.00	271.92
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	1,266.39	299.11
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	1,460.28	326.30
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	1,676.91	367.08
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	1,918.29	407.99
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	2,134.95	448.77
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	2,516.30	543.82
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	2,965.80	679.78
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	3,390.11	815.51
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	3,893.17	924.17

23 33 Air Duct Accessories (23 33)**23 33 13 Dampers (23 33)****23 33 13 13 Volume-Control Dampers (23 33 13)****23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (23 33 13 13)**

23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	49.80	9.26
		<i>For Stainless Steel, Add</i>	18.08	
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	55.75	10.41
		<i>For Stainless Steel, Add</i>	18.36	
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	62.67	11.57
		<i>For Stainless Steel, Add</i>	18.54	
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	68.53	13.88
		<i>For Stainless Steel, Add</i>	19.71	
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	75.52	15.03
		<i>For Stainless Steel, Add</i>	20.87	
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	85.55	16.19
		<i>For Stainless Steel, Add</i>	26.66	
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	94.07	17.35
		<i>For Stainless Steel, Add</i>	28.98	
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	100.27	19.66
		<i>For Stainless Steel, Add</i>	30.13	
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	109.11	20.81
		<i>For Stainless Steel, Add</i>	33.61	
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	122.60	23.12
		<i>For Stainless Steel, Add</i>	41.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0012	EA		24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i>	131.17 47.52	23.12
23 33 13 13-0013	EA		30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i>	146.87 55.63	26.60
23 33 13 13-0014	EA		36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i>	156.18 60.62	27.76
23 33 13 13-0015			Rectangular Opposed Blade Damper <small>(23 33 13 13)</small>		
23 33 13 13-0016	EA		6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	74.44 46.71 14.37	12.84
23 33 13 13-0017	EA		8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	78.74 50.04 15.40	13.41
23 33 13 13-0018	EA		8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	81.53 53.37 16.42	13.53
23 33 13 13-0019	EA		10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	81.53 53.37 16.42	13.53
23 33 13 13-0020	EA		10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	85.26 56.71 17.45	13.88
23 33 13 13-0021	EA		10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	95.00 63.36 19.50	15.38
23 33 13 13-0022	EA		12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	85.26 56.71 17.45	13.88
23 33 13 13-0023	EA		12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	92.69 63.36 19.50	14.69
23 33 13 13-0024	EA		12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	97.59 66.73 20.53	15.38
23 33 13 13-0025	EA		12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	105.95 70.07 21.56	17.35
23 33 13 13-0026	EA		14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	91.43 61.72 18.99	14.69
23 33 13 13-0027	EA		14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	97.59 66.73 20.53	15.38
23 33 13 13-0028	EA		14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	102.48 70.07 21.56	16.20
23 33 13 13-0029	EA		14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	108.52 73.41 22.59	17.35
23 33 13 13-0030	EA		14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	120.71 81.74 25.15	19.31
23 33 13 13-0031	EA		16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	97.59 66.73 20.53	15.38
23 33 13 13-0032	EA		16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	103.64 70.07 21.56	16.54
23 33 13 13-0033	EA		16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	110.83 73.41 22.59	18.16
23 33 13 13-0034	EA		16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	116.85 76.73 23.61	19.31
23 33 13 13-0035	EA		16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	129.07 85.10 26.18	21.17
23 33 13 13-0036	EA		16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	141.27 93.43 28.75	23.13
23 33 13 13-0037	EA		18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	102.48 70.07 21.56	16.20
23 33 13 13-0038	EA		18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	109.79 75.06 23.10	17.35
23 33 13 13-0039	EA		18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	119.44 80.09 24.64	19.31
23 33 13 13-0040	EA		18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	131.64 88.44 27.21	21.17
23 33 13 13-0041	EA		18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	142.55 95.10 29.26	23.13
23 33 13 13-0042	EA		18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	154.74 103.43 31.82	24.98

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 13-0043	EA 18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	164.37	26.95
	<i>For Stainless Steel, Add</i>	108.43	
	<i>For Parallel Blade Damper, Add</i>	33.36	
23 33 13 13-0044	EA 20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	108.52	17.35
	<i>For Stainless Steel, Add</i>	73.41	
	<i>For Parallel Blade Damper, Add</i>	22.59	
23 33 13 13-0045	EA 20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	119.42	19.31
	<i>For Stainless Steel, Add</i>	80.07	
	<i>For Parallel Blade Damper, Add</i>	24.64	
23 33 13 13-0046	EA 20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	130.34	21.17
	<i>For Stainless Steel, Add</i>	86.75	
	<i>For Parallel Blade Damper, Add</i>	26.69	
23 33 13 13-0047	EA 20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	146.41	23.13
	<i>For Stainless Steel, Add</i>	100.11	
	<i>For Parallel Blade Damper, Add</i>	30.80	
23 33 13 13-0048	EA 20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	156.04	24.98
	<i>For Stainless Steel, Add</i>	105.12	
	<i>For Parallel Blade Damper, Add</i>	32.34	
23 33 13 13-0049	EA 20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	165.67	26.95
	<i>For Stainless Steel, Add</i>	110.12	
	<i>For Parallel Blade Damper, Add</i>	33.88	
23 33 13 13-0050	EA 20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	176.57	28.92
	<i>For Stainless Steel, Add</i>	116.78	
	<i>For Parallel Blade Damper, Add</i>	35.93	
23 33 13 13-0051	EA 20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	187.49	30.77
	<i>For Stainless Steel, Add</i>	123.45	
	<i>For Parallel Blade Damper, Add</i>	37.98	
23 33 13 13-0052	EA 24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	121.99	19.31
	<i>For Stainless Steel, Add</i>	83.41	
	<i>For Parallel Blade Damper, Add</i>	25.66	
23 33 13 13-0053	EA 24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	135.48	21.17
	<i>For Stainless Steel, Add</i>	93.43	
	<i>For Parallel Blade Damper, Add</i>	28.75	
23 33 13 13-0054	EA 24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	146.41	23.13
	<i>For Stainless Steel, Add</i>	100.11	
	<i>For Parallel Blade Damper, Add</i>	30.80	
23 33 13 13-0055	EA 24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	159.89	24.98
	<i>For Stainless Steel, Add</i>	110.12	
	<i>For Parallel Blade Damper, Add</i>	33.88	
23 33 13 13-0056	EA 24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	169.51	26.95
	<i>For Stainless Steel, Add</i>	115.12	
	<i>For Parallel Blade Damper, Add</i>	35.42	
23 33 13 13-0057	EA 24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	179.14	28.92
	<i>For Stainless Steel, Add</i>	120.12	
	<i>For Parallel Blade Damper, Add</i>	36.96	
23 33 13 13-0058	EA 24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	192.62	30.77
	<i>For Stainless Steel, Add</i>	130.12	
	<i>For Parallel Blade Damper, Add</i>	40.04	
23 33 13 13-0059	EA 24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	211.87	34.69
	<i>For Stainless Steel, Add</i>	140.11	
	<i>For Parallel Blade Damper, Add</i>	43.11	
23 33 13 13-0060	EA 24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	233.74	38.51
	<i>For Stainless Steel, Add</i>	153.50	
	<i>For Parallel Blade Damper, Add</i>	47.23	
23 33 13 13-0061	EA 28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	135.48	21.17
	<i>For Stainless Steel, Add</i>	93.43	
	<i>For Parallel Blade Damper, Add</i>	28.75	
23 33 13 13-0062	EA 28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	146.41	23.13
	<i>For Stainless Steel, Add</i>	100.11	
	<i>For Parallel Blade Damper, Add</i>	30.80	
23 33 13 13-0063	EA 28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	159.89	24.98
	<i>For Stainless Steel, Add</i>	110.12	
	<i>For Parallel Blade Damper, Add</i>	33.88	
23 33 13 13-0064	EA 28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	170.79	26.95
	<i>For Stainless Steel, Add</i>	116.78	
	<i>For Parallel Blade Damper, Add</i>	35.93	
23 33 13 13-0065	EA 28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	182.98	28.92
	<i>For Stainless Steel, Add</i>	125.11	
	<i>For Parallel Blade Damper, Add</i>	38.50	
23 33 13 13-0066	EA 28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	195.17	30.77
	<i>For Stainless Steel, Add</i>	133.43	
	<i>For Parallel Blade Damper, Add</i>	41.06	
23 33 13 13-0067	EA 28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	214.44	34.69
	<i>For Stainless Steel, Add</i>	143.46	
	<i>For Parallel Blade Damper, Add</i>	44.14	
23 33 13 13-0068	EA 28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	233.74	38.51
	<i>For Stainless Steel, Add</i>	153.50	
	<i>For Parallel Blade Damper, Add</i>	47.23	
23 33 13 13-0069	EA 28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	254.91	40.48
	<i>For Stainless Steel, Add</i>	173.50	
	<i>For Parallel Blade Damper, Add</i>	53.38	
23 33 13 13-0070	EA 28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	279.30	44.30
	<i>For Stainless Steel, Add</i>	190.18	
	<i>For Parallel Blade Damper, Add</i>	58.52	
23 33 13 13-0071	EA 32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	154.11	23.13
	<i>For Stainless Steel, Add</i>	110.12	
	<i>For Parallel Blade Damper, Add</i>	33.88	
23 33 13 13-0072	EA 32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	162.45	24.98
	<i>For Stainless Steel, Add</i>	113.45	
	<i>For Parallel Blade Damper, Add</i>	34.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0073	EA		32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	170.79	26.95
			For Stainless Steel, Add	116.78	
			For Parallel Blade Damper, Add	35.93	
23 33 13 13-0074	EA		32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	181.70	28.92
			For Stainless Steel, Add	123.45	
			For Parallel Blade Damper, Add	37.98	
23 33 13 13-0075	EA		32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	195.67	30.77
			For Stainless Steel, Add	134.08	
			For Parallel Blade Damper, Add	41.26	
23 33 13 13-0076	EA		32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	214.44	34.69
			For Stainless Steel, Add	143.46	
			For Parallel Blade Damper, Add	44.14	
23 33 13 13-0077	EA		32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	236.31	38.51
			For Stainless Steel, Add	156.85	
			For Parallel Blade Damper, Add	48.26	
23 33 13 13-0078	EA		32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	258.13	42.33
			For Stainless Steel, Add	170.18	
			For Parallel Blade Damper, Add	52.36	
23 33 13 13-0079	EA		32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	279.30	44.30
			For Stainless Steel, Add	190.18	
			For Parallel Blade Damper, Add	58.52	
23 33 13 13-0080	EA		32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	306.53	47.42
			For Stainless Steel, Add	213.55	
			For Parallel Blade Damper, Add	65.71	
23 33 13 13-0081	EA		32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	335.16	50.08
			For Stainless Steel, Add	240.25	
			For Parallel Blade Damper, Add	73.92	
23 33 13 13-0082	EA		36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	167.58	24.98
			For Stainless Steel, Add	120.12	
			For Parallel Blade Damper, Add	36.96	
23 33 13 13-0083	EA		36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	178.48	26.95
			For Stainless Steel, Add	126.78	
			For Parallel Blade Damper, Add	39.01	
23 33 13 13-0084	EA		36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	189.38	28.92
			For Stainless Steel, Add	133.43	
			For Parallel Blade Damper, Add	41.06	
23 33 13 13-0085	EA		36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	202.88	30.77
			For Stainless Steel, Add	143.46	
			For Parallel Blade Damper, Add	44.14	
23 33 13 13-0086	EA		36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	218.31	34.69
			For Stainless Steel, Add	148.49	
			For Parallel Blade Damper, Add	45.69	
23 33 13 13-0087	EA		36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	227.96	36.55
			For Stainless Steel, Add	153.50	
			For Parallel Blade Damper, Add	47.23	
23 33 13 13-0088	EA		36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	258.13	42.33
			For Stainless Steel, Add	170.18	
			For Parallel Blade Damper, Add	52.36	
23 33 13 13-0089	EA		36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	282.51	46.26
			For Stainless Steel, Add	186.84	
			For Parallel Blade Damper, Add	57.49	
23 33 13 13-0090	EA		36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	302.55	47.77
			For Stainless Steel, Add	206.87	
			For Parallel Blade Damper, Add	63.65	
23 33 13 13-0091	EA		36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	333.48	51.23
			For Stainless Steel, Add	233.55	
			For Parallel Blade Damper, Add	71.86	
23 33 13 13-0092	EA		36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	359.55	53.90
			For Stainless Steel, Add	256.91	
			For Parallel Blade Damper, Add	79.05	
23 33 13 13-0093	EA		36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	385.86	55.86
			For Stainless Steel, Add	283.60	
			For Parallel Blade Damper, Add	87.26	
23 33 13 13-0094	EA		40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	175.92	28.92
			For Stainless Steel, Add	123.45	
			For Parallel Blade Damper, Add	37.98	
23 33 13 13-0095	EA		40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	191.95	30.77
			For Stainless Steel, Add	136.77	
			For Parallel Blade Damper, Add	42.08	
23 33 13 13-0096	EA		40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.31	32.74
			For Stainless Steel, Add	140.11	
			For Parallel Blade Damper, Add	43.11	
23 33 13 13-0097	EA		40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	208.66	34.69
			For Stainless Steel, Add	143.46	
			For Parallel Blade Damper, Add	44.14	
23 33 13 13-0098	EA		40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	229.23	36.55
			For Stainless Steel, Add	155.16	
			For Parallel Blade Damper, Add	47.74	
23 33 13 13-0099	EA		40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	244.00	38.51
			For Stainless Steel, Add	166.84	
			For Parallel Blade Damper, Add	51.34	
23 33 13 13-0100	EA		40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	271.61	44.30
			For Stainless Steel, Add	180.18	
			For Parallel Blade Damper, Add	55.44	
23 33 13 13-0101	EA		40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	293.45	48.12
			For Stainless Steel, Add	193.53	
			For Parallel Blade Damper, Add	59.55	
23 33 13 13-0102	EA		40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	318.10	51.23
			For Stainless Steel, Add	213.55	
			For Parallel Blade Damper, Add	65.71	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	354.43	53.90
		<i>For Stainless Steel, Add</i>	250.25	
		<i>For Parallel Blade Damper, Add</i>	77.00	
23 33 13 13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	379.05	57.02
		<i>For Stainless Steel, Add</i>	270.24	
		<i>For Parallel Blade Damper, Add</i>	83.15	
23 33 13 13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	411.92	58.53
		<i>For Stainless Steel, Add</i>	306.96	
		<i>For Parallel Blade Damper, Add</i>	94.45	
23 33 13 13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.86	61.64
		<i>For Stainless Steel, Add</i>	340.34	
		<i>For Parallel Blade Damper, Add</i>	104.72	
23 33 13 13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	186.83	28.92
		<i>For Stainless Steel, Add</i>	130.12	
		<i>For Parallel Blade Damper, Add</i>	40.04	
23 33 13 13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	202.88	30.77
		<i>For Stainless Steel, Add</i>	143.46	
		<i>For Parallel Blade Damper, Add</i>	44.14	
23 33 13 13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	216.39	32.74
		<i>For Stainless Steel, Add</i>	153.50	
		<i>For Parallel Blade Damper, Add</i>	47.23	
23 33 13 13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.74	34.69
		<i>For Stainless Steel, Add</i>	156.85	
		<i>For Parallel Blade Damper, Add</i>	48.26	
23 33 13 13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	240.79	36.55
		<i>For Stainless Steel, Add</i>	170.18	
		<i>For Parallel Blade Damper, Add</i>	52.36	
23 33 13 13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	256.83	38.51
		<i>For Stainless Steel, Add</i>	183.52	
		<i>For Parallel Blade Damper, Add</i>	56.47	
23 33 13 13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	292.80	46.26
		<i>For Stainless Steel, Add</i>	200.21	
		<i>For Parallel Blade Damper, Add</i>	61.60	
23 33 13 13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	317.17	50.08
		<i>For Stainless Steel, Add</i>	216.87	
		<i>For Parallel Blade Damper, Add</i>	66.73	
23 33 13 13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	354.43	53.90
		<i>For Stainless Steel, Add</i>	250.25	
		<i>For Parallel Blade Damper, Add</i>	77.00	
23 33 13 13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	389.09	57.83
		<i>For Stainless Steel, Add</i>	280.28	
		<i>For Parallel Blade Damper, Add</i>	86.24	
23 33 13 13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	426.30	61.64
		<i>For Stainless Steel, Add</i>	313.61	
		<i>For Parallel Blade Damper, Add</i>	96.50	
23 33 13 13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	455.18	63.50
		<i>For Stainless Steel, Add</i>	343.66	
		<i>For Parallel Blade Damper, Add</i>	105.74	
23 33 13 13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	484.07	65.46
		<i>For Stainless Steel, Add</i>	373.69	
		<i>For Parallel Blade Damper, Add</i>	114.98	
23 33 13 13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	512.96	67.43
		<i>For Stainless Steel, Add</i>	403.73	
		<i>For Parallel Blade Damper, Add</i>	124.22	
23 33 13 13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.31	30.77
		<i>For Stainless Steel, Add</i>	140.11	
		<i>For Parallel Blade Damper, Add</i>	43.11	
23 33 13 13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	216.39	32.74
		<i>For Stainless Steel, Add</i>	153.50	
		<i>For Parallel Blade Damper, Add</i>	47.23	
23 33 13 13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.74	34.69
		<i>For Stainless Steel, Add</i>	156.85	
		<i>For Parallel Blade Damper, Add</i>	48.26	
23 33 13 13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	244.00	38.51
		<i>For Stainless Steel, Add</i>	166.84	
		<i>For Parallel Blade Damper, Add</i>	51.34	
23 33 13 13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	265.82	42.33
		<i>For Stainless Steel, Add</i>	180.18	
		<i>For Parallel Blade Damper, Add</i>	55.44	
23 33 13 13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	287.66	46.26
		<i>For Stainless Steel, Add</i>	193.53	
		<i>For Parallel Blade Damper, Add</i>	59.55	
23 33 13 13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	314.62	50.08
		<i>For Stainless Steel, Add</i>	213.55	
		<i>For Parallel Blade Damper, Add</i>	65.71	
23 33 13 13-0128	EA	48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	341.58	53.90
		<i>For Stainless Steel, Add</i>	233.55	
		<i>For Parallel Blade Damper, Add</i>	71.86	
23 33 13 13-0129	EA	48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	376.25	57.83
		<i>For Stainless Steel, Add</i>	263.59	
		<i>For Parallel Blade Damper, Add</i>	81.10	
23 33 13 13-0130	EA	48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	416.04	61.64
		<i>For Stainless Steel, Add</i>	300.27	
		<i>For Parallel Blade Damper, Add</i>	92.39	
23 33 13 13-0131	EA	48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	444.94	63.50
		<i>For Stainless Steel, Add</i>	330.34	
		<i>For Parallel Blade Damper, Add</i>	101.64	
23 33 13 13-0132	EA	48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	481.50	65.46
		<i>For Stainless Steel, Add</i>	370.34	
		<i>For Parallel Blade Damper, Add</i>	113.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0133	EA		48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	516.18	69.28
			<i>For Stainless Steel, Add</i>	400.39	
			<i>For Parallel Blade Damper, Add</i>	123.20	
23 33 13 13-0134	EA		48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	552.74	71.25
			<i>For Stainless Steel, Add</i>	440.41	
			<i>For Parallel Blade Damper, Add</i>	135.51	
23 33 13 13-0135	EA		48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	590.64	77.03
			<i>For Stainless Steel, Add</i>	467.12	
			<i>For Parallel Blade Damper, Add</i>	143.73	
23 33 13 13-0136	EA		52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	213.82	32.74
			<i>For Stainless Steel, Add</i>	150.16	
			<i>For Parallel Blade Damper, Add</i>	46.20	
23 33 13 13-0137	EA		52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	229.86	34.69
			<i>For Stainless Steel, Add</i>	163.50	
			<i>For Parallel Blade Damper, Add</i>	50.31	
23 33 13 13-0138	EA		52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	251.69	38.51
			<i>For Stainless Steel, Add</i>	176.84	
			<i>For Parallel Blade Damper, Add</i>	54.41	
23 33 13 13-0139	EA		52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	265.82	42.33
			<i>For Stainless Steel, Add</i>	180.18	
			<i>For Parallel Blade Damper, Add</i>	55.44	
23 33 13 13-0140	EA		52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	288.95	46.26
			<i>For Stainless Steel, Add</i>	195.21	
			<i>For Parallel Blade Damper, Add</i>	60.06	
23 33 13 13-0141	EA		52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	312.05	50.08
			<i>For Stainless Steel, Add</i>	210.21	
			<i>For Parallel Blade Damper, Add</i>	64.68	
23 33 13 13-0142	EA		52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	339.03	53.90
			<i>For Stainless Steel, Add</i>	230.23	
			<i>For Parallel Blade Damper, Add</i>	70.84	
23 33 13 13-0143	EA		52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	365.99	57.83
			<i>For Stainless Steel, Add</i>	250.25	
			<i>For Parallel Blade Damper, Add</i>	77.00	
23 33 13 13-0144	EA		52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	400.66	61.64
			<i>For Stainless Steel, Add</i>	280.28	
			<i>For Parallel Blade Damper, Add</i>	86.24	
23 33 13 13-0145	EA		52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	443.00	65.46
			<i>For Stainless Steel, Add</i>	320.29	
			<i>For Parallel Blade Damper, Add</i>	98.55	
23 33 13 13-0146	EA		52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	474.44	67.43
			<i>For Stainless Steel, Add</i>	353.65	
			<i>For Parallel Blade Damper, Add</i>	108.82	
23 33 13 13-0147	EA		52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	513.61	69.28
			<i>For Stainless Steel, Add</i>	397.05	
			<i>For Parallel Blade Damper, Add</i>	122.17	
23 33 13 13-0148	EA		52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	555.95	73.22
			<i>For Stainless Steel, Add</i>	437.06	
			<i>For Parallel Blade Damper, Add</i>	134.48	
23 33 13 13-0149	EA		52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	590.64	77.03
			<i>For Stainless Steel, Add</i>	467.12	
			<i>For Parallel Blade Damper, Add</i>	143.73	
23 33 13 13-0150	EA		52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	638.79	82.81
			<i>For Stainless Steel, Add</i>	507.16	
			<i>For Parallel Blade Damper, Add</i>	156.05	
23 33 13 13-0151	EA		52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	676.02	86.63
			<i>For Stainless Steel, Add</i>	540.53	
			<i>For Parallel Blade Damper, Add</i>	166.32	
23 33 13 13-0152	EA		56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.74	34.69
			<i>For Stainless Steel, Add</i>	156.85	
			<i>For Parallel Blade Damper, Add</i>	48.26	
23 33 13 13-0153	EA		56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	249.12	38.51
			<i>For Stainless Steel, Add</i>	173.50	
			<i>For Parallel Blade Damper, Add</i>	53.38	
23 33 13 13-0154	EA		56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	268.39	42.33
			<i>For Stainless Steel, Add</i>	183.52	
			<i>For Parallel Blade Damper, Add</i>	56.47	
23 33 13 13-0155	EA		56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	282.51	46.26
			<i>For Stainless Steel, Add</i>	186.84	
			<i>For Parallel Blade Damper, Add</i>	57.49	
23 33 13 13-0156	EA		56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	308.20	50.08
			<i>For Stainless Steel, Add</i>	205.21	
			<i>For Parallel Blade Damper, Add</i>	63.14	
23 33 13 13-0157	EA		56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	333.89	53.90
			<i>For Stainless Steel, Add</i>	223.55	
			<i>For Parallel Blade Damper, Add</i>	68.78	
23 33 13 13-0158	EA		56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	359.56	57.83
			<i>For Stainless Steel, Add</i>	241.89	
			<i>For Parallel Blade Damper, Add</i>	74.43	
23 33 13 13-0159	EA		56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	385.25	61.64
			<i>For Stainless Steel, Add</i>	260.25	
			<i>For Parallel Blade Damper, Add</i>	80.08	
23 33 13 13-0160	EA		56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	427.60	65.46
			<i>For Stainless Steel, Add</i>	300.27	
			<i>For Parallel Blade Damper, Add</i>	92.39	
23 33 13 13-0161	EA		56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	464.20	67.43
			<i>For Stainless Steel, Add</i>	340.34	
			<i>For Parallel Blade Damper, Add</i>	104.72	
23 33 13 13-0162	EA		56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	498.21	69.28
			<i>For Stainless Steel, Add</i>	377.03	
			<i>For Parallel Blade Damper, Add</i>	116.01	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

23 33 13 13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	545.71	73.22
		<i>For Stainless Steel, Add</i>	423.75	
		<i>For Parallel Blade Damper, Add</i>	130.38	
23 33 13 13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	588.07	77.03
		<i>For Stainless Steel, Add</i>	463.78	
		<i>For Parallel Blade Damper, Add</i>	142.70	
23 33 13 13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	633.00	80.84
		<i>For Stainless Steel, Add</i>	507.16	
		<i>For Parallel Blade Damper, Add</i>	156.05	
23 33 13 13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	670.24	84.78
		<i>For Stainless Steel, Add</i>	540.53	
		<i>For Parallel Blade Damper, Add</i>	166.32	
23 33 13 13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	715.16	88.59
		<i>For Stainless Steel, Add</i>	583.90	
		<i>For Parallel Blade Damper, Add</i>	179.66	
23 33 13 13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	760.11	92.41
		<i>For Stainless Steel, Add</i>	627.28	
		<i>For Parallel Blade Damper, Add</i>	193.01	
23 33 13 13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	244.00	38.51
		<i>For Stainless Steel, Add</i>	166.84	
		<i>For Parallel Blade Damper, Add</i>	51.34	
23 33 13 13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	268.39	42.33
		<i>For Stainless Steel, Add</i>	183.52	
		<i>For Parallel Blade Damper, Add</i>	56.47	
23 33 13 13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	285.08	46.26
		<i>For Stainless Steel, Add</i>	190.18	
		<i>For Parallel Blade Damper, Add</i>	58.52	
23 33 13 13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	299.22	50.08
		<i>For Stainless Steel, Add</i>	193.53	
		<i>For Parallel Blade Damper, Add</i>	59.55	
23 33 13 13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	326.20	53.90
		<i>For Stainless Steel, Add</i>	213.55	
		<i>For Parallel Blade Damper, Add</i>	65.71	
23 33 13 13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	353.14	57.83
		<i>For Stainless Steel, Add</i>	233.55	
		<i>For Parallel Blade Damper, Add</i>	71.86	
23 33 13 13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	381.39	61.64
		<i>For Stainless Steel, Add</i>	255.23	
		<i>For Parallel Blade Damper, Add</i>	78.53	
23 33 13 13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	409.64	65.46
		<i>For Stainless Steel, Add</i>	276.93	
		<i>For Parallel Blade Damper, Add</i>	85.21	
23 33 13 13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	448.78	67.43
		<i>For Stainless Steel, Add</i>	320.29	
		<i>For Parallel Blade Damper, Add</i>	98.55	
23 33 13 13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	485.37	69.28
		<i>For Stainless Steel, Add</i>	360.33	
		<i>For Parallel Blade Damper, Add</i>	110.87	
23 33 13 13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	530.31	73.22
		<i>For Stainless Steel, Add</i>	403.73	
		<i>For Parallel Blade Damper, Add</i>	124.22	
23 33 13 13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	575.24	77.03
		<i>For Stainless Steel, Add</i>	447.10	
		<i>For Parallel Blade Damper, Add</i>	137.57	
23 33 13 13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	612.46	80.84
		<i>For Stainless Steel, Add</i>	480.45	
		<i>For Parallel Blade Damper, Add</i>	147.83	
23 33 13 13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	665.08	84.78
		<i>For Stainless Steel, Add</i>	533.82	
		<i>For Parallel Blade Damper, Add</i>	164.25	
23 33 13 13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	712.58	88.59
		<i>For Stainless Steel, Add</i>	580.54	
		<i>For Parallel Blade Damper, Add</i>	178.63	
23 33 13 13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	760.11	92.41
		<i>For Stainless Steel, Add</i>	627.28	
		<i>For Parallel Blade Damper, Add</i>	193.01	
23 33 13 13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	802.43	96.35
		<i>For Stainless Steel, Add</i>	667.26	
		<i>For Parallel Blade Damper, Add</i>	205.31	
23 33 13 13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	844.83	100.16
		<i>For Stainless Steel, Add</i>	707.34	
		<i>For Parallel Blade Damper, Add</i>	217.64	

23 33 13 16 Fire Dampers (23 33 13)**23 33 13 16-0001 Fire Dampers (23 33 13 16)**

23 33 13 16-0002	SF	Fire Damper, Vertical Curtain Type	58.97	12.49
		<i>For Smoke Damper, Add</i>	18.17	
		<i>For Horizontal, Add</i>	3.21	
		<i>For Dynamic Damper, Add</i>	4.81	
		<i>For 3 Hour Rated, Add</i>	4.28	
23 33 13 16-0003	SF	Fire Damper, Vertical Louver Type	70.64	12.49
		<i>For Smoke Damper, Add</i>	28.09	
		<i>For Horizontal, Add</i>	4.96	
		<i>For Dynamic Damper, Add</i>	7.44	
		<i>For 3 Hour Rated, Add</i>	6.61	

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

23 33 13 16-0004 Folding Curtain Fire Dampers (23 33 13 16)

Note: UL Listed. Air stream galvanized steel construction with fusible link 160 F spring actuated for horizontal mount gravity actuated for vertical mount 1-1/2 hour fire rating. Damper frame and damper blades are in the air stream.

23 33 13 16-0005	EA		6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	54.91	12.84
			<i>For Horizontal, Add</i>	2.46	
			<i>For Dynamic Damper, Add</i>	3.69	
			<i>For 3 Hour Rated, Add</i>	3.28	
			<i>For Damper Blades Outside Air Stream, Add</i>	4.92	
23 33 13 16-0006	EA		8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	57.81	13.41
			<i>For Horizontal, Add</i>	2.63	
			<i>For Dynamic Damper, Add</i>	3.95	
			<i>For 3 Hour Rated, Add</i>	3.51	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.27	
23 33 13 16-0007	EA		8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	59.22	13.53
			<i>For Horizontal, Add</i>	2.81	
			<i>For Dynamic Damper, Add</i>	4.22	
			<i>For 3 Hour Rated, Add</i>	3.75	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.62	
23 33 13 16-0008	EA		10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	59.22	13.53
			<i>For Horizontal, Add</i>	2.81	
			<i>For Dynamic Damper, Add</i>	4.22	
			<i>For 3 Hour Rated, Add</i>	3.75	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.62	
23 33 13 16-0009	EA		10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	61.55	13.88
			<i>For Horizontal, Add</i>	2.99	
			<i>For Dynamic Damper, Add</i>	4.48	
			<i>For 3 Hour Rated, Add</i>	3.98	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.97	
23 33 13 16-0010	EA		10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	68.51	15.38
			<i>For Horizontal, Add</i>	3.34	
			<i>For Dynamic Damper, Add</i>	5.01	
			<i>For 3 Hour Rated, Add</i>	4.45	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.68	
23 33 13 16-0011	EA		12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	61.55	13.88
			<i>For Horizontal, Add</i>	2.99	
			<i>For Dynamic Damper, Add</i>	4.48	
			<i>For 3 Hour Rated, Add</i>	3.98	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.97	
23 33 13 16-0012	EA		12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	66.20	14.69
			<i>For Horizontal, Add</i>	3.34	
			<i>For Dynamic Damper, Add</i>	5.01	
			<i>For 3 Hour Rated, Add</i>	4.45	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.68	
23 33 13 16-0013	EA		12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	69.68	15.38
			<i>For Horizontal, Add</i>	3.51	
			<i>For Dynamic Damper, Add</i>	5.27	
			<i>For 3 Hour Rated, Add</i>	4.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0014	EA		12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	76.65	17.35
			<i>For Horizontal, Add</i>	3.69	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0015	EA		14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	65.62	14.69
			<i>For Horizontal, Add</i>	3.25	
			<i>For Dynamic Damper, Add</i>	4.88	
			<i>For 3 Hour Rated, Add</i>	4.33	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.50	
23 33 13 16-0016	EA		14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	69.68	15.38
			<i>For Horizontal, Add</i>	3.51	
			<i>For Dynamic Damper, Add</i>	5.27	
			<i>For 3 Hour Rated, Add</i>	4.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0017	EA		14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	73.18	16.20
			<i>For Horizontal, Add</i>	3.69	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0018	EA		14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.82	17.35
			<i>For Horizontal, Add</i>	3.87	
			<i>For Dynamic Damper, Add</i>	5.80	
			<i>For 3 Hour Rated, Add</i>	5.15	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0019	EA		14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	86.53	19.31
			<i>For Horizontal, Add</i>	4.31	
			<i>For Dynamic Damper, Add</i>	6.46	
			<i>For 3 Hour Rated, Add</i>	5.74	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.61	
23 33 13 16-0020	EA		16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	69.68	15.38
			<i>For Horizontal, Add</i>	3.51	
			<i>For Dynamic Damper, Add</i>	5.27	
			<i>For 3 Hour Rated, Add</i>	4.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0021	EA		16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	74.34	16.54
			<i>For Horizontal, Add</i>	3.69	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 16-0022	EA	16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	80.13	18.16
		<i>For Horizontal, Add</i>	3.87	
		<i>For Dynamic Damper, Add</i>	5.80	
		<i>For 3 Hour Rated, Add</i>	5.15	
		<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0023	EA	16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.76	19.31
		<i>For Horizontal, Add</i>	4.04	
		<i>For Dynamic Damper, Add</i>	6.06	
		<i>For 3 Hour Rated, Add</i>	5.39	
		<i>For Damper Blades Outside Air Stream, Add</i>	8.08	
23 33 13 16-0024	EA	16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.48	21.17
		<i>For Horizontal, Add</i>	4.48	
		<i>For Dynamic Damper, Add</i>	6.72	
		<i>For 3 Hour Rated, Add</i>	5.97	
		<i>For Damper Blades Outside Air Stream, Add</i>	8.96	
23 33 13 16-0025	EA	16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	102.20	23.13
		<i>For Horizontal, Add</i>	4.92	
		<i>For Dynamic Damper, Add</i>	7.38	
		<i>For 3 Hour Rated, Add</i>	6.56	
		<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0026	EA	18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	73.18	16.20
		<i>For Horizontal, Add</i>	3.69	
		<i>For Dynamic Damper, Add</i>	5.54	
		<i>For 3 Hour Rated, Add</i>	4.92	
		<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0027	EA	18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	78.40	17.35
		<i>For Horizontal, Add</i>	3.95	
		<i>For Dynamic Damper, Add</i>	5.93	
		<i>For 3 Hour Rated, Add</i>	5.27	
		<i>For Damper Blades Outside Air Stream, Add</i>	7.91	
23 33 13 16-0028	EA	18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.95	19.31
		<i>For Horizontal, Add</i>	4.22	
		<i>For Dynamic Damper, Add</i>	6.33	
		<i>For 3 Hour Rated, Add</i>	5.62	
		<i>For Damper Blades Outside Air Stream, Add</i>	8.44	
23 33 13 16-0029	EA	18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	94.65	21.17
		<i>For Horizontal, Add</i>	4.66	
		<i>For Dynamic Damper, Add</i>	6.98	
		<i>For 3 Hour Rated, Add</i>	6.21	
		<i>For Damper Blades Outside Air Stream, Add</i>	9.31	
23 33 13 16-0030	EA	18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	102.78	23.13
		<i>For Horizontal, Add</i>	5.01	
		<i>For Dynamic Damper, Add</i>	7.51	
		<i>For 3 Hour Rated, Add</i>	6.68	
		<i>For Damper Blades Outside Air Stream, Add</i>	10.01	
23 33 13 16-0031	EA	18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	111.49	24.98
		<i>For Horizontal, Add</i>	5.45	
		<i>For Dynamic Damper, Add</i>	8.17	
		<i>For 3 Hour Rated, Add</i>	7.26	
		<i>For Damper Blades Outside Air Stream, Add</i>	10.89	
23 33 13 16-0032	EA	18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.03	26.95
		<i>For Horizontal, Add</i>	5.71	
		<i>For Dynamic Damper, Add</i>	8.57	
		<i>For 3 Hour Rated, Add</i>	7.61	
		<i>For Damper Blades Outside Air Stream, Add</i>	11.42	
23 33 13 16-0033	EA	20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.82	17.35
		<i>For Horizontal, Add</i>	3.87	
		<i>For Dynamic Damper, Add</i>	5.80	
		<i>For 3 Hour Rated, Add</i>	5.15	
		<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0034	EA	20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.94	19.31
		<i>For Horizontal, Add</i>	4.22	
		<i>For Dynamic Damper, Add</i>	6.32	
		<i>For 3 Hour Rated, Add</i>	5.62	
		<i>For Damper Blades Outside Air Stream, Add</i>	8.43	
23 33 13 16-0035	EA	20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	94.06	21.17
		<i>For Horizontal, Add</i>	4.57	
		<i>For Dynamic Damper, Add</i>	6.85	
		<i>For 3 Hour Rated, Add</i>	6.09	
		<i>For Damper Blades Outside Air Stream, Add</i>	9.14	
23 33 13 16-0036	EA	20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	104.55	23.13
		<i>For Horizontal, Add</i>	5.27	
		<i>For Dynamic Damper, Add</i>	7.91	
		<i>For 3 Hour Rated, Add</i>	7.03	
		<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0037	EA	20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.08	24.98
		<i>For Horizontal, Add</i>	5.54	
		<i>For Dynamic Damper, Add</i>	8.30	
		<i>For 3 Hour Rated, Add</i>	7.38	
		<i>For Damper Blades Outside Air Stream, Add</i>	11.07	
23 33 13 16-0038	EA	20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.62	26.95
		<i>For Horizontal, Add</i>	5.80	
		<i>For Dynamic Damper, Add</i>	8.70	
		<i>For 3 Hour Rated, Add</i>	7.73	
		<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0039	EA	20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	127.74	28.92
		<i>For Horizontal, Add</i>	6.15	
		<i>For Dynamic Damper, Add</i>	9.23	
		<i>For 3 Hour Rated, Add</i>	8.20	
		<i>For Damper Blades Outside Air Stream, Add</i>	12.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0040	EA		20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.86	30.77
			<i>For Horizontal, Add</i>	6.50	
			<i>For Dynamic Damper, Add</i>	9.75	
			<i>For 3 Hour Rated, Add</i>	8.67	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0041	EA		24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.11	19.31
			<i>For Horizontal, Add</i>	4.39	
			<i>For Dynamic Damper, Add</i>	6.59	
			<i>For 3 Hour Rated, Add</i>	5.86	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.78	
23 33 13 16-0042	EA		24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	96.41	21.17
			<i>For Horizontal, Add</i>	4.92	
			<i>For Dynamic Damper, Add</i>	7.38	
			<i>For 3 Hour Rated, Add</i>	6.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0043	EA		24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	104.55	23.13
			<i>For Horizontal, Add</i>	5.27	
			<i>For Dynamic Damper, Add</i>	7.91	
			<i>For 3 Hour Rated, Add</i>	7.03	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0044	EA		24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.84	24.98
			<i>For Horizontal, Add</i>	5.80	
			<i>For Dynamic Damper, Add</i>	8.70	
			<i>For 3 Hour Rated, Add</i>	7.73	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0045	EA		24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.37	26.95
			<i>For Horizontal, Add</i>	6.06	
			<i>For Dynamic Damper, Add</i>	9.09	
			<i>For 3 Hour Rated, Add</i>	8.08	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.12	
23 33 13 16-0046	EA		24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.91	28.92
			<i>For Horizontal, Add</i>	6.33	
			<i>For Dynamic Damper, Add</i>	9.49	
			<i>For 3 Hour Rated, Add</i>	8.43	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.65	
23 33 13 16-0047	EA		24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.21	30.77
			<i>For Horizontal, Add</i>	6.85	
			<i>For Dynamic Damper, Add</i>	10.28	
			<i>For 3 Hour Rated, Add</i>	9.14	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0048	EA		24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	153.28	34.69
			<i>For Horizontal, Add</i>	7.38	
			<i>For Dynamic Damper, Add</i>	11.07	
			<i>For 3 Hour Rated, Add</i>	9.84	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0049	EA		24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.55	38.51
			<i>For Horizontal, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0050	EA		28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	96.41	21.17
			<i>For Horizontal, Add</i>	4.92	
			<i>For Dynamic Damper, Add</i>	7.38	
			<i>For 3 Hour Rated, Add</i>	6.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0051	EA		28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	104.55	23.13
			<i>For Horizontal, Add</i>	5.27	
			<i>For Dynamic Damper, Add</i>	7.91	
			<i>For 3 Hour Rated, Add</i>	7.03	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0052	EA		28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.84	24.98
			<i>For Horizontal, Add</i>	5.80	
			<i>For Dynamic Damper, Add</i>	8.70	
			<i>For 3 Hour Rated, Add</i>	7.73	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0053	EA		28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.96	26.95
			<i>For Horizontal, Add</i>	6.15	
			<i>For Dynamic Damper, Add</i>	9.23	
			<i>For 3 Hour Rated, Add</i>	8.20	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0054	EA		28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.67	28.92
			<i>For Horizontal, Add</i>	6.59	
			<i>For Dynamic Damper, Add</i>	9.88	
			<i>For 3 Hour Rated, Add</i>	8.79	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.18	
23 33 13 16-0055	EA		28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	139.38	30.77
			<i>For Horizontal, Add</i>	7.03	
			<i>For Dynamic Damper, Add</i>	10.54	
			<i>For 3 Hour Rated, Add</i>	9.37	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.06	
23 33 13 16-0056	EA		28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	154.46	34.69
			<i>For Horizontal, Add</i>	7.56	
			<i>For Dynamic Damper, Add</i>	11.33	
			<i>For 3 Hour Rated, Add</i>	10.07	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0057	EA		28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.55	38.51
			<i>For Horizontal, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 16-0058	EA 28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	182.36	40.48
	For Horizontal, Add	9.14	
	For Dynamic Damper, Add	13.70	
	For 3 Hour Rated, Add	12.18	
	For Damper Blades Outside Air Stream, Add	18.27	
23 33 13 16-0059	EA 28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	199.78	44.30
	For Horizontal, Add	10.02	
	For Dynamic Damper, Add	15.02	
	For 3 Hour Rated, Add	13.35	
	For Damper Blades Outside Air Stream, Add	20.03	
23 33 13 16-0060	EA 32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	108.06	23.13
	For Horizontal, Add	5.80	
	For Dynamic Damper, Add	8.70	
	For 3 Hour Rated, Add	7.73	
	For Damper Blades Outside Air Stream, Add	11.60	
23 33 13 16-0061	EA 32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	115.00	24.98
	For Horizontal, Add	5.97	
	For Dynamic Damper, Add	8.96	
	For 3 Hour Rated, Add	7.96	
	For Damper Blades Outside Air Stream, Add	11.95	
23 33 13 16-0062	EA 32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.96	26.95
	For Horizontal, Add	6.15	
	For Dynamic Damper, Add	9.23	
	For 3 Hour Rated, Add	8.20	
	For Damper Blades Outside Air Stream, Add	12.30	
23 33 13 16-0063	EA 32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.07	28.92
	For Horizontal, Add	6.50	
	For Dynamic Damper, Add	9.75	
	For 3 Hour Rated, Add	8.67	
	For Damper Blades Outside Air Stream, Add	13.00	
23 33 13 16-0064	EA 32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	139.60	30.77
	For Horizontal, Add	7.06	
	For Dynamic Damper, Add	10.59	
	For 3 Hour Rated, Add	9.41	
	For Damper Blades Outside Air Stream, Add	14.12	
23 33 13 16-0065	EA 32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	154.46	34.69
	For Horizontal, Add	7.56	
	For Dynamic Damper, Add	11.33	
	For 3 Hour Rated, Add	10.07	
	For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0066	EA 32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	170.72	38.51
	For Horizontal, Add	8.26	
	For Dynamic Damper, Add	12.39	
	For 3 Hour Rated, Add	11.01	
	For Damper Blades Outside Air Stream, Add	16.52	
23 33 13 16-0067	EA 32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	186.96	42.33
	For Horizontal, Add	8.96	
	For Dynamic Damper, Add	13.44	
	For 3 Hour Rated, Add	11.95	
	For Damper Blades Outside Air Stream, Add	17.92	
23 33 13 16-0068	EA 32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	199.78	44.30
	For Horizontal, Add	10.02	
	For Dynamic Damper, Add	15.02	
	For 3 Hour Rated, Add	13.35	
	For Damper Blades Outside Air Stream, Add	20.03	
23 33 13 16-0069	EA 32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	217.23	47.42
	For Horizontal, Add	11.25	
	For Dynamic Damper, Add	16.87	
	For 3 Hour Rated, Add	14.99	
	For Damper Blades Outside Air Stream, Add	22.49	
23 33 13 16-0070	EA 32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	234.69	50.08
	For Horizontal, Add	12.65	
	For Dynamic Damper, Add	18.98	
	For 3 Hour Rated, Add	16.87	
	For Damper Blades Outside Air Stream, Add	25.30	
23 33 13 16-0071	EA 36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	117.35	24.98
	For Horizontal, Add	6.33	
	For Dynamic Damper, Add	9.49	
	For 3 Hour Rated, Add	8.43	
	For Damper Blades Outside Air Stream, Add	12.65	
23 33 13 16-0072	EA 36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	125.47	26.95
	For Horizontal, Add	6.68	
	For Dynamic Damper, Add	10.01	
	For 3 Hour Rated, Add	8.90	
	For Damper Blades Outside Air Stream, Add	13.35	
23 33 13 16-0073	EA 36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	133.59	28.92
	For Horizontal, Add	7.03	
	For Dynamic Damper, Add	10.54	
	For 3 Hour Rated, Add	9.37	
	For Damper Blades Outside Air Stream, Add	14.06	
23 33 13 16-0074	EA 36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	142.90	30.77
	For Horizontal, Add	7.56	
	For Dynamic Damper, Add	11.33	
	For 3 Hour Rated, Add	10.07	
	For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0075	EA 36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	156.22	34.69
	For Horizontal, Add	7.82	
	For Dynamic Damper, Add	11.73	
	For 3 Hour Rated, Add	10.43	
	For Damper Blades Outside Air Stream, Add	15.64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0076 EA 36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	163.77	36.55
<i>For Horizontal, Add</i>	8.08	
<i>For Dynamic Damper, Add</i>	12.13	
<i>For 3 Hour Rated, Add</i>	10.78	
<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0077 EA 36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	186.96	42.33
<i>For Horizontal, Add</i>	8.96	
<i>For Dynamic Damper, Add</i>	13.44	
<i>For 3 Hour Rated, Add</i>	11.95	
<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0078 EA 36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	204.38	46.26
<i>For Horizontal, Add</i>	9.84	
<i>For Dynamic Damper, Add</i>	14.76	
<i>For 3 Hour Rated, Add</i>	13.12	
<i>For Damper Blades Outside Air Stream, Add</i>	19.68	
23 33 13 16-0079 EA 36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	184.92	47.77
<i>For Horizontal, Add</i>	6.23	
<i>For Dynamic Damper, Add</i>	9.34	
<i>For 3 Hour Rated, Add</i>	8.30	
<i>For Damper Blades Outside Air Stream, Add</i>	12.45	
23 33 13 16-0080 EA 36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.82	51.23
<i>For Horizontal, Add</i>	12.30	
<i>For Dynamic Damper, Add</i>	18.45	
<i>For 3 Hour Rated, Add</i>	16.40	
<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0081 EA 36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	252.12	53.90
<i>For Horizontal, Add</i>	13.53	
<i>For Dynamic Damper, Add</i>	20.29	
<i>For 3 Hour Rated, Add</i>	18.04	
<i>For Damper Blades Outside Air Stream, Add</i>	27.06	
23 33 13 16-0082 EA 36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	267.27	55.86
<i>For Horizontal, Add</i>	14.93	
<i>For Dynamic Damper, Add</i>	22.40	
<i>For 3 Hour Rated, Add</i>	19.91	
<i>For Damper Blades Outside Air Stream, Add</i>	29.87	
23 33 13 16-0083 EA 40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	124.29	28.92
<i>For Horizontal, Add</i>	6.50	
<i>For Dynamic Damper, Add</i>	9.75	
<i>For 3 Hour Rated, Add</i>	8.67	
<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0084 EA 40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	134.76	30.77
<i>For Horizontal, Add</i>	7.20	
<i>For Dynamic Damper, Add</i>	10.80	
<i>For 3 Hour Rated, Add</i>	9.60	
<i>For Damper Blades Outside Air Stream, Add</i>	14.41	
23 33 13 16-0085 EA 40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.72	32.74
<i>For Horizontal, Add</i>	7.38	
<i>For Dynamic Damper, Add</i>	11.07	
<i>For 3 Hour Rated, Add</i>	9.84	
<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0086 EA 40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	148.68	34.69
<i>For Horizontal, Add</i>	7.56	
<i>For Dynamic Damper, Add</i>	11.33	
<i>For 3 Hour Rated, Add</i>	10.07	
<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0087 EA 40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	164.35	36.55
<i>For Horizontal, Add</i>	8.17	
<i>For Dynamic Damper, Add</i>	12.26	
<i>For 3 Hour Rated, Add</i>	10.89	
<i>For Damper Blades Outside Air Stream, Add</i>	16.34	
23 33 13 16-0088 EA 40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	174.23	38.51
<i>For Horizontal, Add</i>	8.79	
<i>For Dynamic Damper, Add</i>	13.18	
<i>For 3 Hour Rated, Add</i>	11.71	
<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0089 EA 40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	196.26	44.30
<i>For Horizontal, Add</i>	9.49	
<i>For Dynamic Damper, Add</i>	14.23	
<i>For 3 Hour Rated, Add</i>	12.65	
<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0090 EA 40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	212.52	48.12
<i>For Horizontal, Add</i>	10.19	
<i>For Dynamic Damper, Add</i>	15.29	
<i>For 3 Hour Rated, Add</i>	13.59	
<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0091 EA 40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	228.80	51.23
<i>For Horizontal, Add</i>	11.25	
<i>For Dynamic Damper, Add</i>	16.87	
<i>For 3 Hour Rated, Add</i>	14.99	
<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0092 EA 40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	249.78	53.90
<i>For Horizontal, Add</i>	13.18	
<i>For Dynamic Damper, Add</i>	19.77	
<i>For 3 Hour Rated, Add</i>	17.57	
<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0093 EA 40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.04	57.02
<i>For Horizontal, Add</i>	14.23	
<i>For Dynamic Damper, Add</i>	21.35	
<i>For 3 Hour Rated, Add</i>	18.97	
<i>For Damper Blades Outside Air Stream, Add</i>	28.46	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 16-0094	EA	40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	283.56	58.53
		<i>For Horizontal, Add</i>	16.16	
		<i>For Dynamic Damper, Add</i>	24.25	
		<i>For 3 Hour Rated, Add</i>	21.55	
		<i>For Damper Blades Outside Air Stream, Add</i>	32.33	
23 33 13 16-0095	EA	40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	304.54	61.64
		<i>For Horizontal, Add</i>	17.92	
		<i>For Dynamic Damper, Add</i>	26.88	
		<i>For 3 Hour Rated, Add</i>	23.90	
		<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0096	EA	44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.42	28.92
		<i>For Horizontal, Add</i>	6.85	
		<i>For Dynamic Damper, Add</i>	10.28	
		<i>For 3 Hour Rated, Add</i>	9.14	
		<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0097	EA	44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	142.90	30.77
		<i>For Horizontal, Add</i>	7.56	
		<i>For Dynamic Damper, Add</i>	11.33	
		<i>For 3 Hour Rated, Add</i>	10.07	
		<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0098	EA	44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.20	32.74
		<i>For Horizontal, Add</i>	8.08	
		<i>For Dynamic Damper, Add</i>	12.13	
		<i>For 3 Hour Rated, Add</i>	10.78	
		<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0099	EA	44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	159.15	34.69
		<i>For Horizontal, Add</i>	8.26	
		<i>For Dynamic Damper, Add</i>	12.39	
		<i>For 3 Hour Rated, Add</i>	11.01	
		<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0100	EA	44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.62	36.55
		<i>For Horizontal, Add</i>	8.96	
		<i>For Dynamic Damper, Add</i>	13.44	
		<i>For 3 Hour Rated, Add</i>	11.95	
		<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0101	EA	44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	180.09	38.51
		<i>For Horizontal, Add</i>	9.66	
		<i>For Dynamic Damper, Add</i>	14.50	
		<i>For 3 Hour Rated, Add</i>	12.89	
		<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0102	EA	44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	209.08	46.26
		<i>For Horizontal, Add</i>	10.54	
		<i>For Dynamic Damper, Add</i>	15.82	
		<i>For 3 Hour Rated, Add</i>	14.06	
		<i>For Damper Blades Outside Air Stream, Add</i>	21.09	
23 33 13 16-0103	EA	44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	226.48	50.08
		<i>For Horizontal, Add</i>	11.42	
		<i>For Dynamic Damper, Add</i>	17.13	
		<i>For 3 Hour Rated, Add</i>	15.23	
		<i>For Damper Blades Outside Air Stream, Add</i>	22.84	
23 33 13 16-0104	EA	44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	249.78	53.90
		<i>For Horizontal, Add</i>	13.18	
		<i>For Dynamic Damper, Add</i>	19.77	
		<i>For 3 Hour Rated, Add</i>	17.57	
		<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0105	EA	44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	271.88	57.83
		<i>For Horizontal, Add</i>	14.76	
		<i>For Dynamic Damper, Add</i>	22.14	
		<i>For 3 Hour Rated, Add</i>	19.68	
		<i>For Damper Blades Outside Air Stream, Add</i>	29.52	
23 33 13 16-0106	EA	44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	295.16	61.64
		<i>For Horizontal, Add</i>	16.52	
		<i>For Dynamic Damper, Add</i>	24.77	
		<i>For 3 Hour Rated, Add</i>	22.02	
		<i>For Damper Blades Outside Air Stream, Add</i>	33.03	
23 33 13 16-0107	EA	44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	311.47	63.50
		<i>For Horizontal, Add</i>	18.10	
		<i>For Dynamic Damper, Add</i>	27.14	
		<i>For 3 Hour Rated, Add</i>	24.13	
		<i>For Damper Blades Outside Air Stream, Add</i>	36.19	
23 33 13 16-0108	EA	44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	327.80	65.46
		<i>For Horizontal, Add</i>	19.68	
		<i>For Dynamic Damper, Add</i>	29.52	
		<i>For 3 Hour Rated, Add</i>	26.24	
		<i>For Damper Blades Outside Air Stream, Add</i>	39.35	
23 33 13 16-0109	EA	44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	344.14	67.43
		<i>For Horizontal, Add</i>	21.26	
		<i>For Dynamic Damper, Add</i>	31.89	
		<i>For 3 Hour Rated, Add</i>	28.35	
		<i>For Damper Blades Outside Air Stream, Add</i>	42.52	
23 33 13 16-0110	EA	48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.72	30.77
		<i>For Horizontal, Add</i>	7.38	
		<i>For Dynamic Damper, Add</i>	11.07	
		<i>For 3 Hour Rated, Add</i>	9.84	
		<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0111	EA	48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.20	32.74
		<i>For Horizontal, Add</i>	8.08	
		<i>For Dynamic Damper, Add</i>	12.13	
		<i>For 3 Hour Rated, Add</i>	10.78	
		<i>For Damper Blades Outside Air Stream, Add</i>	16.17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0112 EA 48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	159.15	34.69
<i>For Horizontal, Add</i>	8.26	
<i>For Dynamic Damper, Add</i>	12.39	
<i>For 3 Hour Rated, Add</i>	11.01	
<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0113 EA 48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	174.23	38.51
<i>For Horizontal, Add</i>	8.79	
<i>For Dynamic Damper, Add</i>	13.18	
<i>For 3 Hour Rated, Add</i>	11.71	
<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0114 EA 48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	190.47	42.33
<i>For Horizontal, Add</i>	9.49	
<i>For Dynamic Damper, Add</i>	14.23	
<i>For 3 Hour Rated, Add</i>	12.65	
<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0115 EA 48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	206.73	46.26
<i>For Horizontal, Add</i>	10.19	
<i>For Dynamic Damper, Add</i>	15.29	
<i>For 3 Hour Rated, Add</i>	13.59	
<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0116 EA 48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	225.32	50.08
<i>For Horizontal, Add</i>	11.25	
<i>For Dynamic Damper, Add</i>	16.87	
<i>For 3 Hour Rated, Add</i>	14.99	
<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0117 EA 48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	243.92	53.90
<i>For Horizontal, Add</i>	12.30	
<i>For Dynamic Damper, Add</i>	18.45	
<i>For 3 Hour Rated, Add</i>	16.40	
<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0118 EA 48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.02	57.83
<i>For Horizontal, Add</i>	13.88	
<i>For Dynamic Damper, Add</i>	20.82	
<i>For 3 Hour Rated, Add</i>	18.51	
<i>For Damper Blades Outside Air Stream, Add</i>	27.76	
23 33 13 16-0119 EA 48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	290.47	61.64
<i>For Horizontal, Add</i>	15.81	
<i>For Dynamic Damper, Add</i>	23.72	
<i>For 3 Hour Rated, Add</i>	21.08	
<i>For Damper Blades Outside Air Stream, Add</i>	31.62	
23 33 13 16-0120 EA 48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	306.80	63.50
<i>For Horizontal, Add</i>	17.40	
<i>For Dynamic Damper, Add</i>	26.09	
<i>For 3 Hour Rated, Add</i>	23.19	
<i>For Damper Blades Outside Air Stream, Add</i>	34.79	
23 33 13 16-0121 EA 48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	326.63	65.46
<i>For Horizontal, Add</i>	19.50	
<i>For Dynamic Damper, Add</i>	29.25	
<i>For 3 Hour Rated, Add</i>	26.00	
<i>For Damper Blades Outside Air Stream, Add</i>	39.00	
23 33 13 16-0122 EA 48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	348.75	69.28
<i>For Horizontal, Add</i>	21.08	
<i>For Dynamic Damper, Add</i>	31.63	
<i>For 3 Hour Rated, Add</i>	28.11	
<i>For Damper Blades Outside Air Stream, Add</i>	42.17	
23 33 13 16-0123 EA 48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	368.58	71.25
<i>For Horizontal, Add</i>	23.19	
<i>For Dynamic Damper, Add</i>	34.79	
<i>For 3 Hour Rated, Add</i>	30.92	
<i>For Damper Blades Outside Air Stream, Add</i>	46.39	
23 33 13 16-0124 EA 48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	395.30	77.03
<i>For Horizontal, Add</i>	24.60	
<i>For Dynamic Damper, Add</i>	36.90	
<i>For 3 Hour Rated, Add</i>	32.80	
<i>For Damper Blades Outside Air Stream, Add</i>	49.19	
23 33 13 16-0125 EA 52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	151.02	32.74
<i>For Horizontal, Add</i>	7.91	
<i>For Dynamic Damper, Add</i>	11.86	
<i>For 3 Hour Rated, Add</i>	10.54	
<i>For Damper Blades Outside Air Stream, Add</i>	15.81	
23 33 13 16-0126 EA 52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.49	34.69
<i>For Horizontal, Add</i>	8.61	
<i>For Dynamic Damper, Add</i>	12.92	
<i>For 3 Hour Rated, Add</i>	11.48	
<i>For Damper Blades Outside Air Stream, Add</i>	17.22	
23 33 13 16-0127 EA 52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.74	38.51
<i>For Horizontal, Add</i>	9.31	
<i>For Dynamic Damper, Add</i>	13.97	
<i>For 3 Hour Rated, Add</i>	12.42	
<i>For Damper Blades Outside Air Stream, Add</i>	18.62	
23 33 13 16-0128 EA 52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	190.47	42.33
<i>For Horizontal, Add</i>	9.49	
<i>For Dynamic Damper, Add</i>	14.23	
<i>For 3 Hour Rated, Add</i>	12.65	
<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0129 EA 52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	207.32	46.26
<i>For Horizontal, Add</i>	10.28	
<i>For Dynamic Damper, Add</i>	15.42	
<i>For 3 Hour Rated, Add</i>	13.71	
<i>For Damper Blades Outside Air Stream, Add</i>	20.56	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 16-0130	EA	52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	224.15	50.08
		<i>For Horizontal, Add</i>	11.07	
		<i>For Dynamic Damper, Add</i>	16.61	
		<i>For 3 Hour Rated, Add</i>	14.76	
		<i>For Damper Blades Outside Air Stream, Add</i>	22.14	
23 33 13 16-0131	EA	52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	242.76	53.90
		<i>For Horizontal, Add</i>	12.12	
		<i>For Dynamic Damper, Add</i>	18.19	
		<i>For 3 Hour Rated, Add</i>	16.17	
		<i>For Damper Blades Outside Air Stream, Add</i>	24.25	
23 33 13 16-0132	EA	52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	261.34	57.83
		<i>For Horizontal, Add</i>	13.18	
		<i>For Dynamic Damper, Add</i>	19.77	
		<i>For 3 Hour Rated, Add</i>	17.57	
		<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0133	EA	52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	283.45	61.64
		<i>For Horizontal, Add</i>	14.76	
		<i>For Dynamic Damper, Add</i>	22.14	
		<i>For 3 Hour Rated, Add</i>	19.68	
		<i>For Damper Blades Outside Air Stream, Add</i>	29.52	
23 33 13 16-0134	EA	52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	309.07	65.46
		<i>For Horizontal, Add</i>	16.87	
		<i>For Dynamic Damper, Add</i>	25.30	
		<i>For 3 Hour Rated, Add</i>	22.49	
		<i>For Damper Blades Outside Air Stream, Add</i>	33.74	
23 33 13 16-0135	EA	52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	326.55	67.43
		<i>For Horizontal, Add</i>	18.62	
		<i>For Dynamic Damper, Add</i>	27.93	
		<i>For 3 Hour Rated, Add</i>	24.83	
		<i>For Damper Blades Outside Air Stream, Add</i>	37.25	
23 33 13 16-0136	EA	52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	347.58	69.28
		<i>For Horizontal, Add</i>	20.91	
		<i>For Dynamic Damper, Add</i>	31.36	
		<i>For 3 Hour Rated, Add</i>	27.88	
		<i>For Damper Blades Outside Air Stream, Add</i>	41.82	
23 33 13 16-0137	EA	52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	373.18	73.22
		<i>For Horizontal, Add</i>	23.01	
		<i>For Dynamic Damper, Add</i>	34.52	
		<i>For 3 Hour Rated, Add</i>	30.69	
		<i>For Damper Blades Outside Air Stream, Add</i>	46.03	
23 33 13 16-0138	EA	52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	395.30	77.03
		<i>For Horizontal, Add</i>	24.60	
		<i>For Dynamic Damper, Add</i>	36.90	
		<i>For 3 Hour Rated, Add</i>	32.80	
		<i>For Damper Blades Outside Air Stream, Add</i>	49.19	
23 33 13 16-0139	EA	52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	426.71	82.81
		<i>For Horizontal, Add</i>	26.71	
		<i>For Dynamic Damper, Add</i>	40.06	
		<i>For 3 Hour Rated, Add</i>	35.61	
		<i>For Damper Blades Outside Air Stream, Add</i>	53.41	
23 33 13 16-0140	EA	52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	449.98	86.63
		<i>For Horizontal, Add</i>	28.46	
		<i>For Dynamic Damper, Add</i>	42.69	
		<i>For 3 Hour Rated, Add</i>	37.95	
		<i>For Damper Blades Outside Air Stream, Add</i>	56.93	
23 33 13 16-0141	EA	56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	159.15	34.69
		<i>For Horizontal, Add</i>	8.26	
		<i>For Dynamic Damper, Add</i>	12.39	
		<i>For 3 Hour Rated, Add</i>	11.01	
		<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0142	EA	56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.57	38.51
		<i>For Horizontal, Add</i>	9.14	
		<i>For Dynamic Damper, Add</i>	13.70	
		<i>For 3 Hour Rated, Add</i>	12.18	
		<i>For Damper Blades Outside Air Stream, Add</i>	18.27	
23 33 13 16-0143	EA	56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	191.65	42.33
		<i>For Horizontal, Add</i>	9.66	
		<i>For Dynamic Damper, Add</i>	14.50	
		<i>For 3 Hour Rated, Add</i>	12.89	
		<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0144	EA	56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	204.38	46.26
		<i>For Horizontal, Add</i>	9.84	
		<i>For Dynamic Damper, Add</i>	14.76	
		<i>For 3 Hour Rated, Add</i>	13.12	
		<i>For Damper Blades Outside Air Stream, Add</i>	19.68	
23 33 13 16-0145	EA	56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	222.39	50.08
		<i>For Horizontal, Add</i>	10.81	
		<i>For Dynamic Damper, Add</i>	16.21	
		<i>For 3 Hour Rated, Add</i>	14.41	
		<i>For Damper Blades Outside Air Stream, Add</i>	21.61	
23 33 13 16-0146	EA	56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	240.41	53.90
		<i>For Horizontal, Add</i>	11.77	
		<i>For Dynamic Damper, Add</i>	17.66	
		<i>For 3 Hour Rated, Add</i>	15.70	
		<i>For Damper Blades Outside Air Stream, Add</i>	23.54	
23 33 13 16-0147	EA	56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	258.41	57.83
		<i>For Horizontal, Add</i>	12.74	
		<i>For Dynamic Damper, Add</i>	19.11	
		<i>For 3 Hour Rated, Add</i>	16.98	
		<i>For Damper Blades Outside Air Stream, Add</i>	25.48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0148 EA 56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	276.42	61.64
<i>For Horizontal, Add</i>	13.70	
<i>For Dynamic Damper, Add</i>	20.56	
<i>For 3 Hour Rated, Add</i>	18.27	
<i>For Damper Blades Outside Air Stream, Add</i>	27.41	
23 33 13 16-0149 EA 56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	302.03	65.46
<i>For Horizontal, Add</i>	15.81	
<i>For Dynamic Damper, Add</i>	23.72	
<i>For 3 Hour Rated, Add</i>	21.08	
<i>For Damper Blades Outside Air Stream, Add</i>	31.62	
23 33 13 16-0150 EA 56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	321.88	67.43
<i>For Horizontal, Add</i>	17.92	
<i>For Dynamic Damper, Add</i>	26.88	
<i>For 3 Hour Rated, Add</i>	23.90	
<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0151 EA 56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	340.55	69.28
<i>For Horizontal, Add</i>	19.85	
<i>For Dynamic Damper, Add</i>	29.78	
<i>For 3 Hour Rated, Add</i>	26.47	
<i>For Damper Blades Outside Air Stream, Add</i>	39.71	
23 33 13 16-0152 EA 56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	368.51	73.22
<i>For Horizontal, Add</i>	22.31	
<i>For Dynamic Damper, Add</i>	33.47	
<i>For 3 Hour Rated, Add</i>	29.75	
<i>For Damper Blades Outside Air Stream, Add</i>	44.63	
23 33 13 16-0153 EA 56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	394.13	77.03
<i>For Horizontal, Add</i>	24.42	
<i>For Dynamic Damper, Add</i>	36.63	
<i>For 3 Hour Rated, Add</i>	32.56	
<i>For Damper Blades Outside Air Stream, Add</i>	48.84	
23 33 13 16-0154 EA 56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	420.92	80.84
<i>For Horizontal, Add</i>	26.71	
<i>For Dynamic Damper, Add</i>	40.06	
<i>For 3 Hour Rated, Add</i>	35.61	
<i>For Damper Blades Outside Air Stream, Add</i>	53.41	
23 33 13 16-0155 EA 56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	444.20	84.78
<i>For Horizontal, Add</i>	28.46	
<i>For Dynamic Damper, Add</i>	42.69	
<i>For 3 Hour Rated, Add</i>	37.95	
<i>For Damper Blades Outside Air Stream, Add</i>	56.93	
23 33 13 16-0156 EA 56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	470.99	88.59
<i>For Horizontal, Add</i>	30.75	
<i>For Dynamic Damper, Add</i>	46.12	
<i>For 3 Hour Rated, Add</i>	41.00	
<i>For Damper Blades Outside Air Stream, Add</i>	61.49	
23 33 13 16-0157 EA 56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	497.80	92.41
<i>For Horizontal, Add</i>	33.03	
<i>For Dynamic Damper, Add</i>	49.55	
<i>For 3 Hour Rated, Add</i>	44.04	
<i>For Damper Blades Outside Air Stream, Add</i>	66.06	
23 33 13 16-0158 EA 60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	174.23	38.51
<i>For Horizontal, Add</i>	8.79	
<i>For Dynamic Damper, Add</i>	13.18	
<i>For 3 Hour Rated, Add</i>	11.71	
<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0159 EA 60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	191.65	42.33
<i>For Horizontal, Add</i>	9.66	
<i>For Dynamic Damper, Add</i>	14.50	
<i>For 3 Hour Rated, Add</i>	12.89	
<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0160 EA 60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	205.56	46.26
<i>For Horizontal, Add</i>	10.02	
<i>For Dynamic Damper, Add</i>	15.02	
<i>For 3 Hour Rated, Add</i>	13.35	
<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0161 EA 60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	218.29	50.08
<i>For Horizontal, Add</i>	10.19	
<i>For Dynamic Damper, Add</i>	15.29	
<i>For 3 Hour Rated, Add</i>	13.59	
<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0162 EA 60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	236.90	53.90
<i>For Horizontal, Add</i>	11.25	
<i>For Dynamic Damper, Add</i>	16.87	
<i>For 3 Hour Rated, Add</i>	14.99	
<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0163 EA 60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	255.48	57.83
<i>For Horizontal, Add</i>	12.30	
<i>For Dynamic Damper, Add</i>	18.45	
<i>For 3 Hour Rated, Add</i>	16.40	
<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0164 EA 60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	274.67	61.64
<i>For Horizontal, Add</i>	13.44	
<i>For Dynamic Damper, Add</i>	20.16	
<i>For 3 Hour Rated, Add</i>	17.92	
<i>For Damper Blades Outside Air Stream, Add</i>	26.88	
23 33 13 16-0165 EA 60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	293.84	65.46
<i>For Horizontal, Add</i>	14.58	
<i>For Dynamic Damper, Add</i>	21.87	
<i>For 3 Hour Rated, Add</i>	19.44	
<i>For Damper Blades Outside Air Stream, Add</i>	29.17	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 16-0166	EA	60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	314.85	67.43
		<i>For Horizontal, Add</i>	16.87	
		<i>For Dynamic Damper, Add</i>	25.30	
		<i>For 3 Hour Rated, Add</i>	22.49	
		<i>For Damper Blades Outside Air Stream, Add</i>	33.74	
23 33 13 16-0167	EA	60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	334.69	69.28
		<i>For Horizontal, Add</i>	18.98	
		<i>For Dynamic Damper, Add</i>	28.46	
		<i>For 3 Hour Rated, Add</i>	25.30	
		<i>For Damper Blades Outside Air Stream, Add</i>	37.95	
23 33 13 16-0168	EA	60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	361.49	73.22
		<i>For Horizontal, Add</i>	21.26	
		<i>For Dynamic Damper, Add</i>	31.89	
		<i>For 3 Hour Rated, Add</i>	28.35	
		<i>For Damper Blades Outside Air Stream, Add</i>	42.52	
23 33 13 16-0169	EA	60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	388.28	77.03
		<i>For Horizontal, Add</i>	23.54	
		<i>For Dynamic Damper, Add</i>	35.32	
		<i>For 3 Hour Rated, Add</i>	31.39	
		<i>For Damper Blades Outside Air Stream, Add</i>	47.09	
23 33 13 16-0170	EA	60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	411.55	80.84
		<i>For Horizontal, Add</i>	25.30	
		<i>For Dynamic Damper, Add</i>	37.95	
		<i>For 3 Hour Rated, Add</i>	33.73	
		<i>For Damper Blades Outside Air Stream, Add</i>	50.60	
23 33 13 16-0171	EA	60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	441.86	84.78
		<i>For Horizontal, Add</i>	28.11	
		<i>For Dynamic Damper, Add</i>	42.17	
		<i>For 3 Hour Rated, Add</i>	37.48	
		<i>For Damper Blades Outside Air Stream, Add</i>	56.22	
23 33 13 16-0172	EA	60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	469.82	88.59
		<i>For Horizontal, Add</i>	30.57	
		<i>For Dynamic Damper, Add</i>	45.86	
		<i>For 3 Hour Rated, Add</i>	40.76	
		<i>For Damper Blades Outside Air Stream, Add</i>	61.14	
23 33 13 16-0173	EA	60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	497.80	92.41
		<i>For Horizontal, Add</i>	33.03	
		<i>For Dynamic Damper, Add</i>	49.55	
		<i>For 3 Hour Rated, Add</i>	44.04	
		<i>For Damper Blades Outside Air Stream, Add</i>	66.06	
23 33 13 16-0174	EA	60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	523.40	96.35
		<i>For Horizontal, Add</i>	35.14	
		<i>For Dynamic Damper, Add</i>	52.71	
		<i>For 3 Hour Rated, Add</i>	46.85	
		<i>For Damper Blades Outside Air Stream, Add</i>	70.28	
23 33 13 16-0175	EA	60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	549.04	100.16
		<i>For Horizontal, Add</i>	37.25	
		<i>For Dynamic Damper, Add</i>	55.87	
		<i>For 3 Hour Rated, Add</i>	49.66	
		<i>For Damper Blades Outside Air Stream, Add</i>	74.50	

23 33 13 16-0176 Parallel Blade Louver Fire Damper (23 33 13 16)

Note: UL listed. Galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.

23 33 13 16-0177	EA	6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	72.45	12.84
		<i>For Horizontal, Add</i>	5.09	
		<i>For Dynamic Damper, Add</i>	7.64	
		<i>For 3 Hour Rated, Add</i>	6.79	
23 33 13 16-0178	EA	8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	75.64	13.41
		<i>For Horizontal, Add</i>	5.31	
		<i>For Dynamic Damper, Add</i>	7.96	
		<i>For 3 Hour Rated, Add</i>	7.08	
23 33 13 16-0179	EA	8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	77.34	13.53
		<i>For Horizontal, Add</i>	5.53	
		<i>For Dynamic Damper, Add</i>	8.29	
		<i>For 3 Hour Rated, Add</i>	7.37	
23 33 13 16-0180	EA	10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	77.34	13.53
		<i>For Horizontal, Add</i>	5.53	
		<i>For Dynamic Damper, Add</i>	8.29	
		<i>For 3 Hour Rated, Add</i>	7.37	
23 33 13 16-0181	EA	10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	79.97	13.88
		<i>For Horizontal, Add</i>	5.75	
		<i>For Dynamic Damper, Add</i>	8.62	
		<i>For 3 Hour Rated, Add</i>	7.67	
23 33 13 16-0182	EA	10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	87.51	15.38
		<i>For Horizontal, Add</i>	6.19	
		<i>For Dynamic Damper, Add</i>	9.28	
		<i>For 3 Hour Rated, Add</i>	8.25	
23 33 13 16-0183	EA	12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	79.97	13.88
		<i>For Horizontal, Add</i>	5.75	
		<i>For Dynamic Damper, Add</i>	8.62	
		<i>For 3 Hour Rated, Add</i>	7.67	
23 33 13 16-0184	EA	12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	85.20	14.69
		<i>For Horizontal, Add</i>	6.19	
		<i>For Dynamic Damper, Add</i>	9.28	
		<i>For 3 Hour Rated, Add</i>	8.25	
23 33 13 16-0185	EA	12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	88.98	15.38
		<i>For Horizontal, Add</i>	6.41	
		<i>For Dynamic Damper, Add</i>	9.61	
		<i>For 3 Hour Rated, Add</i>	8.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0186	EA		12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	96.23	17.35
			<i>For Horizontal, Add</i>	6.63	
			<i>For Dynamic Damper, Add</i>	9.94	
			<i>For 3 Hour Rated, Add</i>	8.84	
23 33 13 16-0187	EA		14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.47	14.69
			<i>For Horizontal, Add</i>	6.08	
			<i>For Dynamic Damper, Add</i>	9.12	
			<i>For 3 Hour Rated, Add</i>	8.10	
23 33 13 16-0188	EA		14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	88.98	15.38
			<i>For Horizontal, Add</i>	6.41	
			<i>For Dynamic Damper, Add</i>	9.61	
			<i>For 3 Hour Rated, Add</i>	8.54	
23 33 13 16-0189	EA		14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.76	16.20
			<i>For Horizontal, Add</i>	6.63	
			<i>For Dynamic Damper, Add</i>	9.94	
			<i>For 3 Hour Rated, Add</i>	8.84	
23 33 13 16-0190	EA		14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.69	17.35
			<i>For Horizontal, Add</i>	6.85	
			<i>For Dynamic Damper, Add</i>	10.27	
			<i>For 3 Hour Rated, Add</i>	9.13	
23 33 13 16-0191	EA		14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	107.14	19.31
			<i>For Horizontal, Add</i>	7.40	
			<i>For Dynamic Damper, Add</i>	11.09	
			<i>For 3 Hour Rated, Add</i>	9.86	
23 33 13 16-0192	EA		16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.92	15.38
			<i>For Horizontal, Add</i>	8.95	
			<i>For Dynamic Damper, Add</i>	13.42	
			<i>For 3 Hour Rated, Add</i>	11.93	
23 33 13 16-0193	EA		16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	111.04	16.54
			<i>For Horizontal, Add</i>	9.20	
			<i>For Dynamic Damper, Add</i>	13.79	
			<i>For 3 Hour Rated, Add</i>	12.26	
23 33 13 16-0194	EA		16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	117.31	18.16
			<i>For Horizontal, Add</i>	9.44	
			<i>For Dynamic Damper, Add</i>	14.16	
			<i>For 3 Hour Rated, Add</i>	12.59	
23 33 13 16-0195	EA		16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	122.41	19.31
			<i>For Horizontal, Add</i>	9.69	
			<i>For Dynamic Damper, Add</i>	14.53	
			<i>For 3 Hour Rated, Add</i>	12.92	
23 33 13 16-0196	EA		16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.30	21.17
			<i>For Horizontal, Add</i>	10.30	
			<i>For Dynamic Damper, Add</i>	15.46	
			<i>For 3 Hour Rated, Add</i>	13.74	
23 33 13 16-0197	EA		16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	142.19	23.13
			<i>For Horizontal, Add</i>	10.92	
			<i>For Dynamic Damper, Add</i>	16.38	
			<i>For 3 Hour Rated, Add</i>	14.56	
23 33 13 16-0198	EA		18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.88	16.20
			<i>For Horizontal, Add</i>	9.20	
			<i>For Dynamic Damper, Add</i>	13.79	
			<i>For 3 Hour Rated, Add</i>	12.26	
23 33 13 16-0199	EA		18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	115.81	17.35
			<i>For Horizontal, Add</i>	9.56	
			<i>For Dynamic Damper, Add</i>	14.35	
			<i>For 3 Hour Rated, Add</i>	12.75	
23 33 13 16-0200	EA		18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	124.07	19.31
			<i>For Horizontal, Add</i>	9.94	
			<i>For Dynamic Damper, Add</i>	14.90	
			<i>For 3 Hour Rated, Add</i>	13.25	
23 33 13 16-0201	EA		18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	133.94	21.17
			<i>For Horizontal, Add</i>	10.55	
			<i>For Dynamic Damper, Add</i>	15.82	
			<i>For 3 Hour Rated, Add</i>	14.07	
23 33 13 16-0202	EA		18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	143.01	23.13
			<i>For Horizontal, Add</i>	11.04	
			<i>For Dynamic Damper, Add</i>	16.56	
			<i>For 3 Hour Rated, Add</i>	14.72	
23 33 13 16-0203	EA		18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.89	24.98
			<i>For Horizontal, Add</i>	11.66	
			<i>For Dynamic Damper, Add</i>	17.48	
			<i>For 3 Hour Rated, Add</i>	15.54	
23 33 13 16-0204	EA		18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.13	26.95
			<i>For Horizontal, Add</i>	12.03	
			<i>For Dynamic Damper, Add</i>	18.04	
			<i>For 3 Hour Rated, Add</i>	16.03	
23 33 13 16-0205	EA		20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	115.00	17.35
			<i>For Horizontal, Add</i>	9.44	
			<i>For Dynamic Damper, Add</i>	14.16	
			<i>For 3 Hour Rated, Add</i>	12.59	
23 33 13 16-0206	EA		20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	124.05	19.31
			<i>For Horizontal, Add</i>	9.93	
			<i>For Dynamic Damper, Add</i>	14.90	
			<i>For 3 Hour Rated, Add</i>	13.24	
23 33 13 16-0207	EA		20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	133.12	21.17
			<i>For Horizontal, Add</i>	10.43	
			<i>For Dynamic Damper, Add</i>	15.64	
			<i>For 3 Hour Rated, Add</i>	13.90	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0208	EA		20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.48	23.13
			For Horizontal, Add	11.41	
			For Dynamic Damper, Add	17.12	
			For 3 Hour Rated, Add	15.22	
23 33 13 16-0209	EA		20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.72	24.98
			For Horizontal, Add	11.78	
			For Dynamic Damper, Add	17.67	
			For 3 Hour Rated, Add	15.71	
23 33 13 16-0210	EA		20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.95	26.95
			For Horizontal, Add	12.15	
			For Dynamic Damper, Add	18.22	
			For 3 Hour Rated, Add	16.20	
23 33 13 16-0211	EA		20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.01	28.92
			For Horizontal, Add	12.64	
			For Dynamic Damper, Add	18.96	
			For 3 Hour Rated, Add	16.85	
23 33 13 16-0212	EA		20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.07	30.77
			For Horizontal, Add	13.13	
			For Dynamic Damper, Add	19.70	
			For 3 Hour Rated, Add	17.51	
23 33 13 16-0213	EA		24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.13	19.31
			For Horizontal, Add	12.20	
			For Dynamic Damper, Add	18.29	
			For 3 Hour Rated, Add	16.26	
23 33 13 16-0214	EA		24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.84	21.17
			For Horizontal, Add	12.93	
			For Dynamic Damper, Add	19.40	
			For 3 Hour Rated, Add	17.25	
23 33 13 16-0215	EA		24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.92	23.13
			For Horizontal, Add	13.43	
			For Dynamic Damper, Add	20.14	
			For 3 Hour Rated, Add	17.90	
23 33 13 16-0216	EA		24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.60	24.98
			For Horizontal, Add	14.16	
			For Dynamic Damper, Add	21.24	
			For 3 Hour Rated, Add	18.88	
23 33 13 16-0217	EA		24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.85	26.95
			For Horizontal, Add	14.53	
			For Dynamic Damper, Add	21.80	
			For 3 Hour Rated, Add	19.38	
23 33 13 16-0218	EA		24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.08	28.92
			For Horizontal, Add	14.90	
			For Dynamic Damper, Add	22.35	
			For 3 Hour Rated, Add	19.87	
23 33 13 16-0219	EA		24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.79	30.77
			For Horizontal, Add	15.64	
			For Dynamic Damper, Add	23.46	
			For 3 Hour Rated, Add	20.85	
23 33 13 16-0220	EA		24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.27	34.69
			For Horizontal, Add	16.38	
			For Dynamic Damper, Add	24.57	
			For 3 Hour Rated, Add	21.84	
23 33 13 16-0221	EA		24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.40	38.51
			For Horizontal, Add	17.36	
			For Dynamic Damper, Add	26.04	
			For 3 Hour Rated, Add	23.15	
23 33 13 16-0222	EA		28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.84	21.17
			For Horizontal, Add	12.93	
			For Dynamic Damper, Add	19.40	
			For 3 Hour Rated, Add	17.25	
23 33 13 16-0223	EA		28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.92	23.13
			For Horizontal, Add	13.43	
			For Dynamic Damper, Add	20.14	
			For 3 Hour Rated, Add	17.90	
23 33 13 16-0224	EA		28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.60	24.98
			For Horizontal, Add	14.16	
			For Dynamic Damper, Add	21.24	
			For 3 Hour Rated, Add	18.88	
23 33 13 16-0225	EA		28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	178.66	26.95
			For Horizontal, Add	14.66	
			For Dynamic Damper, Add	21.98	
			For 3 Hour Rated, Add	19.54	
23 33 13 16-0226	EA		28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.55	28.92
			For Horizontal, Add	15.27	
			For Dynamic Damper, Add	22.91	
			For 3 Hour Rated, Add	20.36	
23 33 13 16-0227	EA		28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.42	30.77
			For Horizontal, Add	15.88	
			For Dynamic Damper, Add	23.83	
			For 3 Hour Rated, Add	21.18	
23 33 13 16-0228	EA		28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.91	34.69
			For Horizontal, Add	16.62	
			For Dynamic Damper, Add	24.93	
			For 3 Hour Rated, Add	22.16	
23 33 13 16-0229	EA		28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.40	38.51
			For Horizontal, Add	17.36	
			For Dynamic Damper, Add	26.04	
			For 3 Hour Rated, Add	23.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0230	EA		28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	247.03	40.48
			<i>For Horizontal, Add</i>	18.84	
			<i>For Dynamic Damper, Add</i>	28.26	
			<i>For 3 Hour Rated, Add</i>	25.12	
23 33 13 16-0231	EA		28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.79	44.30
			<i>For Horizontal, Add</i>	20.07	
			<i>For Dynamic Damper, Add</i>	30.10	
			<i>For 3 Hour Rated, Add</i>	26.76	
23 33 13 16-0232	EA		32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	163.82	23.13
			<i>For Horizontal, Add</i>	14.16	
			<i>For Dynamic Damper, Add</i>	21.24	
			<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0233	EA		32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	171.23	24.98
			<i>For Horizontal, Add</i>	14.41	
			<i>For Dynamic Damper, Add</i>	21.61	
			<i>For 3 Hour Rated, Add</i>	19.21	
23 33 13 16-0234	EA		32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	178.66	26.95
			<i>For Horizontal, Add</i>	14.66	
			<i>For Dynamic Damper, Add</i>	21.98	
			<i>For 3 Hour Rated, Add</i>	19.54	
23 33 13 16-0235	EA		32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	187.71	28.92
			<i>For Horizontal, Add</i>	15.15	
			<i>For Dynamic Damper, Add</i>	22.72	
			<i>For 3 Hour Rated, Add</i>	20.19	
23 33 13 16-0236	EA		32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	198.73	30.77
			<i>For Horizontal, Add</i>	15.93	
			<i>For Dynamic Damper, Add</i>	23.90	
			<i>For 3 Hour Rated, Add</i>	21.24	
23 33 13 16-0237	EA		32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.91	34.69
			<i>For Horizontal, Add</i>	16.62	
			<i>For Dynamic Damper, Add</i>	24.93	
			<i>For 3 Hour Rated, Add</i>	22.16	
23 33 13 16-0238	EA		32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	233.05	38.51
			<i>For Horizontal, Add</i>	17.61	
			<i>For Dynamic Damper, Add</i>	26.41	
			<i>For 3 Hour Rated, Add</i>	23.48	
23 33 13 16-0239	EA		32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	251.17	42.33
			<i>For Horizontal, Add</i>	18.59	
			<i>For Dynamic Damper, Add</i>	27.89	
			<i>For 3 Hour Rated, Add</i>	24.79	
23 33 13 16-0240	EA		32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.79	44.30
			<i>For Horizontal, Add</i>	20.07	
			<i>For Dynamic Damper, Add</i>	30.10	
			<i>For 3 Hour Rated, Add</i>	26.76	
23 33 13 16-0241	EA		32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	287.52	47.42
			<i>For Horizontal, Add</i>	21.79	
			<i>For Dynamic Damper, Add</i>	32.68	
			<i>For 3 Hour Rated, Add</i>	29.05	
23 33 13 16-0242	EA		32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	308.73	50.08
			<i>For Horizontal, Add</i>	23.76	
			<i>For Dynamic Damper, Add</i>	35.64	
			<i>For 3 Hour Rated, Add</i>	31.68	
23 33 13 16-0243	EA		36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	182.96	24.98
			<i>For Horizontal, Add</i>	16.17	
			<i>For Dynamic Damper, Add</i>	24.25	
			<i>For 3 Hour Rated, Add</i>	21.56	
23 33 13 16-0244	EA		36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	192.47	26.95
			<i>For Horizontal, Add</i>	16.73	
			<i>For Dynamic Damper, Add</i>	25.09	
			<i>For 3 Hour Rated, Add</i>	22.30	
23 33 13 16-0245	EA		36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.00	28.92
			<i>For Horizontal, Add</i>	17.29	
			<i>For Dynamic Damper, Add</i>	25.93	
			<i>For 3 Hour Rated, Add</i>	23.05	
23 33 13 16-0246	EA		36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	213.42	30.77
			<i>For Horizontal, Add</i>	18.13	
			<i>For Dynamic Damper, Add</i>	27.20	
			<i>For 3 Hour Rated, Add</i>	24.18	
23 33 13 16-0247	EA		36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	227.80	34.69
			<i>For Horizontal, Add</i>	18.56	
			<i>For Dynamic Damper, Add</i>	27.83	
			<i>For 3 Hour Rated, Add</i>	24.74	
23 33 13 16-0248	EA		36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	236.41	36.55
			<i>For Horizontal, Add</i>	18.98	
			<i>For Dynamic Damper, Add</i>	28.47	
			<i>For 3 Hour Rated, Add</i>	25.31	
23 33 13 16-0249	EA		36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	263.12	42.33
			<i>For Horizontal, Add</i>	20.39	
			<i>For Dynamic Damper, Add</i>	30.58	
			<i>For 3 Hour Rated, Add</i>	27.18	
23 33 13 16-0250	EA		36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	284.05	46.26
			<i>For Horizontal, Add</i>	21.79	
			<i>For Dynamic Damper, Add</i>	32.68	
			<i>For 3 Hour Rated, Add</i>	29.05	
23 33 13 16-0251	EA		36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	299.93	47.77
			<i>For Horizontal, Add</i>	23.48	
			<i>For Dynamic Damper, Add</i>	35.21	
			<i>For 3 Hour Rated, Add</i>	31.30	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0252	EA		36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	325.32	51.23
			<i>For Horizontal, Add</i>	25.72	
			<i>For Dynamic Damper, Add</i>	38.59	
			<i>For 3 Hour Rated, Add</i>	34.30	
23 33 13 16-0253	EA		36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	346.53	53.90
			<i>For Horizontal, Add</i>	27.69	
			<i>For Dynamic Damper, Add</i>	41.54	
			<i>For 3 Hour Rated, Add</i>	36.92	
23 33 13 16-0254	EA		36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.31	55.86
			<i>For Horizontal, Add</i>	29.94	
			<i>For Dynamic Damper, Add</i>	44.91	
			<i>For 3 Hour Rated, Add</i>	39.92	
23 33 13 16-0255	EA		40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	204.04	28.92
			<i>For Horizontal, Add</i>	18.46	
			<i>For Dynamic Damper, Add</i>	27.69	
			<i>For 3 Hour Rated, Add</i>	24.62	
23 33 13 16-0256	EA		40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.32	30.77
			<i>For Horizontal, Add</i>	19.59	
			<i>For Dynamic Damper, Add</i>	29.38	
			<i>For 3 Hour Rated, Add</i>	26.12	
23 33 13 16-0257	EA		40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.98	32.74
			<i>For Horizontal, Add</i>	19.87	
			<i>For Dynamic Damper, Add</i>	29.80	
			<i>For 3 Hour Rated, Add</i>	26.49	
23 33 13 16-0258	EA		40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.64	34.69
			<i>For Horizontal, Add</i>	20.15	
			<i>For Dynamic Damper, Add</i>	30.22	
			<i>For 3 Hour Rated, Add</i>	26.87	
23 33 13 16-0259	EA		40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.77	36.55
			<i>For Horizontal, Add</i>	21.13	
			<i>For Dynamic Damper, Add</i>	31.70	
			<i>For 3 Hour Rated, Add</i>	28.18	
23 33 13 16-0260	EA		40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.11	38.51
			<i>For Horizontal, Add</i>	22.12	
			<i>For Dynamic Damper, Add</i>	33.18	
			<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0261	EA		40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.96	44.30
			<i>For Horizontal, Add</i>	23.24	
			<i>For Dynamic Damper, Add</i>	34.86	
			<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0262	EA		40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.02	48.12
			<i>For Horizontal, Add</i>	24.37	
			<i>For Dynamic Damper, Add</i>	36.55	
			<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0263	EA		40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	327.52	51.23
			<i>For Horizontal, Add</i>	26.05	
			<i>For Dynamic Damper, Add</i>	39.08	
			<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0264	EA		40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.23	53.90
			<i>For Horizontal, Add</i>	29.15	
			<i>For Dynamic Damper, Add</i>	43.72	
			<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0265	EA		40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	376.71	57.02
			<i>For Horizontal, Add</i>	30.83	
			<i>For Dynamic Damper, Add</i>	46.25	
			<i>For 3 Hour Rated, Add</i>	41.11	
23 33 13 16-0266	EA		40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	401.96	58.53
			<i>For Horizontal, Add</i>	33.92	
			<i>For Dynamic Damper, Add</i>	50.89	
			<i>For 3 Hour Rated, Add</i>	45.23	
23 33 13 16-0267	EA		40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.96	61.64
			<i>For Horizontal, Add</i>	36.74	
			<i>For Dynamic Damper, Add</i>	55.10	
			<i>For 3 Hour Rated, Add</i>	48.98	
23 33 13 16-0268	EA		44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.57	28.92
			<i>For Horizontal, Add</i>	19.02	
			<i>For Dynamic Damper, Add</i>	28.54	
			<i>For 3 Hour Rated, Add</i>	25.37	
23 33 13 16-0269	EA		44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	226.86	30.77
			<i>For Horizontal, Add</i>	20.15	
			<i>For Dynamic Damper, Add</i>	30.22	
			<i>For 3 Hour Rated, Add</i>	26.87	
23 33 13 16-0270	EA		44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.27	32.74
			<i>For Horizontal, Add</i>	20.99	
			<i>For Dynamic Damper, Add</i>	31.49	
			<i>For 3 Hour Rated, Add</i>	27.99	
23 33 13 16-0271	EA		44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.92	34.69
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0272	EA		44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.21	36.55
			<i>For Horizontal, Add</i>	22.40	
			<i>For Dynamic Damper, Add</i>	33.60	
			<i>For 3 Hour Rated, Add</i>	29.87	
23 33 13 16-0273	EA		44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.49	38.51
			<i>For Horizontal, Add</i>	23.52	
			<i>For Dynamic Damper, Add</i>	35.29	
			<i>For 3 Hour Rated, Add</i>	31.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0274	EA		44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	304.99	46.26
			<i>For Horizontal, Add</i>	24.93	
			<i>For Dynamic Damper, Add</i>	37.40	
			<i>For 3 Hour Rated, Add</i>	33.24	
23 33 13 16-0275	EA		44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	325.91	50.08
			<i>For Horizontal, Add</i>	26.33	
			<i>For Dynamic Damper, Add</i>	39.50	
			<i>For 3 Hour Rated, Add</i>	35.11	
23 33 13 16-0276	EA		44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	356.23	53.90
			<i>For Horizontal, Add</i>	29.15	
			<i>For Dynamic Damper, Add</i>	43.72	
			<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0277	EA		44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	384.66	57.83
			<i>For Horizontal, Add</i>	31.68	
			<i>For Dynamic Damper, Add</i>	47.51	
			<i>For 3 Hour Rated, Add</i>	42.23	
23 33 13 16-0278	EA		44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	414.96	61.64
			<i>For Horizontal, Add</i>	34.49	
			<i>For Dynamic Damper, Add</i>	51.73	
			<i>For 3 Hour Rated, Add</i>	45.98	
23 33 13 16-0279	EA		44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	437.60	63.50
			<i>For Horizontal, Add</i>	37.02	
			<i>For Dynamic Damper, Add</i>	55.52	
			<i>For 3 Hour Rated, Add</i>	49.35	
23 33 13 16-0280	EA		44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	460.26	65.46
			<i>For Horizontal, Add</i>	39.55	
			<i>For Dynamic Damper, Add</i>	59.32	
			<i>For 3 Hour Rated, Add</i>	52.73	
23 33 13 16-0281	EA		44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	482.92	67.43
			<i>For Horizontal, Add</i>	42.08	
			<i>For Dynamic Damper, Add</i>	63.12	
			<i>For 3 Hour Rated, Add</i>	56.10	
23 33 13 16-0282	EA		48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	224.98	30.77
			<i>For Horizontal, Add</i>	19.87	
			<i>For Dynamic Damper, Add</i>	29.80	
			<i>For 3 Hour Rated, Add</i>	26.49	
23 33 13 16-0283	EA		48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	238.27	32.74
			<i>For Horizontal, Add</i>	20.99	
			<i>For Dynamic Damper, Add</i>	31.49	
			<i>For 3 Hour Rated, Add</i>	27.99	
23 33 13 16-0284	EA		48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	245.92	34.69
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0285	EA		48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	263.11	38.51
			<i>For Horizontal, Add</i>	22.12	
			<i>For Dynamic Damper, Add</i>	33.18	
			<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0286	EA		48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	282.17	42.33
			<i>For Horizontal, Add</i>	23.24	
			<i>For Dynamic Damper, Add</i>	34.86	
			<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0287	EA		48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	301.23	46.26
			<i>For Horizontal, Add</i>	24.37	
			<i>For Dynamic Damper, Add</i>	36.55	
			<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0288	EA		48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	324.04	50.08
			<i>For Horizontal, Add</i>	26.05	
			<i>For Dynamic Damper, Add</i>	39.08	
			<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0289	EA		48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	346.86	53.90
			<i>For Horizontal, Add</i>	27.74	
			<i>For Dynamic Damper, Add</i>	41.61	
			<i>For 3 Hour Rated, Add</i>	36.99	
23 33 13 16-0290	EA		48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	375.29	57.83
			<i>For Horizontal, Add</i>	30.27	
			<i>For Dynamic Damper, Add</i>	45.41	
			<i>For 3 Hour Rated, Add</i>	40.36	
23 33 13 16-0291	EA		48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	407.46	61.64
			<i>For Horizontal, Add</i>	33.36	
			<i>For Dynamic Damper, Add</i>	50.04	
			<i>For 3 Hour Rated, Add</i>	44.48	
23 33 13 16-0292	EA		48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	430.12	63.50
			<i>For Horizontal, Add</i>	35.89	
			<i>For Dynamic Damper, Add</i>	53.84	
			<i>For 3 Hour Rated, Add</i>	47.86	
23 33 13 16-0293	EA		48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	458.38	65.46
			<i>For Horizontal, Add</i>	39.26	
			<i>For Dynamic Damper, Add</i>	58.90	
			<i>For 3 Hour Rated, Add</i>	52.35	
23 33 13 16-0294	EA		48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	486.83	69.28
			<i>For Horizontal, Add</i>	41.80	
			<i>For Dynamic Damper, Add</i>	62.69	
			<i>For 3 Hour Rated, Add</i>	55.73	
23 33 13 16-0295	EA		48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	515.09	71.25
			<i>For Horizontal, Add</i>	45.17	
			<i>For Dynamic Damper, Add</i>	67.75	
			<i>For 3 Hour Rated, Add</i>	60.23	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 33 13 16-0296	EA 48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	547.44	77.03
	For Horizontal, Add	47.42	
	For Dynamic Damper, Add	71.13	
	For 3 Hour Rated, Add	63.22	
23 33 13 16-0297	EA 52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.39	32.74
	For Horizontal, Add	20.71	
	For Dynamic Damper, Add	31.07	
	For 3 Hour Rated, Add	27.62	
23 33 13 16-0298	EA 52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.67	34.69
	For Horizontal, Add	21.84	
	For Dynamic Damper, Add	32.76	
	For 3 Hour Rated, Add	29.12	
23 33 13 16-0299	EA 52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.74	38.51
	For Horizontal, Add	22.96	
	For Dynamic Damper, Add	34.44	
	For 3 Hour Rated, Add	30.62	
23 33 13 16-0300	EA 52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.17	42.33
	For Horizontal, Add	23.24	
	For Dynamic Damper, Add	34.86	
	For 3 Hour Rated, Add	30.99	
23 33 13 16-0301	EA 52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	302.18	46.26
	For Horizontal, Add	24.51	
	For Dynamic Damper, Add	36.76	
	For 3 Hour Rated, Add	32.68	
23 33 13 16-0302	EA 52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	322.16	50.08
	For Horizontal, Add	25.77	
	For Dynamic Damper, Add	38.66	
	For 3 Hour Rated, Add	34.36	
23 33 13 16-0303	EA 52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.99	53.90
	For Horizontal, Add	27.46	
	For Dynamic Damper, Add	41.19	
	For 3 Hour Rated, Add	36.61	
23 33 13 16-0304	EA 52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.79	57.83
	For Horizontal, Add	29.15	
	For Dynamic Damper, Add	43.72	
	For 3 Hour Rated, Add	38.86	
23 33 13 16-0305	EA 52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.23	61.64
	For Horizontal, Add	31.68	
	For Dynamic Damper, Add	47.51	
	For 3 Hour Rated, Add	42.23	
23 33 13 16-0306	EA 52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	430.27	65.46
	For Horizontal, Add	35.05	
	For Dynamic Damper, Add	52.57	
	For 3 Hour Rated, Add	46.73	
23 33 13 16-0307	EA 52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	454.79	67.43
	For Horizontal, Add	37.86	
	For Dynamic Damper, Add	56.79	
	For 3 Hour Rated, Add	50.48	
23 33 13 16-0308	EA 52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	484.95	69.28
	For Horizontal, Add	41.51	
	For Dynamic Damper, Add	62.27	
	For 3 Hour Rated, Add	55.35	
23 33 13 16-0309	EA 52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	518.99	73.22
	For Horizontal, Add	44.89	
	For Dynamic Damper, Add	67.33	
	For 3 Hour Rated, Add	59.85	
23 33 13 16-0310	EA 52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	547.44	77.03
	For Horizontal, Add	47.42	
	For Dynamic Damper, Add	71.13	
	For 3 Hour Rated, Add	63.22	
23 33 13 16-0311	EA 52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	587.27	82.81
	For Horizontal, Add	50.79	
	For Dynamic Damper, Add	76.19	
	For 3 Hour Rated, Add	67.72	
23 33 13 16-0312	EA 52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	617.58	86.63
	For Horizontal, Add	53.60	
	For Dynamic Damper, Add	80.40	
	For 3 Hour Rated, Add	71.47	
23 33 13 16-0313	EA 56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.92	34.69
	For Horizontal, Add	21.27	
	For Dynamic Damper, Add	31.91	
	For 3 Hour Rated, Add	28.37	
23 33 13 16-0314	EA 56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.85	38.51
	For Horizontal, Add	22.68	
	For Dynamic Damper, Add	34.02	
	For 3 Hour Rated, Add	30.24	
23 33 13 16-0315	EA 56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.05	42.33
	For Horizontal, Add	23.52	
	For Dynamic Damper, Add	35.29	
	For 3 Hour Rated, Add	31.37	
23 33 13 16-0316	EA 56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.48	46.26
	For Horizontal, Add	23.80	
	For Dynamic Damper, Add	35.71	
	For 3 Hour Rated, Add	31.74	
23 33 13 16-0317	EA 56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.36	50.08
	For Horizontal, Add	25.35	
	For Dynamic Damper, Add	38.03	
	For 3 Hour Rated, Add	33.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0318	EA		56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	341.24	53.90
			<i>For Horizontal, Add</i>	26.90	
			<i>For Dynamic Damper, Add</i>	40.34	
			<i>For 3 Hour Rated, Add</i>	35.86	
23 33 13 16-0319	EA		56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.11	57.83
			<i>For Horizontal, Add</i>	28.44	
			<i>For Dynamic Damper, Add</i>	42.66	
			<i>For 3 Hour Rated, Add</i>	37.92	
23 33 13 16-0320	EA		56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	384.98	61.64
			<i>For Horizontal, Add</i>	29.99	
			<i>For Dynamic Damper, Add</i>	44.98	
			<i>For 3 Hour Rated, Add</i>	39.98	
23 33 13 16-0321	EA		56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	419.02	65.46
			<i>For Horizontal, Add</i>	33.36	
			<i>For Dynamic Damper, Add</i>	50.04	
			<i>For 3 Hour Rated, Add</i>	44.48	
23 33 13 16-0322	EA		56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	447.30	67.43
			<i>For Horizontal, Add</i>	36.74	
			<i>For Dynamic Damper, Add</i>	55.10	
			<i>For 3 Hour Rated, Add</i>	48.98	
23 33 13 16-0323	EA		56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	473.70	69.28
			<i>For Horizontal, Add</i>	39.83	
			<i>For Dynamic Damper, Add</i>	59.74	
			<i>For 3 Hour Rated, Add</i>	53.10	
23 33 13 16-0324	EA		56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	511.51	73.22
			<i>For Horizontal, Add</i>	43.76	
			<i>For Dynamic Damper, Add</i>	65.65	
			<i>For 3 Hour Rated, Add</i>	58.35	
23 33 13 16-0325	EA		56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	545.56	77.03
			<i>For Horizontal, Add</i>	47.14	
			<i>For Dynamic Damper, Add</i>	70.70	
			<i>For 3 Hour Rated, Add</i>	62.85	
23 33 13 16-0326	EA		56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	581.48	80.84
			<i>For Horizontal, Add</i>	50.79	
			<i>For Dynamic Damper, Add</i>	76.19	
			<i>For 3 Hour Rated, Add</i>	67.72	
23 33 13 16-0327	EA		56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	611.80	84.78
			<i>For Horizontal, Add</i>	53.60	
			<i>For Dynamic Damper, Add</i>	80.40	
			<i>For 3 Hour Rated, Add</i>	71.47	
23 33 13 16-0328	EA		56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	647.72	88.59
			<i>For Horizontal, Add</i>	57.26	
			<i>For Dynamic Damper, Add</i>	85.88	
			<i>For 3 Hour Rated, Add</i>	76.34	
23 33 13 16-0329	EA		56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	683.66	92.41
			<i>For Horizontal, Add</i>	60.91	
			<i>For Dynamic Damper, Add</i>	91.37	
			<i>For 3 Hour Rated, Add</i>	81.21	
23 33 13 16-0330	EA		60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.11	38.51
			<i>For Horizontal, Add</i>	22.12	
			<i>For Dynamic Damper, Add</i>	33.18	
			<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0331	EA		60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.05	42.33
			<i>For Horizontal, Add</i>	23.52	
			<i>For Dynamic Damper, Add</i>	35.29	
			<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0332	EA		60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	299.35	46.26
			<i>For Horizontal, Add</i>	24.08	
			<i>For Dynamic Damper, Add</i>	36.13	
			<i>For 3 Hour Rated, Add</i>	32.11	
23 33 13 16-0333	EA		60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.79	50.08
			<i>For Horizontal, Add</i>	24.37	
			<i>For Dynamic Damper, Add</i>	36.55	
			<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0334	EA		60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.62	53.90
			<i>For Horizontal, Add</i>	26.05	
			<i>For Dynamic Damper, Add</i>	39.08	
			<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0335	EA		60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.42	57.83
			<i>For Horizontal, Add</i>	27.74	
			<i>For Dynamic Damper, Add</i>	41.61	
			<i>For 3 Hour Rated, Add</i>	36.99	
23 33 13 16-0336	EA		60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.17	61.64
			<i>For Horizontal, Add</i>	29.57	
			<i>For Dynamic Damper, Add</i>	44.35	
			<i>For 3 Hour Rated, Add</i>	39.42	
23 33 13 16-0337	EA		60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.91	65.46
			<i>For Horizontal, Add</i>	31.39	
			<i>For Dynamic Damper, Add</i>	47.09	
			<i>For 3 Hour Rated, Add</i>	41.86	
23 33 13 16-0338	EA		60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.05	67.43
			<i>For Horizontal, Add</i>	35.05	
			<i>For Dynamic Damper, Add</i>	52.57	
			<i>For 3 Hour Rated, Add</i>	46.73	
23 33 13 16-0339	EA		60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	464.33	69.28
			<i>For Horizontal, Add</i>	38.42	
			<i>For Dynamic Damper, Add</i>	57.63	
			<i>For 3 Hour Rated, Add</i>	51.23	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 16-0340	EA	60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	500.27	73.22
		<i>For Horizontal, Add</i>	42.08	
		<i>For Dynamic Damper, Add</i>	63.12	
		<i>For 3 Hour Rated, Add</i>	56.10	
23 33 13 16-0341	EA	60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	536.20	77.03
		<i>For Horizontal, Add</i>	45.73	
		<i>For Dynamic Damper, Add</i>	68.60	
		<i>For 3 Hour Rated, Add</i>	60.98	
23 33 13 16-0342	EA	60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	566.50	80.84
		<i>For Horizontal, Add</i>	48.54	
		<i>For Dynamic Damper, Add</i>	72.81	
		<i>For 3 Hour Rated, Add</i>	64.72	
23 33 13 16-0343	EA	60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	608.05	84.78
		<i>For Horizontal, Add</i>	53.04	
		<i>For Dynamic Damper, Add</i>	79.56	
		<i>For 3 Hour Rated, Add</i>	70.72	
23 33 13 16-0344	EA	60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	645.84	88.59
		<i>For Horizontal, Add</i>	56.97	
		<i>For Dynamic Damper, Add</i>	85.46	
		<i>For 3 Hour Rated, Add</i>	75.97	
23 33 13 16-0345	EA	60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	683.66	92.41
		<i>For Horizontal, Add</i>	60.91	
		<i>For Dynamic Damper, Add</i>	91.37	
		<i>For 3 Hour Rated, Add</i>	81.21	
23 33 13 16-0346	EA	60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	717.70	96.35
		<i>For Horizontal, Add</i>	64.28	
		<i>For Dynamic Damper, Add</i>	96.42	
		<i>For 3 Hour Rated, Add</i>	85.71	
23 33 13 16-0347	EA	60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	751.78	100.16
		<i>For Horizontal, Add</i>	67.66	
		<i>For Dynamic Damper, Add</i>	101.49	
		<i>For 3 Hour Rated, Add</i>	90.21	

23 33 13 16-0348 Round 2 Hour Fire Damper (23 33 13 16)

23 33 13 16-0349	EA	4" Round 2 Hour Fire Damper	62.21	23.13
23 33 13 16-0350	EA	5" Round 2 Hour Fire Damper	63.35	23.13
23 33 13 16-0351	EA	6" Round 2 Hour Fire Damper	73.09	26.25
23 33 13 16-0352	EA	7" Round 2 Hour Fire Damper	74.33	26.25
23 33 13 16-0353	EA	8" Round 2 Hour Fire Damper	85.18	28.92
23 33 13 16-0354	EA	9" Round 2 Hour Fire Damper	88.60	28.92
23 33 13 16-0355	EA	10" Round 2 Hour Fire Damper	98.45	32.15
23 33 13 16-0356	EA	12" Round 2 Hour Fire Damper	110.67	36.20
23 33 13 16-0357	EA	14" Round 2 Hour Fire Damper	126.13	41.29

23 33 13 16-0358 Round 4 Hour Fire Damper (23 33 13 16)

23 33 13 16-0359	EA	4" Round 4 Hour Fire Damper	70.44	26.25
23 33 13 16-0360	EA	5" Round 4 Hour Fire Damper	73.55	26.25
23 33 13 16-0361	EA	6" Round 4 Hour Fire Damper	81.96	28.92
23 33 13 16-0362	EA	7" Round 4 Hour Fire Damper	85.98	28.92
23 33 13 16-0363	EA	8" Round 4 Hour Fire Damper	96.42	32.15
23 33 13 16-0364	EA	9" Round 4 Hour Fire Damper	98.87	32.15
23 33 13 16-0365	EA	10" Round 4 Hour Fire Damper	110.74	36.20
23 33 13 16-0366	EA	12" Round 4 Hour Fire Damper	124.58	41.29
23 33 13 16-0367	EA	14" Round 4 Hour Fire Damper	145.35	48.23

23 33 13 19 Smoke-Control Dampers (23 33 13)**23 33 13 19-0001 Combination Smoke/Fire Damper (23 33 13 19)**

Note: Leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	112.46	19.26
		<i>For 3 Hour Rated, Add</i>	10.94	
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.41	20.13
		<i>For 3 Hour Rated, Add</i>	11.21	
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.10	20.30
		<i>For 3 Hour Rated, Add</i>	11.48	
23 33 13 19-0005	EA	10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.10	20.30
		<i>For 3 Hour Rated, Add</i>	11.48	
23 33 13 19-0006	EA	10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.18	20.82
		<i>For 3 Hour Rated, Add</i>	11.74	
23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.82	23.07
		<i>For 3 Hour Rated, Add</i>	12.28	
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.18	20.82
		<i>For 3 Hour Rated, Add</i>	11.74	
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.34	22.03
		<i>For 3 Hour Rated, Add</i>	12.28	
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.16	23.07
		<i>For 3 Hour Rated, Add</i>	12.55	
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.18	26.02
		<i>For 3 Hour Rated, Add</i>	12.82	
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.67	22.03
		<i>For 3 Hour Rated, Add</i>	12.15	
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.16	23.07
		<i>For 3 Hour Rated, Add</i>	12.55	
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	136.98	24.29
		<i>For 3 Hour Rated, Add</i>	12.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0015	EA		14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	143.54 13.09	26.02
23 33 13 19-0016	EA		14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	155.57 13.77	28.98
23 33 13 19-0017	EA		16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	181.43 22.41	23.07
23 33 13 19-0018	EA		16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	187.98 22.68	24.81
23 33 13 19-0019	EA		16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	196.27 22.95	27.24
23 33 13 19-0020	EA		16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	202.80 23.21	28.98
23 33 13 19-0021	EA		16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	214.86 23.89	31.75
23 33 13 19-0022	EA		16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	226.90 24.56	34.69
23 33 13 19-0023	EA		18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	186.25 22.68	24.29
23 33 13 19-0024	EA		18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	193.46 23.08	26.02
23 33 13 19-0025	EA		18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	204.17 23.49	28.98
23 33 13 19-0026	EA		18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	216.21 24.16	31.75
23 33 13 19-0027	EA		18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	227.57 24.70	34.69
23 33 13 19-0028	EA		18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	239.61 25.37	37.48
23 33 13 19-0029	EA		18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	250.32 25.77	40.42
23 33 13 19-0030	EA		20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	192.80 22.95	26.02
23 33 13 19-0031	EA		20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	204.16 23.48	28.98
23 33 13 19-0032	EA		20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	215.53 24.02	31.75
23 33 13 19-0033	EA		20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	229.60 25.10	34.69
23 33 13 19-0034	EA		20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	240.29 25.51	37.48
23 33 13 19-0035	EA		20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	251.00 25.91	40.42
23 33 13 19-0036	EA		20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	262.36 26.45	43.38
23 33 13 19-0037	EA		20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	273.72 26.99	46.15
23 33 13 19-0038	EA		24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	259.24 34.50	28.98
23 33 13 19-0039	EA		24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	271.97 35.31	31.75
23 33 13 19-0040	EA		24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	283.35 35.85	34.69
23 33 13 19-0041	EA		24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	296.05 36.66	37.48
23 33 13 19-0042	EA		24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	306.76 37.06	40.42
23 33 13 19-0043	EA		24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	317.45 37.47	43.38
23 33 13 19-0044	EA		24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	330.16 38.27	46.15
23 33 13 19-0045	EA		24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	351.55 39.08	52.05
23 33 13 19-0046	EA		24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	374.29 40.16	57.77
23 33 13 19-0047	EA		28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	271.97 35.31	31.75
23 33 13 19-0048	EA		28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	283.35 35.85	34.69
23 33 13 19-0049	EA		28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	296.05 36.66	37.48
23 33 13 19-0050	EA		28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	307.43 37.20	40.42
23 33 13 19-0051	EA		28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	319.47 37.87	43.38
23 33 13 19-0052	EA		28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	331.50 38.54	46.15
23 33 13 19-0053	EA		28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	352.89 39.35	52.05
23 33 13 19-0054	EA		28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	374.29 40.16	57.77
23 33 13 19-0055	EA		28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	391.04 41.78	60.72
23 33 13 19-0056	EA		28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	415.13 43.12	66.45
23 33 13 19-0057	EA		32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	287.38 36.66	34.69
23 33 13 19-0058	EA		32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	297.39 36.93	37.48

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

23 33 13 19-0059	EA	32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.43	40.42
		<i>For 3 Hour Rated, Add</i>	37.20	
23 33 13 19-0060	EA	32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.79	43.38
		<i>For 3 Hour Rated, Add</i>	37.73	
23 33 13 19-0061	EA	32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.75	46.15
		<i>For 3 Hour Rated, Add</i>	38.59	
23 33 13 19-0062	EA	32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	352.89	52.05
		<i>For 3 Hour Rated, Add</i>	39.35	
23 33 13 19-0063	EA	32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.64	57.77
		<i>For 3 Hour Rated, Add</i>	40.43	
23 33 13 19-0064	EA	32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	398.37	63.50
		<i>For 3 Hour Rated, Add</i>	41.51	
23 33 13 19-0065	EA	32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.13	66.45
		<i>For 3 Hour Rated, Add</i>	43.12	
23 33 13 19-0066	EA	32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	438.44	71.13
		<i>For 3 Hour Rated, Add</i>	45.01	
23 33 13 19-0067	EA	32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	461.36	75.12
		<i>For 3 Hour Rated, Add</i>	47.16	
23 33 13 19-0068	EA	36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.31	37.48
		<i>For 3 Hour Rated, Add</i>	38.31	
23 33 13 19-0069	EA	36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.92	40.42
		<i>For 3 Hour Rated, Add</i>	38.89	
23 33 13 19-0070	EA	36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	327.51	43.38
		<i>For 3 Hour Rated, Add</i>	39.48	
23 33 13 19-0071	EA	36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	340.58	46.15
		<i>For 3 Hour Rated, Add</i>	40.36	
23 33 13 19-0072	EA	36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	360.14	52.05
		<i>For 3 Hour Rated, Add</i>	40.80	
23 33 13 19-0073	EA	36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.00	54.82
		<i>For 3 Hour Rated, Add</i>	41.24	
23 33 13 19-0074	EA	36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.35	63.50
		<i>For 3 Hour Rated, Add</i>	42.70	
23 33 13 19-0075	EA	36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.02	69.40
		<i>For 3 Hour Rated, Add</i>	44.17	
23 33 13 19-0076	EA	36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	444.74	71.65
		<i>For 3 Hour Rated, Add</i>	45.92	
23 33 13 19-0077	EA	36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	472.07	76.85
		<i>For 3 Hour Rated, Add</i>	48.27	
23 33 13 19-0078	EA	36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	494.45	80.84
		<i>For 3 Hour Rated, Add</i>	50.31	
23 33 13 19-0079	EA	36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	514.84	83.80
		<i>For 3 Hour Rated, Add</i>	52.66	
23 33 13 19-0080	EA	40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.72	43.38
		<i>For 3 Hour Rated, Add</i>	48.45	
23 33 13 19-0081	EA	40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.24	46.15
		<i>For 3 Hour Rated, Add</i>	49.62	
23 33 13 19-0082	EA	40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.38	49.09
		<i>For 3 Hour Rated, Add</i>	49.92	
23 33 13 19-0083	EA	40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	398.53	52.05
		<i>For 3 Hour Rated, Add</i>	50.21	
23 33 13 19-0084	EA	40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	420.99	54.82
		<i>For 3 Hour Rated, Add</i>	51.24	
23 33 13 19-0085	EA	40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	434.80	57.77
		<i>For 3 Hour Rated, Add</i>	52.26	
23 33 13 19-0086	EA	40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	466.69	66.45
		<i>For 3 Hour Rated, Add</i>	53.43	
23 33 13 19-0087	EA	40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	489.88	72.17
		<i>For 3 Hour Rated, Add</i>	54.60	
23 33 13 19-0088	EA	40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	512.55	76.85
		<i>For 3 Hour Rated, Add</i>	56.36	
23 33 13 19-0089	EA	40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.79	80.84
		<i>For 3 Hour Rated, Add</i>	59.58	
23 33 13 19-0090	EA	40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	563.46	85.53
		<i>For 3 Hour Rated, Add</i>	61.34	
23 33 13 19-0091	EA	40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	586.50	87.79
		<i>For 3 Hour Rated, Add</i>	64.56	
23 33 13 19-0092	EA	40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	615.04	92.47
		<i>For 3 Hour Rated, Add</i>	67.49	
23 33 13 19-0093	EA	44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.32	43.38
		<i>For 3 Hour Rated, Add</i>	49.04	
23 33 13 19-0094	EA	44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	389.85	46.15
		<i>For 3 Hour Rated, Add</i>	50.21	
23 33 13 19-0095	EA	44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	402.92	49.09
		<i>For 3 Hour Rated, Add</i>	51.09	
23 33 13 19-0096	EA	44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.06	52.05
		<i>For 3 Hour Rated, Add</i>	51.38	
23 33 13 19-0097	EA	44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	427.59	54.82
		<i>For 3 Hour Rated, Add</i>	52.56	
23 33 13 19-0098	EA	44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	442.12	57.77
		<i>For 3 Hour Rated, Add</i>	53.73	
23 33 13 19-0099	EA	44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	484.15	69.40
		<i>For 3 Hour Rated, Add</i>	55.19	
23 33 13 19-0100	EA	44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	508.81	75.12
		<i>For 3 Hour Rated, Add</i>	56.65	
23 33 13 19-0101	EA	44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.79	80.84
		<i>For 3 Hour Rated, Add</i>	59.58	
23 33 13 19-0102	EA	44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	571.32	86.74
		<i>For 3 Hour Rated, Add</i>	62.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0103	EA		44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	603.31 65.14	92.47
23 33 13 19-0104	EA		44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	625.16 67.78	95.24
23 33 13 19-0105	EA		44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	647.01 70.42	98.20
23 33 13 19-0106	EA		44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	668.88 73.05	101.14
23 33 13 19-0107	EA		48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	388.38 49.92	46.15
23 33 13 19-0108	EA		48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	402.92 51.09	49.09
23 33 13 19-0109	EA		48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	413.06 51.38	52.05
23 33 13 19-0110	EA		48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	434.80 52.26	57.77
23 33 13 19-0111	EA		48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	458.00 53.43	63.50
23 33 13 19-0112	EA		48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	481.21 54.60	69.40
23 33 13 19-0113	EA		48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	507.35 56.36	75.12
23 33 13 19-0114	EA		48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	533.47 58.12	80.84
23 33 13 19-0115	EA		48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	564.00 60.75	86.74
23 33 13 19-0116	EA		48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	597.45 63.97	92.47
23 33 13 19-0117	EA		48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	619.32 66.61	95.24
23 33 13 19-0118	EA		48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	645.54 70.12	98.20
23 33 13 19-0119	EA		48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	676.08 72.76	103.92
23 33 13 19-0120	EA		48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	702.32 76.27	106.87
23 33 13 19-0121	EA		48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	740.06 78.62	115.55
23 33 13 19-0122	EA		52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	401.45 50.80	49.09
23 33 13 19-0123	EA		52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	415.98 51.97	52.05
23 33 13 19-0124	EA		52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	439.19 53.14	57.77
23 33 13 19-0125	EA		52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	458.00 53.43	63.50
23 33 13 19-0126	EA		52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	481.95 54.75	69.40
23 33 13 19-0127	EA		52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	505.89 56.07	75.12
23 33 13 19-0128	EA		52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	532.01 57.83	80.84
23 33 13 19-0129	EA		52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	558.14 59.58	86.74
23 33 13 19-0130	EA		52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	588.68 62.22	92.47
23 33 13 19-0131	EA		52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	623.59 65.73	98.20
23 33 13 19-0132	EA		52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	646.90 68.66	101.14
23 33 13 19-0133	EA		52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	674.62 72.47	103.92
23 33 13 19-0134	EA		52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	709.52 75.98	109.82
23 33 13 19-0135	EA		52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	740.06 78.62	115.55
23 33 13 19-0136	EA		52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	783.64 82.13	124.22
23 33 13 19-0137	EA		52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	815.64 85.06	129.95
23 33 13 19-0138	EA		56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	413.06 51.38	52.05
23 33 13 19-0139	EA		56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	437.72 52.85	57.77
23 33 13 19-0140	EA		56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	459.46 53.73	63.50
23 33 13 19-0141	EA		56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	478.28 54.02	69.40
23 33 13 19-0142	EA		56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	503.69 55.63	75.12
23 33 13 19-0143	EA		56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	529.08 57.24	80.84
23 33 13 19-0144	EA		56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	554.48 58.85	86.74
23 33 13 19-0145	EA		56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	579.89 60.46	92.47
23 33 13 19-0146	EA		56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	614.79 63.97	98.20

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	641.06	101.14
		<i>For 3 Hour Rated, Add</i>	67.49	
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	665.82	103.92
		<i>For 3 Hour Rated, Add</i>	70.71	
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	703.67	109.82
		<i>For 3 Hour Rated, Add</i>	74.81	
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	738.59	115.55
		<i>For 3 Hour Rated, Add</i>	78.32	
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	774.97	121.27
		<i>For 3 Hour Rated, Add</i>	82.13	
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	806.97	127.16
		<i>For 3 Hour Rated, Add</i>	85.06	
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	843.34	132.89
		<i>For 3 Hour Rated, Add</i>	88.86	
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	879.72	138.62
		<i>For 3 Hour Rated, Add</i>	92.67	
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	434.80	57.77
		<i>For 3 Hour Rated, Add</i>	52.26	
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	459.46	63.50
		<i>For 3 Hour Rated, Add</i>	53.73	
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	479.75	69.40
		<i>For 3 Hour Rated, Add</i>	54.31	
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	498.56	75.12
		<i>For 3 Hour Rated, Add</i>	54.60	
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	524.69	80.84
		<i>For 3 Hour Rated, Add</i>	56.36	
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	550.82	86.74
		<i>For 3 Hour Rated, Add</i>	58.12	
23 33 13 19-0161	EA	60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.69	92.47
		<i>For 3 Hour Rated, Add</i>	60.02	
23 33 13 19-0162	EA	60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	604.56	98.20
		<i>For 3 Hour Rated, Add</i>	61.93	
23 33 13 19-0163	EA	60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	632.27	101.14
		<i>For 3 Hour Rated, Add</i>	65.73	
23 33 13 19-0164	EA	60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	658.50	103.92
		<i>For 3 Hour Rated, Add</i>	69.24	
23 33 13 19-0165	EA	60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	694.90	109.82
		<i>For 3 Hour Rated, Add</i>	73.05	
23 33 13 19-0166	EA	60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	731.28	115.55
		<i>For 3 Hour Rated, Add</i>	76.86	
23 33 13 19-0167	EA	60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	763.27	121.27
		<i>For 3 Hour Rated, Add</i>	79.79	
23 33 13 19-0168	EA	60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	804.04	127.16
		<i>For 3 Hour Rated, Add</i>	84.47	
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	841.88	132.89
		<i>For 3 Hour Rated, Add</i>	88.57	
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	879.72	138.62
		<i>For 3 Hour Rated, Add</i>	92.67	
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	914.64	144.52
		<i>For 3 Hour Rated, Add</i>	96.18	
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	949.57	150.24
		<i>For 3 Hour Rated, Add</i>	99.70	

23 33 13 19-0173 Smoke Damper (23 33 13 19)

Note: Leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0174	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	87.08	12.84
		<i>For Dynamic Damper, Add</i>	10.93	
		<i>For 3 Hour Rated, Add</i>	9.71	
23 33 13 19-0175	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.04	13.41
		<i>For Dynamic Damper, Add</i>	11.20	
		<i>For 3 Hour Rated, Add</i>	9.96	
23 33 13 19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	91.51	13.53
		<i>For Dynamic Damper, Add</i>	11.48	
		<i>For 3 Hour Rated, Add</i>	10.21	
23 33 13 19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	91.51	13.53
		<i>For Dynamic Damper, Add</i>	11.48	
		<i>For 3 Hour Rated, Add</i>	10.21	
23 33 13 19-0178	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	93.90	13.88
		<i>For Dynamic Damper, Add</i>	11.76	
		<i>For 3 Hour Rated, Add</i>	10.45	
23 33 13 19-0179	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	100.97	15.38
		<i>For Dynamic Damper, Add</i>	12.31	
		<i>For 3 Hour Rated, Add</i>	10.94	
23 33 13 19-0180	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	93.90	13.88
		<i>For Dynamic Damper, Add</i>	11.76	
		<i>For 3 Hour Rated, Add</i>	10.45	
23 33 13 19-0181	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.66	14.69
		<i>For Dynamic Damper, Add</i>	12.31	
		<i>For 3 Hour Rated, Add</i>	10.94	
23 33 13 19-0182	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.21	15.38
		<i>For Dynamic Damper, Add</i>	12.59	
		<i>For 3 Hour Rated, Add</i>	11.19	
23 33 13 19-0183	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.22	17.35
		<i>For Dynamic Damper, Add</i>	12.86	
		<i>For 3 Hour Rated, Add</i>	11.43	
23 33 13 19-0184	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.05	14.69
		<i>For Dynamic Damper, Add</i>	12.17	
		<i>For 3 Hour Rated, Add</i>	10.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0185	EA		14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	102.21	15.38
			<i>For Dynamic Damper, Add</i>	12.59	
			<i>For 3 Hour Rated, Add</i>	11.19	
23 33 13 19-0186	EA		14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.75	16.20
			<i>For Dynamic Damper, Add</i>	12.86	
			<i>For 3 Hour Rated, Add</i>	11.43	
23 33 13 19-0187	EA		14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	110.46	17.35
			<i>For Dynamic Damper, Add</i>	13.14	
			<i>For 3 Hour Rated, Add</i>	11.68	
23 33 13 19-0188	EA		14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.31	19.31
			<i>For Dynamic Damper, Add</i>	13.83	
			<i>For 3 Hour Rated, Add</i>	12.30	
23 33 13 19-0189	EA		16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.99	15.38
			<i>For Dynamic Damper, Add</i>	22.66	
			<i>For 3 Hour Rated, Add</i>	20.15	
23 33 13 19-0190	EA		16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	151.70	16.54
			<i>For Dynamic Damper, Add</i>	22.94	
			<i>For 3 Hour Rated, Add</i>	20.39	
23 33 13 19-0191	EA		16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	157.55	18.16
			<i>For Dynamic Damper, Add</i>	23.22	
			<i>For 3 Hour Rated, Add</i>	20.64	
23 33 13 19-0192	EA		16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	162.24	19.31
			<i>For Dynamic Damper, Add</i>	23.49	
			<i>For 3 Hour Rated, Add</i>	20.88	
23 33 13 19-0193	EA		16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	171.11	21.17
			<i>For Dynamic Damper, Add</i>	24.19	
			<i>For 3 Hour Rated, Add</i>	21.50	
23 33 13 19-0194	EA		16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	179.97	23.13
			<i>For Dynamic Damper, Add</i>	24.88	
			<i>For 3 Hour Rated, Add</i>	22.11	
23 33 13 19-0195	EA		18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	150.54	16.20
			<i>For Dynamic Damper, Add</i>	22.94	
			<i>For 3 Hour Rated, Add</i>	20.39	
23 33 13 19-0196	EA		18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.85	17.35
			<i>For Dynamic Damper, Add</i>	23.36	
			<i>For 3 Hour Rated, Add</i>	20.76	
23 33 13 19-0197	EA		18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	163.49	19.31
			<i>For Dynamic Damper, Add</i>	23.77	
			<i>For 3 Hour Rated, Add</i>	21.13	
23 33 13 19-0198	EA		18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	172.34	21.17
			<i>For Dynamic Damper, Add</i>	24.46	
			<i>For 3 Hour Rated, Add</i>	21.75	
23 33 13 19-0199	EA		18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	180.58	23.13
			<i>For Dynamic Damper, Add</i>	25.02	
			<i>For 3 Hour Rated, Add</i>	22.24	
23 33 13 19-0200	EA		18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	189.44	24.98
			<i>For Dynamic Damper, Add</i>	25.71	
			<i>For 3 Hour Rated, Add</i>	22.85	
23 33 13 19-0201	EA		18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	197.07	26.95
			<i>For Dynamic Damper, Add</i>	26.12	
			<i>For 3 Hour Rated, Add</i>	23.22	
23 33 13 19-0202	EA		20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.24	17.35
			<i>For Dynamic Damper, Add</i>	23.22	
			<i>For 3 Hour Rated, Add</i>	20.64	
23 33 13 19-0203	EA		20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	163.48	19.31
			<i>For Dynamic Damper, Add</i>	23.77	
			<i>For 3 Hour Rated, Add</i>	21.13	
23 33 13 19-0204	EA		20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	171.72	21.17
			<i>For Dynamic Damper, Add</i>	24.32	
			<i>For 3 Hour Rated, Add</i>	21.62	
23 33 13 19-0205	EA		20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	182.44	23.13
			<i>For Dynamic Damper, Add</i>	25.43	
			<i>For 3 Hour Rated, Add</i>	22.61	
23 33 13 19-0206	EA		20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	190.06	24.98
			<i>For Dynamic Damper, Add</i>	25.85	
			<i>For 3 Hour Rated, Add</i>	22.98	
23 33 13 19-0207	EA		20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	197.69	26.95
			<i>For Dynamic Damper, Add</i>	26.26	
			<i>For 3 Hour Rated, Add</i>	23.35	
23 33 13 19-0208	EA		20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	205.92	28.92
			<i>For Dynamic Damper, Add</i>	26.82	
			<i>For 3 Hour Rated, Add</i>	23.84	
23 33 13 19-0209	EA		20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.17	30.77
			<i>For Dynamic Damper, Add</i>	27.37	
			<i>For 3 Hour Rated, Add</i>	24.33	
23 33 13 19-0210	EA		24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	200.53	19.31
			<i>For Dynamic Damper, Add</i>	32.11	
			<i>For 3 Hour Rated, Add</i>	28.54	
23 33 13 19-0211	EA		24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	210.01	21.17
			<i>For Dynamic Damper, Add</i>	32.94	
			<i>For 3 Hour Rated, Add</i>	29.28	
23 33 13 19-0212	EA		24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	218.27	23.13
			<i>For Dynamic Damper, Add</i>	33.50	
			<i>For 3 Hour Rated, Add</i>	29.77	
23 33 13 19-0213	EA		24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	227.74	24.98
			<i>For Dynamic Damper, Add</i>	34.33	
			<i>For 3 Hour Rated, Add</i>	30.51	
23 33 13 19-0214	EA		24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.36	26.95
			<i>For Dynamic Damper, Add</i>	34.74	
			<i>For 3 Hour Rated, Add</i>	30.88	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0215	EA		24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.98	28.92
			<i>For Dynamic Damper, Add</i>	35.15	
			<i>For 3 Hour Rated, Add</i>	31.25	
23 33 13 19-0216	EA		24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.46	30.77
			<i>For Dynamic Damper, Add</i>	35.98	
			<i>For 3 Hour Rated, Add</i>	31.99	
23 33 13 19-0217	EA		24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.71	34.69
			<i>For Dynamic Damper, Add</i>	36.81	
			<i>For 3 Hour Rated, Add</i>	32.72	
23 33 13 19-0218	EA		24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.20	38.51
			<i>For Dynamic Damper, Add</i>	37.92	
			<i>For 3 Hour Rated, Add</i>	33.71	
23 33 13 19-0219	EA		28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.01	21.17
			<i>For Dynamic Damper, Add</i>	32.94	
			<i>For 3 Hour Rated, Add</i>	29.28	
23 33 13 19-0220	EA		28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	218.27	23.13
			<i>For Dynamic Damper, Add</i>	33.50	
			<i>For 3 Hour Rated, Add</i>	29.77	
23 33 13 19-0221	EA		28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.74	24.98
			<i>For Dynamic Damper, Add</i>	34.33	
			<i>For 3 Hour Rated, Add</i>	30.51	
23 33 13 19-0222	EA		28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.97	26.95
			<i>For Dynamic Damper, Add</i>	34.88	
			<i>For 3 Hour Rated, Add</i>	31.00	
23 33 13 19-0223	EA		28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	244.82	28.92
			<i>For Dynamic Damper, Add</i>	35.57	
			<i>For 3 Hour Rated, Add</i>	31.62	
23 33 13 19-0224	EA		28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.68	30.77
			<i>For Dynamic Damper, Add</i>	36.26	
			<i>For 3 Hour Rated, Add</i>	32.23	
23 33 13 19-0225	EA		28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.93	34.69
			<i>For Dynamic Damper, Add</i>	37.09	
			<i>For 3 Hour Rated, Add</i>	32.97	
23 33 13 19-0226	EA		28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.20	38.51
			<i>For Dynamic Damper, Add</i>	37.92	
			<i>For 3 Hour Rated, Add</i>	33.71	
23 33 13 19-0227	EA		28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.37	40.48
			<i>For Dynamic Damper, Add</i>	39.58	
			<i>For 3 Hour Rated, Add</i>	35.18	
23 33 13 19-0228	EA		28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.08	44.30
			<i>For Dynamic Damper, Add</i>	40.97	
			<i>For 3 Hour Rated, Add</i>	36.41	
23 33 13 19-0229	EA		32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.96	23.13
			<i>For Dynamic Damper, Add</i>	34.33	
			<i>For 3 Hour Rated, Add</i>	30.51	
23 33 13 19-0230	EA		32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.95	24.98
			<i>For Dynamic Damper, Add</i>	34.60	
			<i>For 3 Hour Rated, Add</i>	30.75	
23 33 13 19-0231	EA		32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.97	26.95
			<i>For Dynamic Damper, Add</i>	34.88	
			<i>For 3 Hour Rated, Add</i>	31.00	
23 33 13 19-0232	EA		32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	244.20	28.92
			<i>For Dynamic Damper, Add</i>	35.43	
			<i>For 3 Hour Rated, Add</i>	31.49	
23 33 13 19-0233	EA		32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.92	30.77
			<i>For Dynamic Damper, Add</i>	36.31	
			<i>For 3 Hour Rated, Add</i>	32.28	
23 33 13 19-0234	EA		32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.93	34.69
			<i>For Dynamic Damper, Add</i>	37.09	
			<i>For 3 Hour Rated, Add</i>	32.97	
23 33 13 19-0235	EA		32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.43	38.51
			<i>For Dynamic Damper, Add</i>	38.20	
			<i>For 3 Hour Rated, Add</i>	33.95	
23 33 13 19-0236	EA		32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.92	42.33
			<i>For Dynamic Damper, Add</i>	39.31	
			<i>For 3 Hour Rated, Add</i>	34.94	
23 33 13 19-0237	EA		32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.08	44.30
			<i>For Dynamic Damper, Add</i>	40.97	
			<i>For 3 Hour Rated, Add</i>	36.41	
23 33 13 19-0238	EA		32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.95	47.42
			<i>For Dynamic Damper, Add</i>	42.91	
			<i>For 3 Hour Rated, Add</i>	38.14	
23 33 13 19-0239	EA		32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.87	50.08
			<i>For Dynamic Damper, Add</i>	45.12	
			<i>For 3 Hour Rated, Add</i>	40.10	
23 33 13 19-0240	EA		36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.53	24.98
			<i>For Dynamic Damper, Add</i>	35.63	
			<i>For 3 Hour Rated, Add</i>	31.67	
23 33 13 19-0241	EA		36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.88	26.95
			<i>For Dynamic Damper, Add</i>	36.21	
			<i>For 3 Hour Rated, Add</i>	32.18	
23 33 13 19-0242	EA		36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.23	28.92
			<i>For Dynamic Damper, Add</i>	36.79	
			<i>For 3 Hour Rated, Add</i>	32.70	
23 33 13 19-0243	EA		36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.89	30.77
			<i>For Dynamic Damper, Add</i>	37.66	
			<i>For 3 Hour Rated, Add</i>	33.47	
23 33 13 19-0244	EA		36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.40	34.69
			<i>For Dynamic Damper, Add</i>	38.09	
			<i>For 3 Hour Rated, Add</i>	33.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0245	EA		36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	281.12 38.53 34.25	36.55
23 33 13 19-0246	EA		36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	304.90 39.98 35.54	42.33
23 33 13 19-0247	EA		36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	322.90 41.42 36.82	46.26
23 33 13 19-0248	EA		36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	335.27 43.17 38.37	47.77
23 33 13 19-0249	EA		36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	355.98 45.48 40.43	51.23
23 33 13 19-0250	EA		36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	373.10 47.51 42.23	53.90
23 33 13 19-0251	EA		36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	389.19 49.83 44.30	55.86
23 33 13 19-0252	EA		40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	267.46 41.96 37.30	28.92
23 33 13 19-0253	EA		40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	278.39 43.12 38.33	30.77
23 33 13 19-0254	EA		40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	285.47 43.41 38.59	32.74
23 33 13 19-0255	EA		40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	292.54 43.70 38.85	34.69
23 33 13 19-0256	EA		40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	308.63 44.72 39.75	36.55
23 33 13 19-0257	EA		40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	318.92 45.73 40.65	38.51
23 33 13 19-0258	EA		40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	341.42 46.89 41.68	44.30
23 33 13 19-0259	EA		40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	358.15 48.05 42.71	48.12
23 33 13 19-0260	EA		40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	375.13 49.79 44.26	51.23
23 33 13 19-0261	EA		40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	397.40 52.98 47.09	53.90
23 33 13 19-0262	EA		40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	414.36 54.72 48.64	57.02
23 33 13 19-0263	EA		40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	433.17 57.91 51.47	58.53
23 33 13 19-0264	EA		40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	455.32 60.81 54.05	61.64
23 33 13 19-0265	EA		44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	275.82 42.54 37.82	28.92
23 33 13 19-0266	EA		44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	286.76 43.70 38.85	30.77
23 33 13 19-0267	EA		44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	296.42 44.57 39.62	32.74
23 33 13 19-0268	EA		44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	303.49 44.87 39.88	34.69
23 33 13 19-0269	EA		44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	314.43 46.02 40.91	36.55
23 33 13 19-0270	EA		44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	325.36 47.18 41.94	38.51
23 33 13 19-0271	EA		44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	354.94 48.63 43.23	46.26
23 33 13 19-0272	EA		44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	372.93 50.08 44.52	50.08
23 33 13 19-0273	EA		44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	397.40 52.98 47.09	53.90
23 33 13 19-0274	EA		44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	420.56 55.59 49.41	57.83

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0275	EA		44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.00	61.64
			<i>For Dynamic Damper, Add</i>	58.49	
			<i>For 3 Hour Rated, Add</i>	51.99	
23 33 13 19-0276	EA		44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	462.37	63.50
			<i>For Dynamic Damper, Add</i>	61.10	
			<i>For 3 Hour Rated, Add</i>	54.31	
23 33 13 19-0277	EA		44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	479.76	65.46
			<i>For Dynamic Damper, Add</i>	63.71	
			<i>For 3 Hour Rated, Add</i>	56.63	
23 33 13 19-0278	EA		44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	497.14	67.43
			<i>For Dynamic Damper, Add</i>	66.32	
			<i>For 3 Hour Rated, Add</i>	58.95	
23 33 13 19-0279	EA		48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.47	30.77
			<i>For Dynamic Damper, Add</i>	43.41	
			<i>For 3 Hour Rated, Add</i>	38.59	
23 33 13 19-0280	EA		48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.42	32.74
			<i>For Dynamic Damper, Add</i>	44.57	
			<i>For 3 Hour Rated, Add</i>	39.62	
23 33 13 19-0281	EA		48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.49	34.69
			<i>For Dynamic Damper, Add</i>	44.87	
			<i>For 3 Hour Rated, Add</i>	39.88	
23 33 13 19-0282	EA		48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.92	38.51
			<i>For Dynamic Damper, Add</i>	45.73	
			<i>For 3 Hour Rated, Add</i>	40.65	
23 33 13 19-0283	EA		48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.63	42.33
			<i>For Dynamic Damper, Add</i>	46.89	
			<i>For 3 Hour Rated, Add</i>	41.68	
23 33 13 19-0284	EA		48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	352.36	46.26
			<i>For Dynamic Damper, Add</i>	48.05	
			<i>For 3 Hour Rated, Add</i>	42.71	
23 33 13 19-0285	EA		48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.65	50.08
			<i>For Dynamic Damper, Add</i>	49.79	
			<i>For 3 Hour Rated, Add</i>	44.26	
23 33 13 19-0286	EA		48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.95	53.90
			<i>For Dynamic Damper, Add</i>	51.53	
			<i>For 3 Hour Rated, Add</i>	45.80	
23 33 13 19-0287	EA		48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.11	57.83
			<i>For Dynamic Damper, Add</i>	54.14	
			<i>For 3 Hour Rated, Add</i>	48.12	
23 33 13 19-0288	EA		48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	439.85	61.64
			<i>For Dynamic Damper, Add</i>	57.33	
			<i>For 3 Hour Rated, Add</i>	50.96	
23 33 13 19-0289	EA		48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.23	63.50
			<i>For Dynamic Damper, Add</i>	59.94	
			<i>For 3 Hour Rated, Add</i>	53.28	
23 33 13 19-0290	EA		48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	478.47	65.46
			<i>For Dynamic Damper, Add</i>	63.42	
			<i>For 3 Hour Rated, Add</i>	56.37	
23 33 13 19-0291	EA		48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	501.64	69.28
			<i>For Dynamic Damper, Add</i>	66.03	
			<i>For 3 Hour Rated, Add</i>	58.69	
23 33 13 19-0292	EA		48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	522.87	71.25
			<i>For Dynamic Damper, Add</i>	69.50	
			<i>For 3 Hour Rated, Add</i>	61.78	
23 33 13 19-0293	EA		48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	550.54	77.03
			<i>For Dynamic Damper, Add</i>	71.82	
			<i>For 3 Hour Rated, Add</i>	63.84	
23 33 13 19-0294	EA		52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	295.13	32.74
			<i>For Dynamic Damper, Add</i>	44.28	
			<i>For 3 Hour Rated, Add</i>	39.36	
23 33 13 19-0295	EA		52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.06	34.69
			<i>For Dynamic Damper, Add</i>	45.44	
			<i>For 3 Hour Rated, Add</i>	40.39	
23 33 13 19-0296	EA		52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	322.78	38.51
			<i>For Dynamic Damper, Add</i>	46.60	
			<i>For 3 Hour Rated, Add</i>	41.42	
23 33 13 19-0297	EA		52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.63	42.33
			<i>For Dynamic Damper, Add</i>	46.89	
			<i>For 3 Hour Rated, Add</i>	41.68	
23 33 13 19-0298	EA		52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.01	46.26
			<i>For Dynamic Damper, Add</i>	48.20	
			<i>For 3 Hour Rated, Add</i>	42.84	
23 33 13 19-0299	EA		52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	370.36	50.08
			<i>For Dynamic Damper, Add</i>	49.50	
			<i>For 3 Hour Rated, Add</i>	44.00	
23 33 13 19-0300	EA		52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	389.67	53.90
			<i>For Dynamic Damper, Add</i>	51.24	
			<i>For 3 Hour Rated, Add</i>	45.55	
23 33 13 19-0301	EA		52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	408.96	57.83
			<i>For Dynamic Damper, Add</i>	52.98	
			<i>For 3 Hour Rated, Add</i>	47.09	
23 33 13 19-0302	EA		52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.13	61.64
			<i>For Dynamic Damper, Add</i>	55.59	
			<i>For 3 Hour Rated, Add</i>	49.41	
23 33 13 19-0303	EA		52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	459.14	65.46
			<i>For Dynamic Damper, Add</i>	59.07	
			<i>For 3 Hour Rated, Add</i>	52.50	
23 33 13 19-0304	EA		52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	477.80	67.43
			<i>For Dynamic Damper, Add</i>	61.97	
			<i>For 3 Hour Rated, Add</i>	55.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0305	EA		52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	500.35	69.28
			<i>For Dynamic Damper, Add</i>	65.74	
			<i>For 3 Hour Rated, Add</i>	58.43	
23 33 13 19-0306	EA		52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	527.36	73.22
			<i>For Dynamic Damper, Add</i>	69.21	
			<i>For 3 Hour Rated, Add</i>	61.52	
23 33 13 19-0307	EA		52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	550.54	77.03
			<i>For Dynamic Damper, Add</i>	71.82	
			<i>For 3 Hour Rated, Add</i>	63.84	
23 33 13 19-0308	EA		52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	583.35	82.81
			<i>For Dynamic Damper, Add</i>	75.30	
			<i>For 3 Hour Rated, Add</i>	66.94	
23 33 13 19-0309	EA		52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	607.80	86.63
			<i>For Dynamic Damper, Add</i>	78.20	
			<i>For 3 Hour Rated, Add</i>	69.51	
23 33 13 19-0310	EA		56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.49	34.69
			<i>For Dynamic Damper, Add</i>	44.87	
			<i>For 3 Hour Rated, Add</i>	39.88	
23 33 13 19-0311	EA		56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.49	38.51
			<i>For Dynamic Damper, Add</i>	46.31	
			<i>For 3 Hour Rated, Add</i>	41.17	
23 33 13 19-0312	EA		56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.92	42.33
			<i>For Dynamic Damper, Add</i>	47.18	
			<i>For 3 Hour Rated, Add</i>	41.94	
23 33 13 19-0313	EA		56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.77	46.26
			<i>For Dynamic Damper, Add</i>	47.47	
			<i>For 3 Hour Rated, Add</i>	42.20	
23 33 13 19-0314	EA		56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	368.43	50.08
			<i>For Dynamic Damper, Add</i>	49.07	
			<i>For 3 Hour Rated, Add</i>	43.62	
23 33 13 19-0315	EA		56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.09	53.90
			<i>For Dynamic Damper, Add</i>	50.66	
			<i>For 3 Hour Rated, Add</i>	45.03	
23 33 13 19-0316	EA		56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.74	57.83
			<i>For Dynamic Damper, Add</i>	52.26	
			<i>For 3 Hour Rated, Add</i>	46.45	
23 33 13 19-0317	EA		56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	424.39	61.64
			<i>For Dynamic Damper, Add</i>	53.85	
			<i>For 3 Hour Rated, Add</i>	47.87	
23 33 13 19-0318	EA		56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.41	65.46
			<i>For Dynamic Damper, Add</i>	57.33	
			<i>For 3 Hour Rated, Add</i>	50.96	
23 33 13 19-0319	EA		56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	472.66	67.43
			<i>For Dynamic Damper, Add</i>	60.81	
			<i>For 3 Hour Rated, Add</i>	54.05	
23 33 13 19-0320	EA		56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	492.62	69.28
			<i>For Dynamic Damper, Add</i>	64.00	
			<i>For 3 Hour Rated, Add</i>	56.89	
23 33 13 19-0321	EA		56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	522.22	73.22
			<i>For Dynamic Damper, Add</i>	68.06	
			<i>For 3 Hour Rated, Add</i>	60.49	
23 33 13 19-0322	EA		56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	549.25	77.03
			<i>For Dynamic Damper, Add</i>	71.53	
			<i>For 3 Hour Rated, Add</i>	63.59	
23 33 13 19-0323	EA		56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.56	80.84
			<i>For Dynamic Damper, Add</i>	75.30	
			<i>For 3 Hour Rated, Add</i>	66.94	
23 33 13 19-0324	EA		56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	602.02	84.78
			<i>For Dynamic Damper, Add</i>	78.20	
			<i>For 3 Hour Rated, Add</i>	69.51	
23 33 13 19-0325	EA		56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	630.33	88.59
			<i>For Dynamic Damper, Add</i>	81.97	
			<i>For 3 Hour Rated, Add</i>	72.86	
23 33 13 19-0326	EA		56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	658.66	92.41
			<i>For Dynamic Damper, Add</i>	85.74	
			<i>For 3 Hour Rated, Add</i>	76.21	
23 33 13 19-0327	EA		60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.92	38.51
			<i>For Dynamic Damper, Add</i>	45.73	
			<i>For 3 Hour Rated, Add</i>	40.65	
23 33 13 19-0328	EA		60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.92	42.33
			<i>For Dynamic Damper, Add</i>	47.18	
			<i>For 3 Hour Rated, Add</i>	41.94	
23 33 13 19-0329	EA		60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	351.06	46.26
			<i>For Dynamic Damper, Add</i>	47.76	
			<i>For 3 Hour Rated, Add</i>	42.45	
23 33 13 19-0330	EA		60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.92	50.08
			<i>For Dynamic Damper, Add</i>	48.05	
			<i>For 3 Hour Rated, Add</i>	42.71	
23 33 13 19-0331	EA		60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.23	53.90
			<i>For Dynamic Damper, Add</i>	49.79	
			<i>For 3 Hour Rated, Add</i>	44.26	
23 33 13 19-0332	EA		60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	402.51	57.83
			<i>For Dynamic Damper, Add</i>	51.53	
			<i>For 3 Hour Rated, Add</i>	45.80	
23 33 13 19-0333	EA		60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	422.46	61.64
			<i>For Dynamic Damper, Add</i>	53.42	
			<i>For 3 Hour Rated, Add</i>	47.48	
23 33 13 19-0334	EA		60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	442.39	65.46
			<i>For Dynamic Damper, Add</i>	55.30	
			<i>For 3 Hour Rated, Add</i>	49.15	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 19-0335	EA	60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	464.92	67.43
		<i>For Dynamic Damper, Add</i>	59.07	
		<i>For 3 Hour Rated, Add</i>	52.50	
23 33 13 19-0336	EA	60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	486.17	69.28
		<i>For Dynamic Damper, Add</i>	62.55	
		<i>For 3 Hour Rated, Add</i>	55.60	
23 33 13 19-0337	EA	60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	514.49	73.22
		<i>For Dynamic Damper, Add</i>	66.32	
		<i>For 3 Hour Rated, Add</i>	58.95	
23 33 13 19-0338	EA	60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	542.81	77.03
		<i>For Dynamic Damper, Add</i>	70.09	
		<i>For 3 Hour Rated, Add</i>	62.30	
23 33 13 19-0339	EA	60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	567.25	80.84
		<i>For Dynamic Damper, Add</i>	72.98	
		<i>For 3 Hour Rated, Add</i>	64.87	
23 33 13 19-0340	EA	60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	599.43	84.78
		<i>For Dynamic Damper, Add</i>	77.62	
		<i>For 3 Hour Rated, Add</i>	69.00	
23 33 13 19-0341	EA	60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	629.03	88.59
		<i>For Dynamic Damper, Add</i>	81.68	
		<i>For 3 Hour Rated, Add</i>	72.60	
23 33 13 19-0342	EA	60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	658.66	92.41
		<i>For Dynamic Damper, Add</i>	85.74	
		<i>For 3 Hour Rated, Add</i>	76.21	
23 33 13 19-0343	EA	60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	685.66	96.35
		<i>For Dynamic Damper, Add</i>	89.21	
		<i>For 3 Hour Rated, Add</i>	79.30	
23 33 13 19-0344	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	712.71	100.16
		<i>For Dynamic Damper, Add</i>	92.70	
		<i>For 3 Hour Rated, Add</i>	82.40	

23 33 13 23 Backdraft Dampers (23 33 13)**23 33 13 23-0001 Horizontally Mounted Backdraft Damper** (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	60.96	12.84
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	70.17	13.41
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	80.38	13.53
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	77.89	13.53
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	76.08	13.88
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	89.31	15.38
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	72.64	13.88
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	87.59	15.38
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	86.20	16.20
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	97.20	17.35
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper	80.11	14.69
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper	83.69	16.20
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper	95.95	17.35
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper	91.60	19.31
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper	103.01	21.17
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper	87.59	15.38
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper	92.18	17.35
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper	89.99	19.31
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper	96.42	19.31
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper	108.63	21.17
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper	120.85	23.13
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper	82.44	16.20
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper	80.99	17.35
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper	94.00	19.31
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper	107.02	21.17
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper	120.04	23.13
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper	134.91	24.98
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper	153.94	28.92
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper	137.82	30.77
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper	158.43	34.69
23 33 13 23-0032	EA	20" x 6" Horizontally Mounted Backdraft Damper	89.67	17.35
23 33 13 23-0033	EA	20" x 8" Horizontally Mounted Backdraft Damper	89.99	19.31
23 33 13 23-0034	EA	20" x 10" Horizontally Mounted Backdraft Damper	103.80	21.17
23 33 13 23-0035	EA	20" x 12" Horizontally Mounted Backdraft Damper	117.64	23.13
23 33 13 23-0036	EA	20" x 14" Horizontally Mounted Backdraft Damper	133.26	24.98
23 33 13 23-0037	EA	20" x 16" Horizontally Mounted Backdraft Damper	147.33	26.95
23 33 13 23-0038	EA	20" x 18" Horizontally Mounted Backdraft Damper	137.82	30.77
23 33 13 23-0039	EA	20" x 20" Horizontally Mounted Backdraft Damper	142.85	30.77
23 33 13 23-0040	EA	20" x 24" Horizontally Mounted Backdraft Damper	164.47	34.69
23 33 13 23-0041	EA	20" x 28" Horizontally Mounted Backdraft Damper	186.09	38.51
23 33 13 23-0042	EA	20" x 32" Horizontally Mounted Backdraft Damper	184.72	42.33
23 33 13 23-0043	EA	20" x 36" Horizontally Mounted Backdraft Damper	203.47	46.26
23 33 13 23-0044	EA	24" x 6" Horizontally Mounted Backdraft Damper	86.77	19.31
23 33 13 23-0045	EA	24" x 8" Horizontally Mounted Backdraft Damper	102.20	21.17
23 33 13 23-0046	EA	24" x 10" Horizontally Mounted Backdraft Damper	117.64	23.13
23 33 13 23-0047	EA	24" x 12" Horizontally Mounted Backdraft Damper	134.91	24.98
23 33 13 23-0048	EA	24" x 14" Horizontally Mounted Backdraft Damper	129.00	28.92
23 33 13 23-0049	EA	24" x 16" Horizontally Mounted Backdraft Damper	140.83	30.77
23 33 13 23-0050	EA	24" x 18" Horizontally Mounted Backdraft Damper	158.43	34.69
23 33 13 23-0051	EA	24" x 20" Horizontally Mounted Backdraft Damper	164.47	34.69
23 33 13 23-0052	EA	24" x 24" Horizontally Mounted Backdraft Damper	188.11	38.51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0053	EA	24"	x 28" Horizontally Mounted Backdraft Damper.....	187.58	42.33
23 33 13 23-0054	EA	24"	x 32" Horizontally Mounted Backdraft Damper.....	207.79	46.26
23 33 13 23-0055	EA	24"	x 36" Horizontally Mounted Backdraft Damper.....	227.97	50.08
23 33 13 23-0056	EA	24"	x 40" Horizontally Mounted Backdraft Damper.....	230.93	53.90
23 33 13 23-0057	EA	24"	x 44" Horizontally Mounted Backdraft Damper.....	249.38	57.83
23 33 13 23-0058	EA	24"	x 48" Horizontally Mounted Backdraft Damper.....	256.28	57.83
23 33 13 23-0059	EA	28"	x 6" Horizontally Mounted Backdraft Damper.....	91.60	19.31
23 33 13 23-0060	EA	28"	x 8" Horizontally Mounted Backdraft Damper.....	108.63	21.17
23 33 13 23-0061	EA	28"	x 10" Horizontally Mounted Backdraft Damper.....	133.26	24.98
23 33 13 23-0062	EA	28"	x 12" Horizontally Mounted Backdraft Damper.....	129.00	28.92
23 33 13 23-0063	EA	28"	x 14" Horizontally Mounted Backdraft Damper.....	141.84	30.77
23 33 13 23-0064	EA	28"	x 16" Horizontally Mounted Backdraft Damper.....	160.44	34.69
23 33 13 23-0065	EA	28"	x 18" Horizontally Mounted Backdraft Damper.....	179.06	38.51
23 33 13 23-0066	EA	28"	x 20" Horizontally Mounted Backdraft Damper.....	186.09	38.51
23 33 13 23-0067	EA	28"	x 24" Horizontally Mounted Backdraft Damper.....	187.58	42.33
23 33 13 23-0068	EA	28"	x 28" Horizontally Mounted Backdraft Damper.....	209.22	46.26
23 33 13 23-0069	EA	28"	x 32" Horizontally Mounted Backdraft Damper.....	230.84	50.08
23 33 13 23-0070	EA	28"	x 36" Horizontally Mounted Backdraft Damper.....	245.93	57.83
23 33 13 23-0071	EA	28"	x 40" Horizontally Mounted Backdraft Damper.....	253.98	57.83
23 33 13 23-0072	EA	28"	x 44" Horizontally Mounted Backdraft Damper.....	273.60	61.64
23 33 13 23-0073	EA	28"	x 48" Horizontally Mounted Backdraft Damper.....	293.21	65.46
23 33 13 23-0074	EA	28"	x 52" Horizontally Mounted Backdraft Damper.....	301.26	65.46
23 33 13 23-0075	EA	28"	x 56" Horizontally Mounted Backdraft Damper.....	306.80	69.28
23 33 13 23-0076	EA	28"	x 60" Horizontally Mounted Backdraft Damper.....	313.83	69.28
23 33 13 23-0077	EA	32"	x 6" Horizontally Mounted Backdraft Damper.....	102.20	21.17
23 33 13 23-0078	EA	32"	x 8" Horizontally Mounted Backdraft Damper.....	128.28	24.98
23 33 13 23-0079	EA	32"	x 10" Horizontally Mounted Backdraft Damper.....	147.33	26.95
23 33 13 23-0080	EA	32"	x 12" Horizontally Mounted Backdraft Damper.....	140.83	30.77
23 33 13 23-0081	EA	32"	x 14" Horizontally Mounted Backdraft Damper.....	160.44	34.69
23 33 13 23-0082	EA	32"	x 16" Horizontally Mounted Backdraft Damper.....	180.06	38.51
23 33 13 23-0083	EA	32"	x 18" Horizontally Mounted Backdraft Damper.....	167.40	38.51
23 33 13 23-0084	EA	32"	x 20" Horizontally Mounted Backdraft Damper.....	184.72	42.33
23 33 13 23-0085	EA	32"	x 24" Horizontally Mounted Backdraft Damper.....	207.79	46.26
23 33 13 23-0086	EA	32"	x 28" Horizontally Mounted Backdraft Damper.....	230.84	50.08
23 33 13 23-0087	EA	32"	x 32" Horizontally Mounted Backdraft Damper.....	247.08	57.83
23 33 13 23-0088	EA	32"	x 36" Horizontally Mounted Backdraft Damper.....	256.28	57.83
23 33 13 23-0089	EA	32"	x 40" Horizontally Mounted Backdraft Damper.....	277.05	61.64
23 33 13 23-0090	EA	32"	x 44" Horizontally Mounted Backdraft Damper.....	297.81	65.46
23 33 13 23-0091	EA	32"	x 48" Horizontally Mounted Backdraft Damper.....	304.78	69.28
23 33 13 23-0092	EA	32"	x 52" Horizontally Mounted Backdraft Damper.....	312.83	69.28
23 33 13 23-0093	EA	32"	x 56" Horizontally Mounted Backdraft Damper.....	332.44	73.22
23 33 13 23-0094	EA	32"	x 60" Horizontally Mounted Backdraft Damper.....	340.49	73.22
23 33 13 23-0095	EA	32"	x 64" Horizontally Mounted Backdraft Damper.....	341.71	77.03
23 33 13 23-0096	EA	32"	x 68" Horizontally Mounted Backdraft Damper.....	348.60	77.03
23 33 13 23-0097	EA	32"	x 72" Horizontally Mounted Backdraft Damper.....	367.06	80.84
23 33 13 23-0098	EA	36"	x 6" Horizontally Mounted Backdraft Damper.....	107.02	21.17
23 33 13 23-0099	EA	36"	x 8" Horizontally Mounted Backdraft Damper.....	140.69	26.95
23 33 13 23-0100	EA	36"	x 10" Horizontally Mounted Backdraft Damper.....	137.82	30.77
23 33 13 23-0101	EA	36"	x 12" Horizontally Mounted Backdraft Damper.....	158.43	34.69
23 33 13 23-0102	EA	36"	x 14" Horizontally Mounted Backdraft Damper.....	179.06	38.51
23 33 13 23-0103	EA	36"	x 16" Horizontally Mounted Backdraft Damper.....	167.40	38.51
23 33 13 23-0104	EA	36"	x 18" Horizontally Mounted Backdraft Damper.....	185.43	42.33
23 33 13 23-0105	EA	36"	x 20" Horizontally Mounted Backdraft Damper.....	203.47	46.26
23 33 13 23-0106	EA	36"	x 24" Horizontally Mounted Backdraft Damper.....	227.97	50.08
23 33 13 23-0107	EA	36"	x 28" Horizontally Mounted Backdraft Damper.....	245.93	57.83
23 33 13 23-0108	EA	36"	x 32" Horizontally Mounted Backdraft Damper.....	256.28	57.83
23 33 13 23-0109	EA	36"	x 36" Horizontally Mounted Backdraft Damper.....	278.20	61.64
23 33 13 23-0110	EA	36"	x 40" Horizontally Mounted Backdraft Damper.....	300.11	65.46
23 33 13 23-0111	EA	36"	x 44" Horizontally Mounted Backdraft Damper.....	307.79	69.28
23 33 13 23-0112	EA	36"	x 48" Horizontally Mounted Backdraft Damper.....	328.41	73.22
23 33 13 23-0113	EA	36"	x 52" Horizontally Mounted Backdraft Damper.....	337.47	73.22
23 33 13 23-0114	EA	36"	x 56" Horizontally Mounted Backdraft Damper.....	339.98	77.03
23 33 13 23-0115	EA	36"	x 60" Horizontally Mounted Backdraft Damper.....	347.74	77.03
23 33 13 23-0116	EA	36"	x 64" Horizontally Mounted Backdraft Damper.....	367.06	80.84
23 33 13 23-0117	EA	36"	x 68" Horizontally Mounted Backdraft Damper.....	374.82	80.84
23 33 13 23-0118	EA	36"	x 72" Horizontally Mounted Backdraft Damper.....	382.59	80.84
23 33 13 23-0119	EA	40"	x 6" Horizontally Mounted Backdraft Damper.....	117.64	23.13
23 33 13 23-0120	EA	40"	x 8" Horizontally Mounted Backdraft Damper.....	153.11	28.92
23 33 13 23-0121	EA	40"	x 10" Horizontally Mounted Backdraft Damper.....	142.85	30.77
23 33 13 23-0122	EA	40"	x 12" Horizontally Mounted Backdraft Damper.....	164.47	34.69
23 33 13 23-0123	EA	40"	x 14" Horizontally Mounted Backdraft Damper.....	186.09	38.51
23 33 13 23-0124	EA	40"	x 16" Horizontally Mounted Backdraft Damper.....	184.72	42.33
23 33 13 23-0125	EA	40"	x 18" Horizontally Mounted Backdraft Damper.....	203.47	46.26
23 33 13 23-0126	EA	40"	x 20" Horizontally Mounted Backdraft Damper.....	222.21	50.08
23 33 13 23-0127	EA	40"	x 24" Horizontally Mounted Backdraft Damper.....	230.93	53.90
23 33 13 23-0128	EA	40"	x 28" Horizontally Mounted Backdraft Damper.....	253.98	57.83
23 33 13 23-0129	EA	40"	x 32" Horizontally Mounted Backdraft Damper.....	277.05	61.64
23 33 13 23-0130	EA	40"	x 36" Horizontally Mounted Backdraft Damper.....	300.11	65.46
23 33 13 23-0131	EA	40"	x 40" Horizontally Mounted Backdraft Damper.....	308.80	69.28
23 33 13 23-0132	EA	40"	x 44" Horizontally Mounted Backdraft Damper.....	330.42	73.22
23 33 13 23-0133	EA	40"	x 48" Horizontally Mounted Backdraft Damper.....	340.49	73.22
23 33 13 23-0134	EA	40"	x 50" Horizontally Mounted Backdraft Damper.....	339.12	77.03
23 33 13 23-0135	EA	44"	x 6" Horizontally Mounted Backdraft Damper.....	129.94	24.98
23 33 13 23-0136	EA	44"	x 8" Horizontally Mounted Backdraft Damper.....	136.81	30.77
23 33 13 23-0137	EA	44"	x 10" Horizontally Mounted Backdraft Damper.....	159.44	34.69

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	182.07	38.51
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	182.56	42.33
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	202.03	46.26
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	209.94	46.26
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	229.40	50.08
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	249.38	57.83
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	273.60	61.64
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	297.81	65.46
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	307.79	69.28
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	330.42	73.22
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	341.49	73.22
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	345.16	77.03
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	349.90	77.03
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	140.69	26.95
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	140.83	30.77
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	164.47	34.69
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	167.40	38.51
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	187.58	42.33
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	207.79	46.26
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	227.97	50.08
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	230.93	53.90
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	256.28	57.83
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	293.21	65.46
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	304.78	69.28
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	328.41	73.22
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	340.49	73.22
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	345.16	77.03
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	367.06	80.84
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	372.24	80.84
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	143.18	26.95
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	154.41	34.69
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	178.56	38.51
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	181.12	42.33
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	201.67	46.26
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	222.21	50.08
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	242.78	53.90
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	245.35	57.83
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	271.30	61.64
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	297.23	65.46
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	308.80	69.28
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	332.94	73.22
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	339.12	77.03
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	349.90	77.03
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	372.24	80.84
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	377.63	80.84

23 33 13 23-0183 Vertically Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	64.36	12.84
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	74.72	13.41
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	76.39	13.53
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	78.78	13.53
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	84.73	13.88
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	94.14	15.38
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	91.91	13.88
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	103.72	15.38
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	106.04	16.20
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	111.90	17.35
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	91.20	14.69
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	97.58	16.20
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	104.55	17.35
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	110.33	19.31
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	119.61	21.17
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	107.51	15.38
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	115.05	17.35
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	107.98	19.31
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	107.98	19.31
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	119.32	21.17
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	125.11	23.13
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	107.08	16.20
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	110.55	17.35
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	120.50	19.31
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	130.46	21.17
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	136.25	23.13
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	142.03	24.98
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	154.99	28.92
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	157.34	30.77
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	174.08	34.69
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	122.04	17.35
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	130.42	19.31
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	136.20	21.17
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	147.16	23.13
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	152.94	24.98
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	158.72	26.95

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0220	EA		18" x 14" Vertically Mounted Backdraft Damper	174.19	30.77
23 33 13 23-0221	EA		16" x 16" Vertically Mounted Backdraft Damper	175.48	30.77
23 33 13 23-0222	EA		32" x 8" Vertically Mounted Backdraft Damper	187.04	34.69
23 33 13 23-0223	EA		44" x 6" Vertically Mounted Backdraft Damper	201.20	38.51
23 33 13 23-0224	EA		20" x 14" Vertically Mounted Backdraft Damper	217.95	42.33
23 33 13 23-0225	EA		28" x 10" Vertically Mounted Backdraft Damper	229.52	46.26
23 33 13 23-0226	EA		18" x 16" Vertically Mounted Backdraft Damper	151.15	19.31
23 33 13 23-0227	EA		24" x 12" Vertically Mounted Backdraft Damper	156.93	21.17
23 33 13 23-0228	EA		36" x 8" Vertically Mounted Backdraft Damper	162.72	23.13
23 33 13 23-0229	EA		48" x 6" Vertically Mounted Backdraft Damper	168.50	24.98
23 33 13 23-0230	EA		50" x 6" Vertically Mounted Backdraft Damper	183.95	28.92
23 33 13 23-0231	EA		20" x 16" Vertically Mounted Backdraft Damper	196.22	30.77
23 33 13 23-0232	EA		32" x 10" Vertically Mounted Backdraft Damper	207.78	34.69
23 33 13 23-0233	EA		40" x 8" Vertically Mounted Backdraft Damper	207.78	34.69
23 33 13 23-0234	EA		18" x 18" Vertically Mounted Backdraft Damper	198.61	38.51
23 33 13 23-0235	EA		24" x 14" Vertically Mounted Backdraft Damper	198.65	42.33
23 33 13 23-0236	EA		28" x 12" Vertically Mounted Backdraft Damper	210.22	46.26
23 33 13 23-0237	EA		44" x 8" Vertically Mounted Backdraft Damper	225.18	50.08
23 33 13 23-0238	EA		18" x 20" Vertically Mounted Backdraft Damper	238.46	53.90
23 33 13 23-0239	EA		20" x 18" Vertically Mounted Backdraft Damper	250.02	57.83
23 33 13 23-0240	EA		36" x 10" Vertically Mounted Backdraft Damper	250.02	57.83
23 33 13 23-0241	EA		24" x 16" Vertically Mounted Backdraft Damper	139.47	19.31
23 33 13 23-0242	EA		32" x 12" Vertically Mounted Backdraft Damper	145.25	21.17
23 33 13 23-0243	EA		48" x 8" Vertically Mounted Backdraft Damper	156.82	24.98
23 33 13 23-0244	EA		28" x 14" Vertically Mounted Backdraft Damper	170.08	28.92
23 33 13 23-0245	EA		20" x 20" Vertically Mounted Backdraft Damper	177.57	30.77
23 33 13 23-0246	EA		40" x 10" Vertically Mounted Backdraft Damper	189.13	34.69
23 33 13 23-0247	EA		50" x 8" Vertically Mounted Backdraft Damper	200.70	38.51
23 33 13 23-0248	EA		18" x 24" Vertically Mounted Backdraft Damper	207.50	38.51
23 33 13 23-0249	EA		24" x 18" Vertically Mounted Backdraft Damper	219.06	42.33
23 33 13 23-0250	EA		36" x 12" Vertically Mounted Backdraft Damper	230.63	46.26
23 33 13 23-0251	EA		44" x 10" Vertically Mounted Backdraft Damper	243.89	50.08
23 33 13 23-0252	EA		28" x 16" Vertically Mounted Backdraft Damper	268.74	57.83
23 33 13 23-0253	EA		32" x 14" Vertically Mounted Backdraft Damper	268.74	57.83
23 33 13 23-0254	EA		20" x 24" Vertically Mounted Backdraft Damper	287.96	61.64
23 33 13 23-0255	EA		24" x 20" Vertically Mounted Backdraft Damper	283.85	65.46
23 33 13 23-0256	EA		40" x 12" Vertically Mounted Backdraft Damper	283.85	65.46
23 33 13 23-0257	EA		48" x 10" Vertically Mounted Backdraft Damper	295.42	69.28
23 33 13 23-0258	EA		50" x 10" Vertically Mounted Backdraft Damper	299.06	69.28
23 33 13 23-0259	EA		28" x 18" Vertically Mounted Backdraft Damper	155.20	21.17
23 33 13 23-0260	EA		36" x 14" Vertically Mounted Backdraft Damper	166.77	24.98
23 33 13 23-0261	EA		32" x 16" Vertically Mounted Backdraft Damper	174.01	26.95
23 33 13 23-0262	EA		44" x 12" Vertically Mounted Backdraft Damper	188.48	30.77
23 33 13 23-0263	EA		20" x 28" Vertically Mounted Backdraft Damper	205.86	34.69
23 33 13 23-0264	EA		28" x 20" Vertically Mounted Backdraft Damper	217.43	38.51
23 33 13 23-0265	EA		40" x 14" Vertically Mounted Backdraft Damper	217.43	38.51
23 33 13 23-0266	EA		24" x 24" Vertically Mounted Backdraft Damper	231.89	42.33
23 33 13 23-0267	EA		32" x 18" Vertically Mounted Backdraft Damper	243.46	46.26
23 33 13 23-0268	EA		36" x 16" Vertically Mounted Backdraft Damper	255.02	50.08
23 33 13 23-0269	EA		48" x 12" Vertically Mounted Backdraft Damper	278.16	57.83
23 33 13 23-0270	EA		50" x 12" Vertically Mounted Backdraft Damper	282.53	57.83
23 33 13 23-0271	EA		44" x 14" Vertically Mounted Backdraft Damper	297.01	61.64
23 33 13 23-0272	EA		20" x 32" Vertically Mounted Backdraft Damper	312.93	65.46
23 33 13 23-0273	EA		32" x 20" Vertically Mounted Backdraft Damper	324.50	69.28
23 33 13 23-0274	EA		40" x 16" Vertically Mounted Backdraft Damper	324.50	69.28
23 33 13 23-0275	EA		36" x 18" Vertically Mounted Backdraft Damper	337.51	73.22
23 33 13 23-0276	EA		24" x 28" Vertically Mounted Backdraft Damper	342.60	73.22
23 33 13 23-0277	EA		28" x 24" Vertically Mounted Backdraft Damper	343.64	77.03
23 33 13 23-0278	EA		48" x 14" Vertically Mounted Backdraft Damper	343.64	77.03
23 33 13 23-0279	EA		50" x 14" Vertically Mounted Backdraft Damper	359.88	80.84
23 33 13 23-0280	EA		44" x 16" Vertically Mounted Backdraft Damper	181.27	21.17
23 33 13 23-0281	EA		20" x 36" Vertically Mounted Backdraft Damper	201.30	26.95
23 33 13 23-0282	EA		36" x 20" Vertically Mounted Backdraft Damper	212.87	30.77
23 33 13 23-0283	EA		40" x 18" Vertically Mounted Backdraft Damper	224.43	34.69
23 33 13 23-0284	EA		24" x 32" Vertically Mounted Backdraft Damper	244.02	38.51
23 33 13 23-0285	EA		32" x 24" Vertically Mounted Backdraft Damper	244.02	38.51
23 33 13 23-0286	EA		48" x 16" Vertically Mounted Backdraft Damper	255.58	42.33
23 33 13 23-0287	EA		28" x 28" Vertically Mounted Backdraft Damper	269.83	46.26
23 33 13 23-0288	EA		44" x 18" Vertically Mounted Backdraft Damper	282.72	50.08
23 33 13 23-0289	EA		40" x 20" Vertically Mounted Backdraft Damper	307.20	57.83
23 33 13 23-0290	EA		50" x 16" Vertically Mounted Backdraft Damper	307.20	57.83
23 33 13 23-0291	EA		24" x 36" Vertically Mounted Backdraft Damper	329.47	61.64
23 33 13 23-0292	EA		36" x 24" Vertically Mounted Backdraft Damper	341.03	65.46
23 33 13 23-0293	EA		48" x 18" Vertically Mounted Backdraft Damper	352.60	69.28
23 33 13 23-0294	EA		44" x 20" Vertically Mounted Backdraft Damper	366.83	73.22
23 33 13 23-0295	EA		28" x 32" Vertically Mounted Backdraft Damper	369.51	73.22
23 33 13 23-0296	EA		32" x 28" Vertically Mounted Backdraft Damper	381.08	77.03
23 33 13 23-0297	EA		50" x 18" Vertically Mounted Backdraft Damper	381.74	77.03
23 33 13 23-0298	EA		24" x 40" Vertically Mounted Backdraft Damper	403.33	80.84
23 33 13 23-0299	EA		40" x 24" Vertically Mounted Backdraft Damper	403.33	80.84
23 33 13 23-0300	EA		48" x 20" Vertically Mounted Backdraft Damper	403.33	80.84
23 33 13 23-0301	EA		50" x 20" Vertically Mounted Backdraft Damper	236.54	23.13
23 33 13 23-0302	EA		28" x 36" Vertically Mounted Backdraft Damper	255.21	28.92
23 33 13 23-0303	EA		36" x 28" Vertically Mounted Backdraft Damper	261.00	30.77
23 33 13 23-0304	EA		32" x 32" Vertically Mounted Backdraft Damper	275.24	34.69

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	273.08	38.51
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	284.64	42.33
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	305.74	46.26
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	317.30	50.08
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	333.66	53.90
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	345.22	57.83
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	356.79	61.64
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	368.35	65.46
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	387.07	69.28
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	403.39	73.22
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	403.39	73.22
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	422.13	77.03
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	265.99	24.98
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	285.72	30.77
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	304.43	34.69
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	316.00	38.51
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	335.91	42.33
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	348.67	46.26
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	348.67	46.26
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	365.60	50.08
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	366.68	57.83
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	380.39	61.64
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	402.68	65.46
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	414.25	69.28
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	430.11	73.22
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	432.26	73.22
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	443.83	77.03
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	445.97	77.03
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	295.61	26.95
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	315.77	30.77
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	329.47	34.69
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	347.49	38.51
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	359.05	42.33
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	374.91	46.26
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	386.47	50.08
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	402.34	53.90
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	388.14	57.83
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	419.86	65.46
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	437.15	69.28
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	448.71	73.22
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	448.71	73.22
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	462.19	77.03
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	481.39	80.84
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	481.39	80.84
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	321.37	26.95
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	348.32	34.69
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	367.52	38.51
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	379.08	42.33
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper	396.38	46.26
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper	409.85	50.08
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper	391.49	53.90
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper	403.05	57.83
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper	425.47	61.64
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper	437.03	65.46
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper	448.60	69.28
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper	470.17	73.22
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper	481.74	77.03
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper	486.75	77.03
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper	503.74	80.84
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper	513.34	80.84

23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)

23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper	140.45	31.90
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper	210.80	31.90

23 33 13 33 Splitter Damper Hardware (23 33 13)

23 33 13 33-0001	EA	Splitter Damper, Hardware	34.49	8.09
------------------	----	---------------------------	-------	------

23 33 13 43 Blower Check Valve (23 33 13)**23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)**

23 33 13 43-0002	EA	2-1/2" Blower Check Valves, Silicone Seals	181.17	29.84
23 33 13 43-0003	EA	3" Blower Check Valves, Silicone Seals	202.72	34.00
23 33 13 43-0004	EA	4" Blower Check Valves, Silicone Seals	261.30	45.10
23 33 13 43-0005	EA	5" Blower Check Valves, Silicone Seals	354.47	52.05
23 33 13 43-0006	EA	6" Blower Check Valves, Silicone Seals	399.82	62.46
23 33 13 43-0007	EA	8" Blower Check Valves, Silicone Seals	587.02	79.12

23 33 13 43-0008 Blower Check Valves With Viton Seats (23 33 13 43)

23 33 13 43-0009	EA	2-1/2" Blower Check Valves, Viton Seats	243.23	29.84
23 33 13 43-0010	EA	3" Blower Check Valves, Viton Seats	276.48	34.00

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

23 33 13 43-0011	EA	4" Blower Check Valves, Viton Seats	312.66	45.10
23 33 13 43-0012	EA	5" Blower Check Valves, Viton Seats	431.36	52.05
23 33 13 43-0013	EA	6" Blower Check Valves, Viton Seats	484.70	62.46
23 33 13 43-0014	EA	8" Blower Check Valves, Viton Seats	737.16	79.12

23 33 19 Duct Sound Trap (23 33)

23 33 19 00-0001 36" Long Packaged Duct Sound Trap (23 33 19)				
23 33 19 00-0002	EA	12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	306.53	47.42
23 33 19 00-0003	EA	12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	366.26	54.35
23 33 19 00-0004	EA	12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	466.19	62.45
23 33 19 00-0005	EA	12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	560.66	70.54
23 33 19 00-0006	EA	24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	524.42	70.54
23 33 19 00-0007	EA	24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	653.50	74.01
23 33 19 00-0008	EA	24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	718.45	78.64
23 33 19 00-0009	EA	24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	785.71	83.26
23 33 19 00-0010	EA	24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,013.99	94.82
23 33 19 00-0011	EA	36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	654.47	78.64
23 33 19 00-0012	EA	36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	871.10	94.82
23 33 19 00-0013	EA	36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,499.37	127.20
23 33 19 00-0014	EA	36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,651.24	134.15
23 33 19 00-0015	EA	48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,838.59	144.55
23 33 19 00-0016	EA	48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,059.63	157.27

23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)

23 33 19 00-0018	EA	12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	341.44	104.08
23 33 19 00-0019	EA	12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	409.26	120.27
23 33 19 00-0020	EA	12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	522.31	138.77
23 33 19 00-0021	EA	12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	628.14	156.11
23 33 19 00-0022	EA	24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	586.94	156.11
23 33 19 00-0023	EA	24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	735.12	165.36
23 33 19 00-0024	EA	24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	804.95	173.46
23 33 19 00-0025	EA	24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	876.53	182.71
23 33 19 00-0026	EA	24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,138.49	208.15
23 33 19 00-0027	EA	36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	732.25	173.46
23 33 19 00-0028	EA	36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	976.12	208.15
23 33 19 00-0029	EA	36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,674.68	274.07
23 33 19 00-0030	EA	36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,864.61	297.19
23 33 19 00-0031	EA	48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,063.03	315.70
23 33 19 00-0032	EA	48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,317.56	346.92

23 33 19 00-0033 84" Long Packaged Duct Sound Trap (23 33 19)

23 33 19 00-0034	EA	6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	292.21	86.73
23 33 19 00-0035	EA	6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	490.42	129.51
23 33 19 00-0036	EA	6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	688.66	189.65
23 33 19 00-0037	EA	12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	387.49	104.08
23 33 19 00-0038	EA	12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	477.12	120.27
23 33 19 00-0039	EA	12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	633.79	138.77
23 33 19 00-0040	EA	12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	740.84	149.18
23 33 19 00-0041	EA	12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	807.35	160.74
23 33 19 00-0042	EA	12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,001.25	173.46
23 33 19 00-0043	EA	12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,175.78	189.65
23 33 19 00-0044	EA	24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	705.56	160.74
23 33 19 00-0045	EA	24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	973.09	167.68
23 33 19 00-0046	EA	24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,056.99	173.46
23 33 19 00-0047	EA	24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,147.96	182.71
23 33 19 00-0048	EA	24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,422.71	196.59
23 33 19 00-0049	EA	24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,540.79	208.15

23 33 23 Duct Turning Vanes (23 33)

23 33 23 00-0001 Duct Turning Vane Components (23 33 23)

23 33 23 00-0002	LF	Duct Turning Vane Rail.....	7.49	2.89
		<i>For Stainless Steel, Add</i>	1.94	
23 33 23 00-0003	LF	Double Thick Factory Fabricated, Duct Turning Vane	4.64	1.16
		<i>For Stainless Steel, Add</i>	2.91	

23 33 23 00-0004 Duct Turning Vane Sets (23 33 23)

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005	LF	12" High Duct Turning Vanes, Sets	15.70	4.34
		<i>For Stainless Steel, Add</i>	13.36	
23 33 23 00-0006	LF	14" High Duct Turning Vanes, Sets	18.78	4.62
		<i>For Stainless Steel, Add</i>	16.90	
23 33 23 00-0007	LF	16" High Duct Turning Vanes, Sets	24.32	4.85
		<i>For Stainless Steel, Add</i>	23.66	
23 33 23 00-0008	LF	18" High Duct Turning Vanes, Sets	29.90	5.21
		<i>For Stainless Steel, Add</i>	30.42	
23 33 23 00-0009	LF	20" High Duct Turning Vanes, Sets	32.93	5.55
		<i>For Stainless Steel, Add</i>	33.80	
23 33 23 00-0010	LF	22" High Duct Turning Vanes, Sets	40.30	5.21
		<i>For Stainless Steel, Add</i>	43.95	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 23 00-0011	LF	24" High Duct Turning Vanes, Sets	49.32	6.13
		<i>For Stainless Steel, Add</i>	54.09	
23 33 23 00-0012	LF	26" High Duct Turning Vanes, Sets	52.75	6.40
		<i>For Stainless Steel, Add</i>	58.16	
23 33 23 00-0013	LF	30" High Duct Turning Vanes, Sets	58.42	6.66
		<i>For Stainless Steel, Add</i>	65.13	

23 33 33 Duct-Mounting Access Doors (23 33)**23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication (23 33 33)**

23 33 33 00-0002	EA	6" x 6" Duct Access Doors Insulated Factory Fabrication	90.64	16.19
		<i>For Stainless Steel, Add</i>	51.20	
23 33 33 00-0003	EA	10" x 10" Duct Access Doors Insulated Factory Fabrication	96.02	16.19
		<i>For Stainless Steel, Add</i>	61.96	
23 33 33 00-0004	EA	12" x 12" Duct Access Doors Insulated Factory Fabrication	98.65	16.19
		<i>For Stainless Steel, Add</i>	67.22	
23 33 33 00-0005	EA	12" x 18" Duct Access Doors Insulated Factory Fabrication	127.45	19.66
		<i>For Stainless Steel, Add</i>	94.78	
23 33 33 00-0006	EA	16" x 12" Duct Access Doors Insulated Factory Fabrication	128.52	19.66
		<i>For Stainless Steel, Add</i>	96.92	
23 33 33 00-0007	EA	18" x 18" Duct Access Doors Insulated Factory Fabrication	159.85	26.60
		<i>For Stainless Steel, Add</i>	111.54	
23 33 33 00-0008	EA	24" x 18" Duct Access Doors Insulated Factory Fabrication	190.15	32.38
		<i>For Stainless Steel, Add</i>	120.10	
23 33 33 00-0009	EA	24" x 24" Duct Access Doors Insulated Factory Fabrication	247.20	43.95
		<i>For Stainless Steel, Add</i>	147.48	

23 33 43 Flexible Duct Connectors (23 33)

23 33 43 00-0001	LF	Flex Duct Connector, Fabric/Sheet Metal	13.20	3.47
23 33 43 00-0002	LF	Flex Duct Connector, Rubber Vinyl	13.12	3.13

23 33 46 Flexible Ducts (23 33)**23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket (23 33 46)**

Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.

23 33 46 00-0002	LF	4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	6.43	1.16
23 33 46 00-0003	LF	5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	7.18	2.31
23 33 46 00-0004	LF	6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	8.24	2.31
23 33 46 00-0005	LF	7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	9.64	2.31
23 33 46 00-0006	LF	8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	11.62	3.47
23 33 46 00-0007	LF	10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	14.92	3.47
23 33 46 00-0008	LF	12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	20.43	4.62
23 33 46 00-0009	LF	14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	25.48	4.62
23 33 46 00-0010	LF	16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	33.69	5.78

23 33 46 00-0011 Collars, Sheet Metal Spin-In Type With Damper (23 33 46)

23 33 46 00-0012	EA	Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	39.05	6.93
		<i>For Stainless Steel, Add</i>	16.94	
23 33 46 00-0013	EA	5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	42.94	8.09
		<i>For Stainless Steel, Add</i>	17.16	
23 33 46 00-0014	EA	6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	49.25	8.09
		<i>For Stainless Steel, Add</i>	18.93	
23 33 46 00-0015	EA	7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	56.65	10.41
		<i>For Stainless Steel, Add</i>	19.53	
23 33 46 00-0016	EA	8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	69.00	12.72
		<i>For Stainless Steel, Add</i>	22.05	
23 33 46 00-0017	EA	10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	80.39	15.03
		<i>For Stainless Steel, Add</i>	27.20	
23 33 46 00-0018	EA	12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	91.92	17.35
		<i>For Stainless Steel, Add</i>	29.30	
23 33 46 00-0019	EA	14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	108.02	19.66
		<i>For Stainless Steel, Add</i>	36.69	
23 33 46 00-0020	EA	16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	117.60	21.97
		<i>For Stainless Steel, Add</i>	40.13	

23 33 53 Duct Liners (23 33)**23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation (23 33 53)**

23 33 53 00-0002	SF	1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.71	3.59
23 33 53 00-0003	SF	3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	13.91	3.59
23 33 53 00-0004	SF	1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	15.40	4.78
23 33 53 00-0005	SF	1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	18.83	4.78
23 33 53 00-0006	SF	2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	22.73	5.38
23 33 53 00-0007	SF	1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	10.96	3.47
23 33 53 00-0008	SF	3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.00	3.47
23 33 53 00-0009	SF	1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	13.34	4.62
23 33 53 00-0010	SF	1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	16.21	4.62
23 33 53 00-0011	SF	2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	19.65	5.21

23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation (23 33 53)

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

23 33 53 00-0013	SF	1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket.....	2.09	2.77
23 33 53 00-0014	SF	1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket.....	2.13	3.13
23 33 53 00-0015	SF	1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket.....	2.98	3.13
23 33 53 00-0016	SF	1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket.....	3.82	3.13
23 33 53 00-0017	SF	1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket.....	3.21	3.47
23 33 53 00-0018	SF	2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket.....	3.41	3.82
23 33 53 00-0019	SF	2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket.....	5.22	3.82

23 33 56 Duct Air Extractors (23 33)

23 33 56 00-0001	EA	12" x 4" Duct Air Extractor.....	50.03	19.08
		<i>For Stainless Steel, Add</i>	15.43	
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor.....	53.50	20.81
		<i>For Stainless Steel, Add</i>	15.43	
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor.....	60.37	21.97
		<i>For Stainless Steel, Add</i>	21.36	
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor.....	67.10	23.12
		<i>For Stainless Steel, Add</i>	27.09	
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor.....	85.29	25.44
		<i>For Stainless Steel, Add</i>	44.73	
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor.....	64.68	23.12
		<i>For Stainless Steel, Add</i>	23.95	
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor.....	84.48	28.91
		<i>For Stainless Steel, Add</i>	34.66	
23 33 56 00-0008	EA	18" x 10" Duct Air Extractor.....	92.09	32.95
		<i>For Stainless Steel, Add</i>	34.02	
23 33 56 00-0009	EA	24" x 10" Duct Air Extractor.....	111.40	38.73
		<i>For Stainless Steel, Add</i>	44.11	
23 33 56 00-0010	EA	24" x 12" Duct Air Extractor.....	128.86	46.26
		<i>For Stainless Steel, Add</i>	47.26	
23 33 56 00-0011	EA	30" x 12" Duct Air Extractor.....	161.20	57.82
		<i>For Stainless Steel, Add</i>	59.23	

23 33 59 Duct Pressure Relief Doors (23 33)

23 33 59 00-0001	Duct Pressure Relief Doors (23 33 59)			
23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18).....	743.53	34.69
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18).....	611.54	28.91
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18).....	611.01	31.80

23 34 HVAC Fans (23 30)

23 34 13 Axial HVAC Fans (23 34)

23 34 13 00-0001	Tube-Axial Fans (23 34 13)			
23 34 13 00-0002	Direct Drive Tube-Axial Duct Fans (23 34 13 00-0001)			
23 34 13 00-0003	EA	12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure.....	1,348.76	354.53
		<i>For 1/4" Static Pressure, Add</i>	51.12	
		<i>For 3/8" Static Pressure, Add</i>	102.24	
		<i>For 1/2" Static Pressure, Add</i>	140.58	
23 34 13 00-0004	EA	12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure.....	1,394.40	355.60
		<i>For 1/4" Static Pressure, Add</i>	54.77	
		<i>For 3/8" Static Pressure, Add</i>	109.54	
		<i>For 1/2" Static Pressure, Add</i>	150.62	
23 34 13 00-0005	EA	16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure.....	1,485.68	354.53
		<i>For 1/4" Static Pressure, Add</i>	62.07	
		<i>For 3/8" Static Pressure, Add</i>	124.14	
		<i>For 1/2" Static Pressure, Add</i>	170.70	
23 34 13 00-0006	EA	20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure.....	1,576.97	355.60
		<i>For 1/4" Static Pressure, Add</i>	69.38	
		<i>For 3/8" Static Pressure, Add</i>	138.75	
		<i>For 1/2" Static Pressure, Add</i>	190.78	
23 34 13 00-0007	EA	22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure.....	1,855.84	425.87
		<i>For 1/4" Static Pressure, Add</i>	80.33	
		<i>For 3/8" Static Pressure, Add</i>	160.66	
		<i>For 1/2" Static Pressure, Add</i>	220.90	
23 34 13 00-0008	EA	24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure.....	2,112.47	463.13
		<i>For 1/4" Static Pressure, Add</i>	94.93	
		<i>For 3/8" Static Pressure, Add</i>	189.87	
		<i>For 1/2" Static Pressure, Add</i>	261.07	
23 34 13 00-0009	EA	24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure.....	2,246.29	506.78
		<i>For 1/4" Static Pressure, Add</i>	98.59	
		<i>For 3/8" Static Pressure, Add</i>	197.17	
		<i>For 1/2" Static Pressure, Add</i>	271.11	
23 34 13 00-0010	EA	30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure.....	2,525.18	532.33
		<i>For 1/4" Static Pressure, Add</i>	116.84	
		<i>For 3/8" Static Pressure, Add</i>	233.68	
		<i>For 1/2" Static Pressure, Add</i>	321.31	
23 34 13 00-0011	EA	30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure.....	3,065.20	665.42
		<i>For 1/4" Static Pressure, Add</i>	138.75	
		<i>For 3/8" Static Pressure, Add</i>	277.50	
		<i>For 1/2" Static Pressure, Add</i>	381.56	
23 34 13 00-0012	EA	36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure.....	3,427.77	710.13
		<i>For 1/4" Static Pressure, Add</i>	160.66	
		<i>For 3/8" Static Pressure, Add</i>	321.32	
		<i>For 1/2" Static Pressure, Add</i>	441.81	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0013	EA		36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure.....	4,011.29	818.73
			For 1/4" Static Pressure, Add	189.87	
			For 3/8" Static Pressure, Add	379.74	
			For 1/2" Static Pressure, Add	522.14	
23 34 13 00-0014			Belt Drive Tube-Axial Duct Fans (23 34 13 00-0001)		
23 34 13 00-0015	EA		15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure.....	1,284.67	343.89
			For 1/4" Static Pressure, Add	47.82	
			For 3/8" Static Pressure, Add	95.65	
			For 1/2" Static Pressure, Add	131.51	
23 34 13 00-0016	EA		15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure.....	1,354.76	355.60
			For 1/4" Static Pressure, Add	51.60	
			For 3/8" Static Pressure, Add	103.20	
			For 1/2" Static Pressure, Add	141.90	
23 34 13 00-0017	EA		18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure.....	1,400.21	367.31
			For 1/4" Static Pressure, Add	53.28	
			For 3/8" Static Pressure, Add	106.55	
			For 1/2" Static Pressure, Add	146.51	
23 34 13 00-0018	EA		18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure.....	1,475.37	380.09
			For 1/4" Static Pressure, Add	57.19	
			For 3/8" Static Pressure, Add	114.38	
			For 1/2" Static Pressure, Add	157.28	
23 34 13 00-0019	EA		18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure.....	1,636.38	394.99
			For 1/4" Static Pressure, Add	67.82	
			For 3/8" Static Pressure, Add	135.64	
			For 1/2" Static Pressure, Add	186.50	
23 34 13 00-0020	EA		24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure.....	1,720.90	409.89
			For 1/4" Static Pressure, Add	72.15	
			For 3/8" Static Pressure, Add	144.31	
			For 1/2" Static Pressure, Add	198.42	
23 34 13 00-0021	EA		24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure.....	1,900.48	425.87
			For 1/4" Static Pressure, Add	83.90	
			For 3/8" Static Pressure, Add	167.80	
			For 1/2" Static Pressure, Add	230.73	
23 34 13 00-0022	EA		24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure.....	2,099.92	425.87
			For 1/4" Static Pressure, Add	99.96	
			For 3/8" Static Pressure, Add	199.93	
			For 1/2" Static Pressure, Add	274.90	
23 34 13 00-0023	EA		30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure.....	2,409.92	463.13
			For 1/4" Static Pressure, Add	118.86	
			For 3/8" Static Pressure, Add	237.72	
			For 1/2" Static Pressure, Add	326.86	
23 34 13 00-0024	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure.....	2,866.27	561.08
			For 1/4" Static Pressure, Add	139.83	
			For 3/8" Static Pressure, Add	279.67	
			For 1/2" Static Pressure, Add	384.54	
23 34 13 00-0025	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure.....	3,205.65	561.08
			For 1/4" Static Pressure, Add	166.61	
			For 3/8" Static Pressure, Add	333.21	
			For 1/2" Static Pressure, Add	458.17	
23 34 13 00-0026	EA		36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure.....	3,508.32	591.95
			For 1/4" Static Pressure, Add	186.03	
			For 3/8" Static Pressure, Add	372.06	
			For 1/2" Static Pressure, Add	511.58	
23 34 13 00-0027	EA		36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	3,815.52	626.02
			For 1/4" Static Pressure, Add	205.27	
			For 3/8" Static Pressure, Add	410.55	
			For 1/2" Static Pressure, Add	564.50	
23 34 13 00-0028	EA		36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	4,429.59	818.73
			For 1/4" Static Pressure, Add	223.73	
			For 3/8" Static Pressure, Add	447.47	
			For 1/2" Static Pressure, Add	615.27	
23 34 13 00-0029	EA		36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure.....	4,965.06	819.79
			For 1/4" Static Pressure, Add	266.57	
			For 3/8" Static Pressure, Add	533.14	
			For 1/2" Static Pressure, Add	733.07	
23 34 13 00-0030	EA		42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure.....	5,641.43	967.57
			For 1/4" Static Pressure, Add	297.02	
			For 3/8" Static Pressure, Add	594.03	
			For 1/2" Static Pressure, Add	816.79	
23 34 16			Centrifugal HVAC Fans (23 34)		
23 34 16 00-0001			Centrifugal Fans (23 34 16) Note: All belt fans to be supplied with belt guard.		
23 34 16 00-0002			Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001) Note: V-belt driven.		
23 34 16 00-0003			Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002) Note: Under 30" diameter wheel.		
23 34 16 00-0004			12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0005	EA		1/6 HP Centrifugal Fan, 12-1/4" Wheel, 450 - 1,750 CFM At 1/8" Static Pressure.....	1,030.90	233.90
23 34 16 00-0006	EA		1/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure.....	1,449.86	242.74
23 34 16 00-0007	EA		1/3 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure.....	1,493.73	193.45
23 34 16 00-0008	EA		1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure.....	1,559.41	265.11
23 34 16 00-0009	EA		3/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure.....	1,600.60	281.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0010	EA		1 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,652.64	292.78
23 34 16 00-0011	EA		1-1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,707.33	311.95
23 34 16 00-0012			13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0013	EA		1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,664.30	255.52
23 34 16 00-0014	EA		1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,695.94	265.11
23 34 16 00-0015	EA		1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,754.10	281.07
23 34 16 00-0016	EA		3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,788.87	292.78
23 34 16 00-0017	EA		1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,852.50	311.95
23 34 16 00-0018	EA		1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,914.24	326.85
23 34 16 00-0019			15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0020	EA		1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,678.91	265.11
23 34 16 00-0021	EA		1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,720.05	281.07
23 34 16 00-0022	EA		1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,771.84	292.78
23 34 16 00-0023	EA		3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,818.44	311.95
23 34 16 00-0024	EA		1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,874.51	326.85
23 34 16 00-0025	EA		1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,954.21	351.34
23 34 16 00-0026	EA		2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,016.29	369.44
23 34 16 00-0027			16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0028	EA		1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,915.87	281.07
23 34 16 00-0029	EA		1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,985.36	292.78
23 34 16 00-0030	EA		1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,064.32	311.95
23 34 16 00-0031	EA		3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,107.17	326.85
23 34 16 00-0032	EA		1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,165.14	351.34
23 34 16 00-0033	EA		1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,214.00	369.44
23 34 16 00-0034	EA		2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,455.99	401.38
23 34 16 00-0035			18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0036	EA		1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,980.44	292.78
23 34 16 00-0037	EA		1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,031.29	311.95
23 34 16 00-0038	EA		1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,095.89	326.85
23 34 16 00-0039	EA		3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,150.05	351.34
23 34 16 00-0040	EA		1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,220.64	369.44
23 34 16 00-0041	EA		1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,328.28	401.38
23 34 16 00-0042	EA		2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,399.20	425.87
23 34 16 00-0043	EA		3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,506.79	468.45
23 34 16 00-0044			20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0045	EA		1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,005.76	311.95
23 34 16 00-0046	EA		1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,070.33	326.85
23 34 16 00-0047	EA		1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,150.05	351.34
23 34 16 00-0048	EA		3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,220.64	369.44
23 34 16 00-0049	EA		1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,353.81	401.38
23 34 16 00-0050	EA		1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,534.20	425.87
23 34 16 00-0051	EA		2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,668.08	468.45
23 34 16 00-0052	EA		3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,803.92	501.46
23 34 16 00-0053			22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0054	EA		1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,396.72	326.85
23 34 16 00-0055	EA		1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,446.89	351.34
23 34 16 00-0056	EA		1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,511.54	369.44
23 34 16 00-0057	EA		3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,595.06	401.38
23 34 16 00-0058	EA		1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,700.73	425.87
23 34 16 00-0059	EA		1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,746.12	468.45
23 34 16 00-0060	EA		2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,820.94	501.46
23 34 16 00-0061	EA		3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,954.76	562.14
23 34 16 00-0062			24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0063	EA		1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,870.93	351.34
23 34 16 00-0064	EA		1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,975.36	401.38
23 34 16 00-0065	EA		3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,071.83	425.87
23 34 16 00-0066	EA		1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,178.93	468.45
23 34 16 00-0067	EA		1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,272.20	501.46
23 34 16 00-0068	EA		2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,363.46	562.14
23 34 16 00-0069	EA		3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,480.10	611.11
23 34 16 00-0070	EA		5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,746.67	702.68
23 34 16 00-0071			27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0072	EA		1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,175.66	369.44
23 34 16 00-0073	EA		1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,284.70	425.87
23 34 16 00-0074	EA		3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,391.79	468.45

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0075	EA		1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,485.06	501.46
23 34 16 00-0076	EA		1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,618.88	562.14
23 34 16 00-0077	EA		2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,735.27	611.11
23 34 16 00-0078	EA		3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,019.93	702.68
23 34 16 00-0079	EA		5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,077.84	780.40
23 34 16 00-0080			Large Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)		
			Note: Over 30" diameter wheel.		
23 34 16 00-0081			30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure (23 34 16 00-0080)		
23 34 16 00-0082	EA		1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,434.80	468.45
23 34 16 00-0083	EA		3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,524.72	501.46
23 34 16 00-0084	EA		1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,666.15	562.14
23 34 16 00-0085	EA		1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	4,791.05	611.11
23 34 16 00-0086	EA		2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,981.26	702.68
23 34 16 00-0087	EA		3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,150.64	780.40
23 34 16 00-0088	EA		5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,438.32	936.91
23 34 16 00-0089	EA		7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,702.77	1,080.64
23 34 16 00-0090			33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure (23 34 16 00-0080)		
23 34 16 00-0091	EA		1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	5,187.94	501.46
23 34 16 00-0092	EA		3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	5,364.33	562.14
23 34 16 00-0093	EA		1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	5,523.55	611.11
23 34 16 00-0094	EA		1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,747.55	702.68
23 34 16 00-0095	EA		2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	5,951.00	780.40
23 34 16 00-0096	EA		3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,272.72	936.91
23 34 16 00-0097	EA		5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,623.30	1,080.64
23 34 16 00-0098	EA		7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,152.80	1,405.36
23 34 16 00-0099			36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure (23 34 16 00-0080)		
23 34 16 00-0100	EA		1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,340.46	562.14
23 34 16 00-0101	EA		3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,414.53	611.11
23 34 16 00-0102	EA		1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,553.39	702.68
23 34 16 00-0103	EA		1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,688.85	780.40
23 34 16 00-0104	EA		2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,343.45	936.91
23 34 16 00-0105	EA		3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,634.17	1,080.64
23 34 16 00-0106	EA		5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,200.33	1,405.36
23 34 16 00-0107	EA		7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,807.44	1,756.69
23 34 16 00-0108			Kitchen System Fans (23 34 16 00-0001)		
23 34 16 00-0109			Upblast Kitchen Exhaust Fans (23 34 16 00-0108)		
23 34 16 00-0110			Direct Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)		
			Note: Greenheck CUE.		
23 34 16 00-0111	EA		Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan.....	878.14	138.40
			Note: 115V. For roof or wall installations. Includes disconnect switch.		
			For Bird Screen, Add	34.08	
			For Backdraft Damper, Add	85.58	
			For Damper Motor, Add	129.88	
23 34 16 00-0112	EA		14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,013.51	138.40
			Note: 115V. For roof or wall installations. Includes disconnect switch.		
			For Bird Screen, Add	34.08	
			For Backdraft Damper, Add	85.58	
			For Damper Motor, Add	129.88	
23 34 16 00-0113			Belt Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)		
			Note: Greenheck CUBE.		
23 34 16 00-0114	EA		10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,441.24	138.40
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	34.08	
			For Wall Mounted Fan, Add	57.65	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	98.98	
			For Backdraft Damper, Add	85.58	
			For Damper Motor, Add	129.88	
23 34 16 00-0115	EA		12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,500.00	138.40
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	34.08	
			For Wall Mounted Fan, Add	60.00	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	103.97	
			For Backdraft Damper, Add	85.58	
			For Damper Motor, Add	129.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0116	EA		14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,315.80	159.69
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	38.78	
			For Wall Mounted Fan, Add	52.63	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	84.69	
			For Backdraft Damper, Add	96.91	
			For Damper Motor, Add	129.88	
23 34 16 00-0117	EA		14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,400.40	159.69
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	38.78	
			For Wall Mounted Fan, Add	56.02	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	91.89	
			For Backdraft Damper, Add	96.91	
			For Damper Motor, Add	129.88	
23 34 16 00-0118	EA		16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,768.53	186.31
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	38.78	
			For Wall Mounted Fan, Add	70.74	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	118.65	
			For Backdraft Damper, Add	96.91	
			For Damper Motor, Add	129.88	
23 34 16 00-0119	EA		16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,859.01	186.31
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	38.78	
			For Wall Mounted Fan, Add	74.36	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	126.34	
			For Backdraft Damper, Add	96.91	
			For Damper Motor, Add	129.88	
23 34 16 00-0120	EA		18" Diameter Wheel, 1/2 HP, 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,023.10	199.62
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	64.62	
			For Wall Mounted Fan, Add	80.92	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	138.03	
			For Backdraft Damper, Add	117.23	
			For Damper Motor, Add	129.88	
23 34 16 00-0121	EA		18" Diameter Wheel, 1 HP, 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,164.10	199.62
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	64.62	
			For Wall Mounted Fan, Add	86.56	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	150.01	
			For Backdraft Damper, Add	117.23	
			For Damper Motor, Add	129.88	
23 34 16 00-0122	EA		20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,207.17	212.93
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	64.62	
			For Wall Mounted Fan, Add	88.29	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	151.41	
			For Backdraft Damper, Add	117.23	
			For Damper Motor, Add	129.88	
23 34 16 00-0123	EA		20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,405.75	212.93
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	64.62	
			For Wall Mounted Fan, Add	96.23	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	168.29	
			For Backdraft Damper, Add	117.23	
			For Damper Motor, Add	129.88	
23 34 16 00-0124	EA		24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,766.81	239.55
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	76.38	
			For Wall Mounted Fan, Add	110.67	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	194.46	
			For Backdraft Damper, Add	127.56	
			For Damper Motor, Add	129.88	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,948.94	239.55
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	76.38	
		For Wall Mounted Fan, Add	117.96	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	209.94	
		For Backdraft Damper, Add	127.56	
		For Damper Motor, Add	129.88	
23 34 16 00-0126	EA	30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	3,482.75	266.16
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	82.25	
		For Wall Mounted Fan, Add	139.31	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	250.79	
		For Backdraft Damper, Add	140.88	
		For Damper Motor, Add	129.88	
23 34 16 00-0127	EA	30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	3,542.68	266.16
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	82.25	
		For Wall Mounted Fan, Add	141.71	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	255.88	
		For Backdraft Damper, Add	140.88	
		For Damper Motor, Add	129.88	
23 34 16 00-0128	EA	30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	3,847.01	266.16
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	82.25	
		For Wall Mounted Fan, Add	153.88	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	281.75	
		For Backdraft Damper, Add	140.88	
		For Damper Motor, Add	129.88	
23 34 16 00-0129	EA	30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	3,993.88	266.16
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	82.25	
		For Wall Mounted Fan, Add	159.76	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	294.23	
		For Backdraft Damper, Add	140.88	
		For Damper Motor, Add	129.88	
23 34 16 00-0130	EA	36" Diameter Wheel, 3 HP, 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	4,397.44	292.78
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	94.00	
		For Wall Mounted Fan, Add	175.90	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	324.01	
		For Damper Motor, Add	129.88	
		For Backdraft Damper, Add	162.34	
23 34 16 00-0131	EA	36" Diameter Wheel, 5 HP, 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	4,566.34	292.78
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	94.00	
		For Wall Mounted Fan, Add	182.65	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	338.37	
		For Damper Motor, Add	129.88	
		For Backdraft Damper, Add	162.34	
23 34 16 00-0132	EA	42" Diameter Wheel, 3 HP, 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	4,624.30	319.40
		Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	94.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	338.77	
		For Damper Motor, Add	129.88	
		For Backdraft Damper, Add	185.20	
23 34 16 00-0133	EA	42" Diameter Wheel, 7-1/2 HP, 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	4,995.13	319.40
		Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	94.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	370.29	
		For Damper Motor, Add	129.88	
		For Backdraft Damper, Add	185.20	
23 34 16 00-0134		Untempered Kitchen Make-Up Air Fans <small>(23 34 16 00-0108)</small>		
		Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135		Direct Drive Kitchen Make-Up Air Fans <small>(23 34 16 00-0134)</small>		
23 34 16 00-0136	EA	7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan	1,003.10	138.40
		Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
		For Extended Weatherhood, Add	178.12	
23 34 16 00-0137	EA	8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan	1,049.09	138.40
		Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
		For Extended Weatherhood, Add	185.02	

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

23 34 16 00-0138	EA	9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	1,105.53 193.48	138.40
23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)				
23 34 16 00-0140	EA	9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	1,127.42 196.77	138.40
23 34 16 00-0141	EA	10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	1,286.05 230.17	186.31
23 34 16 00-0142	EA	12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	1,542.12 273.91	212.93
23 34 16 00-0143	EA	15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	1,801.33 323.43	266.16
23 34 16 00-0144	EA	18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	2,178.00 390.58	319.40
23 34 16 00-0145 Replacement Parts (23 34 16 00-0001)				
23 34 16 00-0146 Replace Belts And Accessories (23 34 16 00-0145)				
23 34 16 00-0147	EA	Fan Shaft Bearing, Replacement	862.30	404.59
23 34 16 00-0148	EA	Fan Belt, Replacement	131.11	54.90
23 34 16 00-0149 Corrosive Fume Resistant Plastic (23 34 16 00-0001)				
23 34 16 00-0150 Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure (23 34 16 00-0149)				
23 34 16 00-0151	EA	250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	3,637.35 487.84	192.54
23 34 16 00-0152	EA	895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	3,968.26 525.86	231.28
23 34 16 00-0153	EA	1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	4,717.46 620.89	289.10
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	5,121.84 652.57	385.66
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	5,971.46 722.26	578.20
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	10,422.37 1,216.44	1,156.40
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	15,174.79 1,780.30	1,653.07
23 34 16 00-0158 Utility Set, Centrifugal, Belt Drive (23 34 16 00-0149)				
23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	3,637.35 487.84	192.54
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	3,757.07 494.18	231.28
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	3,872.71 494.18	289.10
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	4,065.90 494.18	385.66
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	5,633.56 671.57	578.20
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	5,922.66 671.57	722.74
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	6,131.25 671.57	827.05
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	6,296.22 684.24	867.30
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	6,531.20 690.58	963.63
23 34 16 00-0168 In-Line Duct Fans (23 34 16 00-0001)				
23 34 16 00-0169 Direct Drive In-Line Duct Fans (23 34 16 00-0168)				
Note: Greenheck SQ.				
23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	1,086.95	138.40
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	1,372.26	149.05
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	1,502.48	159.69

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0173			Belt Drive In-Line Duct Fans (23 34 16 00-0168) Note: Greenheck BSQ.		
23 34 16 00-0174	EA		Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan.....	1,565.50	159.69
			Note: 115/208-230/60/1. Includes disconnect switch.		
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0175	EA		13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan.....	1,800.96	186.31
			Note: 115/208-230/60/1. Includes disconnect switch.		
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0176	EA		13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan.....	2,011.27	186.31
			Note: 115/208-230/60/1. Includes disconnect switch.		
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0177	EA		13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan.....	2,190.06	186.31
			Note: 115/208-230/60/1. Includes disconnect switch.		
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0178	EA		16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan.....	2,152.19	212.93
			Note: 115/208-230/60/1. Includes disconnect switch.		
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0179	EA		16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan.....	2,454.98	212.93
			Note: 115/208-230/60/1. Includes disconnect switch.		
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0180	EA		24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan.....	3,121.12	266.16
			Note: 115/208-230/60/1. Includes disconnect switch.		
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0181	EA		24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan.....	3,288.27	266.16
			Note: 230/460/60/3. Includes disconnect switch.		
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0182	EA		24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan.....	3,406.10	266.16
			Note: Belt drive. 230/460/60/3. Includes disconnect switch.		
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0183	EA		30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan.....	3,946.27	319.40
			Note: 230/460/60/3. Includes disconnect switch.		
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0184	EA		30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan.....	4,086.90	319.40
			Note: 230/460/60/3. Includes disconnect switch.		
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0185	EA		30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan.....	4,259.73	319.40
			Note: 230/460/60/3. Includes disconnect switch.		
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0186			In-Line Cabinet Fans (23 34 16 00-0001)		
23 34 16 00-0187	EA		950 CFM, 80 Watts, Direct Drive In-Line Cabinet Fan.....	332.66	93.16
23 34 16 00-0188	EA		1,050 CFM, 129 Watts, Direct Drive In-Line Cabinet Fan.....	348.07	93.16
23 34 16 00-0189	EA		1,100 CFM, 173 Watts, Direct Drive In-Line Cabinet Fan.....	368.98	93.16
23 34 16 00-0190	EA		950 CFM, 48.7 Watts, Direct Drive In-Line Cabinet Fan.....	367.88	93.16
23 34 16 00-0191	EA		1,100 CFM, 52.5 Watts, Direct Drive In-Line Cabinet Fan.....	367.88	93.16
23 34 16 00-0192	EA		1,400 CFM, 100 Watts, Direct Drive In-Line Cabinet Fan.....	400.89	93.16
23 34 16 00-0193	EA		900 CFM, 48.2 Watts, Direct Drive In-Line Cabinet Fan.....	470.96	98.48
23 34 16 00-0194	EA		1,000 CFM, 82.7 Watts, Direct Drive In-Line Cabinet Fan.....	412.64	98.48
23 34 16 00-0195	EA		1,050 CFM, 80.7 Watts, Direct Drive In-Line Cabinet Fan.....	434.65	98.48
23 34 16 00-0196	EA		1,350 CFM, 140 Watts, Direct Drive In-Line Cabinet Fan.....	448.95	98.48
23 34 16 00-0197	EA		1,000 CFM, 135 Watts, Direct Drive In-Line Cabinet Fan.....	465.46	98.48
23 34 16 00-0198	EA		1,070 CFM, 217 Watts, Direct Drive In-Line Cabinet Fan.....	465.46	98.48
23 34 16 00-0199	EA		1,100 CFM, 350 Watts, Direct Drive In-Line Cabinet Fan.....	714.89	103.80
23 34 16 00-0200	EA		1,080 CFM, 325 Watts, Direct Drive In-Line Cabinet Fan.....	614.76	103.80
23 34 16 00-0201	EA		1,600 CFM, 405 Watts, Direct Drive In-Line Cabinet Fan.....	614.76	103.80
23 34 16 00-0202	EA		950 CFM, 328 Watts, Direct Drive In-Line Cabinet Fan.....	802.93	103.80
23 34 16 00-0203	EA		1,095 CFM, 455 Watts, Direct Drive In-Line Cabinet Fan.....	802.93	103.80
23 34 16 00-0204	EA		1,450 CFM, 822 Watts, Direct Drive In-Line Cabinet Fan.....	802.93	103.80
23 34 16 00-0205	EA		1,610 CFM, 830 Watts, Direct Drive In-Line Cabinet Fan.....	865.65	103.80
23 34 16 00-0206			Propeller And Ceiling Fans (23 34 16)		
23 34 16 00-0207			Direct Drive, Sidewall Propeller Exhaust Fan (23 34 16 00-0206) Note: Greenheck SE1.		
23 34 16 00-0208	EA		1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	495.86	113.92
			Note: Includes motor side guard.		
			<i>For Backdraft Damper, Add</i>	88.94	
			<i>For Wall Mount Collar, Add</i>	169.97	
23 34 16 00-0209	EA		1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	529.63	126.69
			Note: Includes motor side guard.		
			<i>For Backdraft Damper, Add</i>	97.26	
			<i>For Wall Mount Collar, Add</i>	169.97	
23 34 16 00-0210	EA		1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	586.68	140.53
			Note: Includes motor side guard.		
			<i>For Backdraft Damper, Add</i>	107.58	
			<i>For Wall Mount Collar, Add</i>	174.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0211	EA		1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	822.00 126.91 177.97 142.25	155.44
23 34 16 00-0212	EA		1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	864.81 126.91 182.56 151.53	172.47
23 34 16 00-0213	EA		1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	970.60 151.23 187.15 160.83	191.64
23 34 16 00-0214	EA		1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	1,103.90 151.23 190.56 173.64	212.93
23 34 16 00-0215			Belt Drive Propeller Exhaust Fans (23 34 16 00-0206) Note: Wall shutter 1/8" static pressure, with birdscreen.		
23 34 16 00-0216	EA		24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter.....	1,624.15	304.49
23 34 16 00-0217	EA		30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter.....	1,865.16	354.53
23 34 16 00-0218	EA		36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter.....	2,133.78	425.87
23 34 16 00-0219	EA		42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter.....	2,924.20	532.33
23 34 16 00-0220	EA		48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter.....	3,546.20	710.13
23 34 16 00-0221	EA		54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter.....	4,986.46	1,064.66
23 34 16 00-0222	EA		60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter.....	6,052.44	1,364.89
23 34 16 00-0223			Propeller Exhaust Fan Accessories (23 34 16 00-0206)		
23 34 16 00-0224	SF		Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening).....	85.71	
23 34 16 00-0225	SF		Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening).....	193.20	
23 34 16 00-0226			Reversible Ceiling Fans (23 34 16 00-0206)		
23 34 16 00-0227			4 Blade Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0228	EA		42" 4-Blade Ceiling Fan, Three Speed <i>For Brass Plated Motor, Add</i> <i>For Light Kit, Add</i>	420.47 20.25 26.05	63.16
23 34 16 00-0229			5 Blade Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0230	EA		42" 5-Blade Ceiling Fan, Three Speed <i>For Brass Plated Motor, Add</i> <i>For Light Kit, Add</i>	456.96 20.25 26.12	156.31
23 34 16 00-0231	EA		52" 5-Blade Ceiling Fan, Three Speed <i>For Brass Plated Motor, Add</i> <i>For Light Kit, Add</i>	519.02 20.25 26.24	156.31
23 34 16 00-0232			3 Blade Weatherproof Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0233	EA		3-Blade Ceiling Fan, Weatherproof, Three Speed	402.65	52.71
23 34 16 00-0234			Exhaust Fans (23 34 16)		
23 34 16 00-0235			Exhaust Fans (23 34 16 00-0234) Note: Excludes ducting.		
23 34 16 00-0236			Light Duty Exhaust Fans (23 34 16 00-0235)		
23 34 16 00-0237			Light Duty Exhaust Fans (23 34 16 00-0236)		
23 34 16 00-0238	EA		50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670).....	131.55	51.04
23 34 16 00-0239	EA		70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671).....	136.47	51.04
23 34 16 00-0240	EA		180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505).....	195.56	51.04
23 34 16 00-0241	EA		350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504).....	235.07	51.04
23 34 16 00-0242	EA		160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503).....	215.01	51.04
23 34 16 00-0243	EA		270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502).....	271.11	51.04
23 34 16 00-0244			Light Duty Exhaust Fans With Lights (23 34 16 00-0236)		
23 34 16 00-0245	EA		50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678).....	157.87	51.04
23 34 16 00-0246	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679).....	170.20	51.04
23 34 16 00-0247	EA		100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680).....	278.64	51.04
23 34 16 00-0248			Light Duty Exhaust Fans With Heaters (23 34 16 00-0236)		
23 34 16 00-0249	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162).....	160.55	51.04
23 34 16 00-0250	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658).....	228.16	51.04
23 34 16 00-0251			Light Duty Exhaust Fans With Heaters And Lights (23 34 16 00-0236)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 34 16 00-0252	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655)	239.88		51.04
23 34 16 00-0253	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL)	340.52		51.04
23 34 16 00-0254		Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0235)			
23 34 16 00-0255		Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0254)			
Note: Includes enamel steel or aluminum grille.					
23 34 16 00-0256	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50)	179.16		51.04
23 34 16 00-0257	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80)	193.30		51.04
23 34 16 00-0258	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	315.61		51.04
23 34 16 00-0259	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	322.16		51.04
23 34 16 00-0260	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG)	342.54		51.04
23 34 16 00-0261	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG)	355.57		51.04
23 34 16 00-0262	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	360.61		51.04
23 34 16 00-0263	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	406.11		51.04
23 34 16 00-0264	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	456.30		51.04
23 34 16 00-0265	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	484.89		51.04
23 34 16 00-0266	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	568.40		51.04
23 34 16 00-0267	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	717.16		51.04
23 34 16 00-0268		Heavy Duty/Continuous Operation Kitchen Exhaust Fans (23 34 16 00-0254)			
Note: Includes enamel steel or aluminum grille.					
23 34 16 00-0269	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	325.97		51.04
23 34 16 00-0270	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	452.55		51.04
23 34 16 00-0271	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	475.99		51.04
23 34 16 00-0272		Heavy Duty/Continuous Operation Exhaust Fans With Lights (23 34 16 00-0254)			
23 34 16 00-0273	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	190.74		51.04
23 34 16 00-0274	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	204.01		51.04
23 34 16 00-0275		Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0254)			
23 34 16 00-0276	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	196.56		51.04
23 34 16 00-0277	EA	80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	205.35		51.04
23 34 16 00-0278	EA	110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	209.59		51.04
23 34 16 00-0279		Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans (23 34 16 00-0235)			
23 34 16 00-0280	EA	900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	767.19		51.04
23 34 16 00-0281	EA	1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	767.19		51.04
23 34 16 00-0282	EA	1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	767.19		51.04
23 34 16 00-0283	EA	1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	837.44		51.04
23 34 16 00-0284		Room-To-Room Exhaust Fans (23 34 16 00-0235)			
23 34 16 00-0285	EA	90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	154.55		51.04
23 34 16 00-0286	EA	180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	226.32		51.04
23 34 16 00-0287	EA	380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	252.47		51.04
23 34 16 00-0288		Through-Wall Exhaust Fans (23 34 16 00-0235)			
23 34 16 00-0289	EA	250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	238.80		51.04
23 34 16 00-0290	EA	470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	274.84		51.04
23 34 16 00-0291	EA	180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	214.01		51.04
23 34 16 00-0292	EA	270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	271.11		51.04
23 34 16 00-0293	EA	360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	440.14		51.04
23 34 16 00-0294		Exhaust Fan Accessories (23 34 16 00-0235)			
23 34 16 00-0295		Exhaust Fan Controls (23 34 16 00-0294)			
23 34 16 00-0296	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	134.64		31.90

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

23 34 16 00-0297	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59).....		102.76	31.90
23 34 16 00-0298	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)		103.52	31.90

23 34 16 00-0299 Roof And Wall Caps For Exhaust Fans (23 34 16 00-0299)

23 34 16 00-0300 Wall Caps For Exhaust Fans (23 34 16 00-0299)

23 34 16 00-0301	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613).....		214.13	57.83
23 34 16 00-0302	EA	Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643).....		216.64	57.83

23 34 16 00-0303 Roof Caps For Exhaust Fans (23 34 16 00-0299)

Note: Includes flashing and built in bird screen.

23 34 16 00-0304	EA	Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611).....		188.23	57.83
23 34 16 00-0305	EA	Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)		253.41	57.83
23 34 16 00-0306	EA	CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)		138.13	57.83
23 34 16 00-0307	EA	CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)		157.68	57.83

23 34 16 00-0308 Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan (23 34 16 00-0235)

Note: Includes storage and cleaning.

23 34 16 00-0309	EA	Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan		79.85	
------------------	----	--	--	-------	--

23 34 23 HVAC Power Ventilators (23 34)

23 34 23 00-0001 Power Roof Ventilators (23 34 23)

23 34 23 00-0002 Direct Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)

Note: Greenheck G.

23 34 23 00-0003	EA	1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster		577.84	152.25
------------------	----	--	--	--------	--------

Note: Three speed motor.

<i>For 12" Roof Curb, Add</i>	165.22	
<i>For Backdraft Damper, Add</i>	78.26	
<i>For Solid State Speed Control, Add</i>	81.36	
<i>For Damper Motor, Add</i>	129.88	

23 34 23 00-0004	EA	1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster		655.32	172.47
------------------	----	---	--	--------	--------

Note: Three speed motor.

<i>For 12" Roof Curb, Add</i>	165.22	
<i>For Backdraft Damper, Add</i>	78.26	
<i>For Solid State Speed Control, Add</i>	81.36	
<i>For Damper Motor, Add</i>	129.88	

23 34 23 00-0005	EA	1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster		916.06	201.22
------------------	----	---	--	--------	--------

<i>For 12" Roof Curb, Add</i>	168.75	
<i>For Backdraft Damper, Add</i>	85.58	
<i>For Solid State Speed Control, Add</i>	81.36	
<i>For Damper Motor, Add</i>	129.88	

23 34 23 00-0006	EA	1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster		975.11	226.78
------------------	----	---	--	--------	--------

<i>For 12" Roof Curb, Add</i>	168.75	
<i>For Backdraft Damper, Add</i>	85.58	
<i>For Solid State Speed Control, Add</i>	81.36	
<i>For Damper Motor, Add</i>	129.88	

23 34 23 00-0007	EA	1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster		1,209.59	250.20
------------------	----	---	--	----------	--------

<i>For Solid State Speed Control, Add</i>	81.36	
<i>For Damper Motor, Add</i>	129.88	

23 34 23 00-0008	EA	1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster		1,341.55	266.16
------------------	----	---	--	----------	--------

<i>For 12" Roof Curb, Add</i>	174.62	
<i>For Backdraft Damper, Add</i>	96.91	
<i>For Solid State Speed Control, Add</i>	117.78	
<i>For Damper Motor, Add</i>	129.88	

23 34 23 00-0009 Belt Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)

Note: Greenheck GB.

23 34 23 00-0010	EA	1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....		1,220.12	226.78
------------------	----	--	--	----------	--------

<i>For 12" Roof Curb, Add</i>	168.75	
<i>For Backdraft Damper, Add</i>	85.58	
<i>For Damper Motor, Add</i>	129.88	

23 34 23 00-0011	EA	1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....		1,327.96	288.53
------------------	----	--	--	----------	--------

<i>For 12" Roof Curb, Add</i>	174.62	
<i>For Backdraft Damper, Add</i>	96.91	
<i>For Damper Motor, Add</i>	129.88	

23 34 23 00-0012	EA	1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....		1,782.43	343.89
------------------	----	--	--	----------	--------

<i>For 12" Roof Curb, Add</i>	174.62	
<i>For Backdraft Damper, Add</i>	96.91	
<i>For Damper Motor, Add</i>	129.88	

23 34 23 00-0013	EA	3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....		2,269.43	425.87
------------------	----	--	--	----------	--------

<i>For 12" Roof Curb, Add</i>	202.82	
<i>For Backdraft Damper, Add</i>	117.23	
<i>For Damper Motor, Add</i>	129.88	

23 34 23 00-0014	EA	1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....		2,983.61	532.33
------------------	----	--	--	----------	--------

<i>For 12" Roof Curb, Add</i>	215.75	
<i>For Backdraft Damper, Add</i>	127.56	
<i>For Damper Motor, Add</i>	129.88	

23 34 23 00-0015	EA	1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....		3,823.01	665.42
------------------	----	--	--	----------	--------

<i>For 12" Roof Curb, Add</i>	235.72	
<i>For Backdraft Damper, Add</i>	140.88	
<i>For Damper Motor, Add</i>	129.88	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 34 23 00-0016	EA 2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	3,851.21 235.72 140.88 129.88	665.42
23 34 23 00-0017	EA 3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	4,155.53 235.72 140.88 129.88	665.42
23 34 23 00-0018	EA 5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	4,272.06 235.72 140.88 129.88	665.42
23 34 23 00-0019	Propeller Exhaust Fans, Roof Mounted Upblast (23 34 23 00-0001) Note: Includes back draft damper and birdscreen and curb.		
23 34 23 00-0020	EA 30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	5,352.52	818.73
23 34 23 00-0021	EA 36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	8,573.05	1,064.34
23 34 23 00-0022	Belt Drive Supply Fans (23 34 23 00-0001)		
23 34 23 00-0023	EA 4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	2,187.58	425.12
23 34 23 00-0024	EA 10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	2,926.28	532.22
23 34 23 00-0025	Fan Thermostat (23 34 23 00-0001)		
23 34 23 00-0026	EA 50 To 120 Degree Line Voltage Fan Thermostat.....	110.79	
23 34 23 00-0027	Power Wall Ventilators (23 34 23)		
23 34 23 00-0028	Centrifugal Sidewall Exhausters (23 34 23 00-0027)		
23 34 23 00-0029	Direct Drive, Aluminum, Centrifugal Sidewall Exhauster (23 34 23 00-0028) Note: Greenheck CW.		
23 34 23 00-0030	EA 1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	700.48 117.78 93.62 200.23 81.15	171.41
23 34 23 00-0031	EA 1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	805.32 117.78 104.94 200.23 96.31	201.22
23 34 23 00-0032	EA 1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,175.27 117.78 119.26 200.23 111.48	226.78
23 34 23 00-0033	Belt Drive, Aluminum, Centrifugal Sidewall Exhausters (23 34 23 00-0028) Note: Greenheck CWB.		
23 34 23 00-0034	EA 1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,543.34 117.78 115.17 200.23 167.76	128.36
23 34 23 00-0035	EA 1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,636.82 117.78 115.17 200.23 167.76	144.55
23 34 23 00-0036	EA 3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,001.59 117.78 141.23 200.23 194.69	165.36
23 34 33	Air Curtains (23 34)		
23 34 33 00-0001	Unheated Air Curtains For Entrances (23 34 33)		
23 34 33 00-0002	Unheated Air Curtains, Standard Velocity (23 34 33 00-0001)		
23 34 33 00-0003	EA Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i> <i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i> <i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	1,915.08 111.41 303.28 225.29 346.60 104.57 209.14 250.96 264.91	780.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0004	EA		Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10 For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	1,936.61 111.41 303.28 225.29 346.60 104.57 209.14 250.96 264.91	780.40
23 34 33 00-0005	EA		Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10 For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	1,959.94 111.41 303.28 225.29 346.60 104.57 209.14 250.96 264.91	780.40
23 34 33 00-0006	EA		Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10 For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,345.73 111.41 303.28 225.29 346.60 104.57 209.14 250.96 264.91	780.40
23 34 33 00-0007	EA		Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10 For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,686.40 111.41 303.28 225.29 346.60 104.57 209.14 250.96 264.91	936.91
23 34 33 00-0008	EA		Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10 For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,820.98 111.41 303.28 225.29 346.60 104.57 209.14 250.96 264.91	936.91
23 34 33 00-0009	EA		Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10 For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,147.03 111.41 303.28 225.29 346.60 104.57 209.14 250.96 264.91	1,080.64
23 34 33 00-0010	EA		Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10 For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,684.45 111.41 303.28 225.29 346.60 104.57 209.14 250.96 264.91	1,080.64
23 34 33 00-0011	EA		Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10 For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,752.64 111.41 303.28 225.29 346.60 104.57 209.14 250.96 264.91	1,080.64
23 34 33 00-0012	EA		Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10 For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,933.87 111.41 303.28 225.29 346.60 104.57 209.14 250.96 264.91	1,080.64

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 34 33 00-0013		Unheated Air Curtains, High Velocity (23 34 33 00-0001)			
23 34 33 00-0014	EA	High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated	2,272.16		780.40
		Note: Includes housing, mounting brackets and manual controls.			
		For Door Limit Switch, Combination Roller And Plunger, Add	111.41		
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	209.14		
		For Flat Side Extension Plates, Add	104.57		
		For Clearance Adjustable-Angle Mounting Bracket, Add	209.14		
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	250.96		
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	264.91		
23 34 33 00-0015	EA	High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated	2,299.97		780.40
		Note: Includes housing, mounting brackets and manual controls.			
		For Door Limit Switch, Combination Roller And Plunger, Add	111.41		
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	209.14		
		For Flat Side Extension Plates, Add	104.57		
		For Clearance Adjustable-Angle Mounting Bracket, Add	209.14		
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	250.96		
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	264.91		
23 34 33 00-0016	EA	High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated	2,311.64		780.40
		Note: Includes housing, mounting brackets and manual controls.			
		For Door Limit Switch, Combination Roller And Plunger, Add	111.41		
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	209.14		
		For Flat Side Extension Plates, Add	104.57		
		For Clearance Adjustable-Angle Mounting Bracket, Add	209.14		
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	250.96		
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	264.91		
23 34 33 00-0017	EA	High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated	2,334.07		780.40
		Note: Includes housing, mounting brackets and manual controls.			
		For Door Limit Switch, Combination Roller And Plunger, Add	111.41		
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	209.14		
		For Flat Side Extension Plates, Add	104.57		
		For Clearance Adjustable-Angle Mounting Bracket, Add	209.14		
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	250.96		
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	264.91		
23 34 33 00-0018	EA	High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated	3,504.64		936.91
		Note: Includes housing, mounting brackets and manual controls.			
		For Door Limit Switch, Combination Roller And Plunger, Add	111.41		
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	209.14		
		For Flat Side Extension Plates, Add	104.57		
		For Clearance Adjustable-Angle Mounting Bracket, Add	209.14		
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	250.96		
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	264.91		
23 34 33 00-0019	EA	High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated	3,642.81		936.91
		Note: Includes housing, mounting brackets and manual controls.			
		For Door Limit Switch, Combination Roller And Plunger, Add	111.41		
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	209.14		
		For Flat Side Extension Plates, Add	104.57		
		For Clearance Adjustable-Angle Mounting Bracket, Add	209.14		
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	250.96		
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	264.91		
23 34 33 00-0020	EA	High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated	3,917.73		1,080.64
		Note: Includes housing, mounting brackets and manual controls.			
		For Door Limit Switch, Combination Roller And Plunger, Add	111.41		
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	209.14		
		For Flat Side Extension Plates, Add	104.57		
		For Clearance Adjustable-Angle Mounting Bracket, Add	209.14		
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	250.96		
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	264.91		
23 34 33 00-0021	EA	High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated	4,395.93		1,080.64
		Note: Includes housing, mounting brackets and manual controls.			
		For Door Limit Switch, Combination Roller And Plunger, Add	111.41		
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	209.14		
		For Flat Side Extension Plates, Add	104.57		
		For Clearance Adjustable-Angle Mounting Bracket, Add	209.14		
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	250.96		
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	264.91		
23 34 33 00-0022	EA	High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated	4,446.18		1,080.64
		Note: Includes housing, mounting brackets and manual controls.			
		For Door Limit Switch, Combination Roller And Plunger, Add	111.41		
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	209.14		
		For Flat Side Extension Plates, Add	104.57		
		For Clearance Adjustable-Angle Mounting Bracket, Add	209.14		
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	250.96		
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	264.91		
23 34 33 00-0023	EA	High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated	4,641.77		1,080.64
		Note: Includes housing, mounting brackets and manual controls.			
		For Door Limit Switch, Combination Roller And Plunger, Add	111.41		
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	209.14		
		For Flat Side Extension Plates, Add	104.57		
		For Clearance Adjustable-Angle Mounting Bracket, Add	209.14		
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	250.96		
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	264.91		
23 34 33 00-0024		Service Window Unheated Air Curtains (23 34 33 00-0001)			
		Note: Normal window sizes.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0025	EA		Air Curtain For 2.5' x 5' Service Window, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	1,588.25 111.41 104.57 209.14 250.96 264.91	615.38
23 34 33 00-0026			Heated Air Curtains For Entrances <small>(23 34 33)</small> Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027	EA		60" Heated Air Curtain With 1- 300 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,524.56 111.41 104.57 209.14 250.96 264.91	687.24
23 34 33 00-0028	EA		60" Heated Air Curtain With 1- 400 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,811.19 111.41 104.57 209.14 250.96 264.91	687.24
23 34 33 00-0029	EA		72" Heated Air Curtain With 1- 350 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,228.78 111.41 104.57 209.14 250.96 264.91	824.58
23 34 33 00-0030	EA		72" Heated Air Curtain With 2- 250 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,572.74 111.41 104.57 209.14 250.96 264.91	824.58
23 34 33 00-0031	EA		96" Heated Air Curtain With 1- 400 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,637.46 111.41 104.57 209.14 250.96 264.91	1,099.27
23 34 33 00-0032	EA		96" Heated Air Curtain With 2- 350 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,096.07 111.41 104.57 209.14 250.96 264.91	1,099.27
23 34 33 00-0033	EA		117" Heated Air Curtain With 2- 300 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,869.70 111.41 104.57 209.14 250.96 264.91	1,339.35
23 34 33 00-0034	EA		117" Heated Air Curtain With 2- 400 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	7,428.63 111.41 104.57 209.14 250.96 264.91	1,339.35
23 34 33 00-0035	EA		147" Heated Air Curtain With 2- 350 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	8,631.76 111.41 104.57 209.14 250.96 264.91	1,682.71
23 34 33 00-0036	EA		147" Heated Air Curtain With 3- 350 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	10,021.92 111.41 104.57 209.14 250.96 264.91	1,682.71
23 34 33 00-0037	EA		168" Heated Air Curtain With 2- 400 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	9,865.55 111.41 104.57 209.14 250.96 264.91	1,923.31
23 34 33 00-0038	EA		168" Heated Air Curtain With 3- 400 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	11,453.96 111.41 104.57 209.14 250.96 264.91	1,923.31
23 34 33 00-0039	EA		192" Heated Air Curtain With 2- 400 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	11,271.30 111.41 104.57 209.14 250.96 264.91	2,198.00

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 34 33 00-0040	EA	192" Heated Air Curtain With 4- 350 MBH Heaters	13,086.63	2,198.00
		<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	111.41	
		<i>For Flat Side Extension Plates, Add</i>	104.57	
		<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	209.14	
		<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	250.96	
		<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	264.91	

23 35 Special Exhaust Systems (23 30)

See CSI section 23 31 13 16-0063 for spiral duct/piping.

23 35 16 Engine Exhaust Systems (23 35)**23 35 16 16 Mechanical Engine Exhaust Systems** (23 35 16)

23 35 16 16-0001		Tailpipe Exhaust Equipment (23 35 16 16)		
23 35 16 16-0002		Overhead Tailpipe Exhaust System (23 35 16 16-0001)		
23 35 16 16-0003		Overhead Tailpipe Exhaust Blowers (23 35 16 16-0002)		
23 35 16 16-0004		Overhead Direct Drive Tailpipe Exhaust Blowers (23 35 16 16-0003)		
23 35 16 16-0005	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,246.28	226.78
23 35 16 16-0006	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,751.18	463.13
23 35 16 16-0007	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,765.80	561.08
23 35 16 16-0008		Overhead Belt Drive Tailpipe Exhaust Blowers (23 35 16 16-0003)		
23 35 16 16-0009	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	2,684.60	463.13
23 35 16 16-0010	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	2,910.60	561.08
23 35 16 16-0011	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	3,647.40	887.93
23 35 16 16-0012	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	4,507.85	1,145.58
23 35 16 16-0013	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	5,635.66	1,364.89

23 35 16 16-0014 Spiral Exhaust Duct Accessories (23 35 16 16-0002)**23 35 16 16-0015 Flex Hose x Length** (23 35 16 16-0014)

Note: Includes duct coupler, damper and tailpipe adapter.

23 35 16 16-0016	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	146.06	56.42
23 35 16 16-0017	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	130.54	56.42
23 35 16 16-0018	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	225.99	89.43
23 35 16 16-0019	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	200.05	89.43
23 35 16 16-0020	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	331.67	141.60
23 35 16 16-0021	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	322.38	141.60
23 35 16 16-0022	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	512.60	224.64
23 35 16 16-0023	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	493.07	224.64

23 35 16 16-0024 Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter (23 35 16 16-0014)

23 35 16 16-0025	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	158.44	56.42
23 35 16 16-0026	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	235.02	89.43
23 35 16 16-0027	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	140.56	56.42
23 35 16 16-0028	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	208.50	89.43
23 35 16 16-0029	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	991.08	76.02
23 35 16 16-0030	EA	8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	917.27	139.47
23 35 16 16-0031	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,001.34	139.47
23 35 16 16-0032	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	49.98	10.86
23 35 16 16-0033	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	55.14	10.86

23 35 16 16-0034 Flexible Hose (23 35 16 16-0014)

23 35 16 16-0035	LF	3" Stainless Steel Flexible Tubing.....	26.33	2.66
23 35 16 16-0036	LF	4" Stainless Steel Flexible Tubing.....	33.20	2.99
23 35 16 16-0037	LF	5" Stainless Steel Flexible Tubing.....	39.20	3.09
23 35 16 16-0038	LF	6" Stainless Steel Flexible Tubing.....	46.02	3.30
23 35 16 16-0039	LF	3" Galvanized Flexible Tubing	14.65	2.66
23 35 16 16-0040	LF	4" Galvanized Flexible Tubing	17.05	2.99
23 35 16 16-0041	LF	5" Galvanized Flexible Tubing	19.33	3.09
23 35 16 16-0042	LF	6" Galvanized Flexible Tubing	21.43	3.30

23 35 16 16-0043 Accessories (23 35 16 16-0002)

23 35 16 16-0044	EA	3" Tail Pipe Adapter	41.63	7.98
23 35 16 16-0045	EA	4" Tail Pipe Adapter	42.66	7.98
23 35 16 16-0046	EA	5" Tail Pipe Adapter	45.80	9.05
23 35 16 16-0047	EA	3" Bullnose (Guide).....	23.76	5.33
23 35 16 16-0048	EA	4" Bullnose (Guide).....	25.39	5.85
23 35 16 16-0049	EA	5" Bullnose (Guide).....	27.21	6.38
23 35 16 16-0050	EA	Flex-Hose Winch And Associated Hardware	189.78	60.37
23 35 16 16-0051	LF	Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.09	

23 35 19 Fume Exhaust (23 35)

23 35 19 00-0001	EA	Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle	1,785.83	425.54
23 35 19 00-0002	EA	Hose Extension Kit 5'	347.64	94.54

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

23 36 Air Terminal Units (23 30)

23 36 13 Constant-Air-Volume Units (23 36)

23 36 13 00-0001 Vertical Units, With Electric Heating Coils (23 36 13)

23 36 13 00-0002	EA	60 CFM Vertical Induction Unit, With Electric Heating Coils	1,197.13	169.87
23 36 13 00-0003	EA	90 CFM Vertical Induction Unit, With Electric Heating Coils	1,421.17	182.94
23 36 13 00-0004	EA	120 CFM Vertical Induction Unit, With Electric Heating Coils	1,511.14	189.47
23 36 13 00-0005	EA	150 CFM Vertical Induction Unit, With Electric Heating Coils	1,614.18	202.54
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils	1,803.68	209.08

23 36 13 00-0007 Horizontal Units, With Electric Heating Coils (23 36 13)

23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils	1,038.89	169.87
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils	1,223.27	182.94
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils	1,436.97	192.75

23 36 13 00-0011 Duct Boxes, Constant Volume Control (23 36 13)

23 36 13 00-0012 Single Duct Boxes, Constant Volume Control (23 36 13 00-0011)

23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	555.06	43.95
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	612.53	47.42
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	643.96	52.04
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	658.90	54.35
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	681.33	60.13
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	777.04	67.07
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	827.15	75.16
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	903.31	90.20
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	979.31	104.08
		<i>For Boxes With Motor, Add</i>	20.00	

23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control (23 36 13 00-0011)

23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	734.57	43.95
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	788.23	47.42
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	829.64	52.04
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	864.36	54.35
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0027	EA	12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	886.79	60.13
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	1,016.12	68.23
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	1,114.76	75.16
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	1,223.04	90.20
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	1,304.14	104.08
		<i>For Boxes With Motor, Add</i>	20.00	

23 36 16 Variable-Air-Volume Units (23 36)

23 36 16 00-0001 Variable Volume Terminal Unit (23 36 16)

Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.

23 36 16 00-0002 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)

Note: Enclosure only. For mounting DDC controls.

23 36 16 00-0003	EA	6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	476.90	53.19
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0004	EA	8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	534.57	60.13
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0005	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	596.00	67.07
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	639.13	75.16
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0007	EA	14" Diameter Inlet, 450 - 3,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	878.04	161.78
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0008	EA	16" Diameter Inlet, 580 - 4,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	1,081.26	191.96
		<i>For Filters And Frames, Add</i>	6.30	

23 36 16 00-0009 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)

Note: With pneumatic controls.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 36 Air Terminal Units**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 36 16 00-0010	EA 6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	944.51	53.19
	<i>For Fan Powered Variable Air Volume Box, Add</i>	955.02	
	<i>For Hot Water Coils, Add</i>	40.55	
	<i>For Pressure Independent Actuator, Add</i>	67.57	
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0011	EA 8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	1,024.13	60.13
	<i>For Fan Powered Variable Air Volume Box, Add</i>	1,023.43	
	<i>For Hot Water Coils, Add</i>	40.55	
	<i>For Pressure Independent Actuator, Add</i>	67.57	
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0012	EA 10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	1,077.12	67.07
	<i>For Fan Powered Variable Air Volume Box, Add</i>	1,056.35	
	<i>For Hot Water Coils, Add</i>	40.55	
	<i>For Pressure Independent Actuator, Add</i>	67.57	
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0013	EA 12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	1,128.69	75.16
	<i>For Fan Powered Variable Air Volume Box, Add</i>	1,087.20	
	<i>For Hot Water Coils, Add</i>	40.55	
	<i>For Pressure Independent Actuator, Add</i>	67.57	
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0014	EA 14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller.....	1,322.02	161.78
	<i>For Fan Powered Variable Air Volume Box, Add</i>	1,222.80	
	<i>For Hot Water Coils, Add</i>	40.55	
	<i>For Pressure Independent Actuator, Add</i>	67.57	
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0015	EA 16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller.....	1,562.38	191.96
	<i>For Fan Powered Variable Air Volume Box, Add</i>	1,332.28	
	<i>For Hot Water Coils, Add</i>	40.55	
	<i>For Pressure Independent Actuator, Add</i>	67.57	
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0016	Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
	Note: With analog electronic controls.		
23 36 16 00-0017	EA 6" Diameter Inlet, 60 - 500 CFM, Variable Air Volume Box With analog electronic controls	1,526.92	53.19
	<i>For Hot Water Coils, Add</i>	40.55	
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0018	EA 8" Diameter Inlet, 105 - 900 CFM, Variable Air Volume Box With analog electronic controls	1,593.04	60.13
	<i>For Hot Water Coils, Add</i>	40.55	
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0019	EA 10" Diameter Inlet, 165 - 1,400 CFM, Variable Air Volume Box With analog electronic controls	1,654.46	67.07
	<i>For Hot Water Coils, Add</i>	40.55	
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0020	EA 12" Diameter Inlet, 235 - 2,000 CFM, Variable Air Volume Box With analog electronic controls	1,738.10	75.16
	<i>For Hot Water Coils, Add</i>	40.55	
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0021	EA 14" Diameter Inlet, 320 - 3,000 CFM, Variable Air Volume Box With analog electronic controls	1,933.13	161.78
	<i>For Hot Water Coils, Add</i>	40.55	
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0022	EA 16" Diameter Inlet, 420 - 4,000 CFM, Variable Air Volume Box With analog electronic controls	1,966.89	161.78
	<i>For Hot Water Coils, Add</i>	40.55	
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0023	Dual Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
	Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024	EA 6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	1,062.76	105.12
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0025	EA 8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	1,164.41	119.68
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0026	EA 10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	1,249.90	135.18
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0027	EA 12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	1,371.94	150.80
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0028	EA 14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	1,544.17	173.46
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0029	EA 16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	1,704.25	208.15
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0030	Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-		
	M) <small>(23 36 16 00-0001)</small>		
23 36 16 00-0031	EA 0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	457.74	72.28
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0032	EA 0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	498.45	79.50
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0033	EA 0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	539.99	86.73
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0034	EA 0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	582.41	93.96
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0035	EA 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	625.79	101.18
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0036	EA 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	670.17	108.41
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0037	EA 0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	718.42	115.64
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0038	EA 0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	765.24	122.87
	<i>For Filters And Frames, Add</i>	6.30	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0039 EA 0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J).....	813.32	130.10
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0040 EA 0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K).....	862.72	137.32
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0041 EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	913.59	144.55
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0042 EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	965.97	151.77
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0043 EA 0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N).....	1,019.99	159.01
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0044 EA 0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P).....	1,071.98	166.23
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0045 EA 0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R).....	1,129.38	173.46
<i>For Filters And Frames, Add</i>	6.30	

23 37 Air Outlets And Inlets (23 30)

23 37 13 Diffusers, Registers, And Grilles (23 37)

23 37 13 00-0001 Wall And Floor Diffusers (23 37 13)

23 37 13 00-0002 Slot Type Linear Diffusers (23 37 13 00-0001)

Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.

23 37 13 00-0003 LF 1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	40.98	5.78
<i>For 3/4" Border, Add</i>	4.17	
<i>For Floor Mounted Diffusers, Add</i>	5.01	
<i>For Stainless Steel, Add</i>	21.70	
23 37 13 00-0004 LF 2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	48.83	6.93
<i>For 3/4" Border, Add</i>	5.56	
<i>For Floor Mounted Diffusers, Add</i>	6.68	
<i>For Stainless Steel, Add</i>	28.93	
23 37 13 00-0005 LF 3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	65.12	8.09
<i>For 3/4" Border, Add</i>	8.76	
<i>For Floor Mounted Diffusers, Add</i>	10.51	
<i>For Stainless Steel, Add</i>	45.55	
23 37 13 00-0006 LF 4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	83.58	8.09
<i>For 3/4" Border, Add</i>	12.52	
<i>For Floor Mounted Diffusers, Add</i>	15.02	
<i>For Stainless Steel, Add</i>	65.08	
23 37 13 00-0007 LF 5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling.....	103.26	9.26
<i>For 3/4" Border, Add</i>	16.27	
<i>For Floor Mounted Diffusers, Add</i>	19.52	
<i>For Stainless Steel, Add</i>	84.59	
23 37 13 00-0008 LF 6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling.....	120.67	11.57
<i>For 3/4" Border, Add</i>	19.19	
<i>For Floor Mounted Diffusers, Add</i>	23.03	
<i>For Stainless Steel, Add</i>	99.78	

23 37 13 00-0009 Linear Bar Grilles And Registers (23 37 13 00-0001)

Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.

23 37 13 00-0010 LF 2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	107.23	6.93
<i>For Floor Mount, Add</i>	8.07	
<i>For Opposed Blade Damper, Add</i>	16.13	
<i>For Stainless Steel, Add</i>	104.85	
23 37 13 00-0011 LF 3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	127.41	8.09
<i>For Floor Mount, Add</i>	9.73	
<i>For Opposed Blade Damper, Add</i>	19.47	
<i>For Stainless Steel, Add</i>	126.53	
23 37 13 00-0012 LF 4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	139.19	8.09
<i>For Floor Mount, Add</i>	10.57	
<i>For Opposed Blade Damper, Add</i>	21.13	
<i>For Stainless Steel, Add</i>	137.37	
23 37 13 00-0013 LF 6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	171.84	11.57
<i>For Floor Mount, Add</i>	12.79	
<i>For Opposed Blade Damper, Add</i>	25.58	
<i>For Stainless Steel, Add</i>	166.30	
23 37 13 00-0014 LF 9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	236.94	15.03
<i>For Floor Mount, Add</i>	17.80	
<i>For Opposed Blade Damper, Add</i>	35.60	
<i>For Stainless Steel, Add</i>	231.37	
23 37 13 00-0015 LF 12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	274.79	17.35
<i>For Floor Mount, Add</i>	20.30	
<i>For Opposed Blade Damper, Add</i>	40.60	
<i>For Stainless Steel, Add</i>	263.91	

23 37 13 00-0016 Ceiling Diffusers (23 37 13)

23 37 13 00-0017 Ceiling Diffusers With Perforated Face (23 37 13 00-0016)

Note: Flush mount, aluminum construction, includes damper.

23 37 13 00-0018 EA 6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	91.95	15.03
<i>For Steel Construction, Deduct</i>	-4.87	
<i>For Surface Mount, Deduct</i>	-3.90	
<i>For Diffuser Without Damper, Deduct</i>	-6.50	
<i>For Stainless Steel, Add</i>	81.20	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 37 13 00-0019	EA	8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	99.17	15.03
		<i>For Steel Construction, Deduct</i>	-5.96	
		<i>For Surface Mount, Deduct</i>	-4.76	
		<i>For Diffuser Without Damper, Deduct</i>	-7.94	
		<i>For Stainless Steel, Add</i>	99.25	
23 37 13 00-0020	EA	9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	99.17	15.03
		<i>For Steel Construction, Deduct</i>	-5.96	
		<i>For Surface Mount, Deduct</i>	-4.76	
		<i>For Diffuser Without Damper, Deduct</i>	-7.94	
		<i>For Stainless Steel, Add</i>	99.25	
23 37 13 00-0021	EA	10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	119.30	18.50
		<i>For Steel Construction, Deduct</i>	-7.13	
		<i>For Surface Mount, Deduct</i>	-5.70	
		<i>For Diffuser Without Damper, Deduct</i>	-9.50	
		<i>For Stainless Steel, Add</i>	118.80	
23 37 13 00-0022	EA	12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	119.30	17.35
		<i>For Steel Construction, Deduct</i>	-7.13	
		<i>For Surface Mount, Deduct</i>	-5.70	
		<i>For Diffuser Without Damper, Deduct</i>	-9.50	
		<i>For Stainless Steel, Add</i>	118.80	
23 37 13 00-0023	EA	16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	132.53	17.35
		<i>For Steel Construction, Deduct</i>	-9.11	
		<i>For Surface Mount, Deduct</i>	-7.29	
		<i>For Diffuser Without Damper, Deduct</i>	-12.15	
		<i>For Stainless Steel, Add</i>	151.88	
23 37 13 00-0024	EA	18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	155.43	23.12
		<i>For Steel Construction, Deduct</i>	-9.80	
		<i>For Surface Mount, Deduct</i>	-7.84	
		<i>For Diffuser Without Damper, Deduct</i>	-13.06	
		<i>For Stainless Steel, Add</i>	163.30	
23 37 13 00-0025	EA	20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	176.18	24.28
		<i>For Steel Construction, Deduct</i>	-12.23	
		<i>For Surface Mount, Deduct</i>	-9.79	
		<i>For Diffuser Without Damper, Deduct</i>	-16.31	
		<i>For Stainless Steel, Add</i>	203.90	
23 37 13 00-0026	EA	24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	200.85	27.76
		<i>For Steel Construction, Deduct</i>	-13.61	
		<i>For Surface Mount, Deduct</i>	-10.89	
		<i>For Lay-In Mount, Deduct</i>	-10.89	
		<i>For Diffuser Without Damper, Deduct</i>	-18.14	
		<i>For Stainless Steel, Add</i>	226.78	

23 37 13 00-0027 Ceiling Diffusers With Louver Face (23 37 13 00-0016)

Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.

23 37 13 00-0028	EA	6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	94.36	15.03
		<i>For Steel Construction, Deduct</i>	-5.23	
		<i>For Flush Mount, Add</i>	5.23	
		<i>For Stainless Steel, Add</i>	87.23	
23 37 13 00-0029	EA	8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	103.74	15.03
		<i>For Steel Construction, Deduct</i>	-6.64	
		<i>For Flush Mount, Add</i>	6.64	
		<i>For Stainless Steel, Add</i>	110.68	
23 37 13 00-0030	EA	9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	103.74	15.03
		<i>For Steel Construction, Deduct</i>	-6.64	
		<i>For Flush Mount, Add</i>	6.64	
		<i>For Stainless Steel, Add</i>	110.68	
23 37 13 00-0031	EA	10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	124.71	17.35
		<i>For Steel Construction, Deduct</i>	-7.94	
		<i>For Flush Mount, Add</i>	7.94	
		<i>For Stainless Steel, Add</i>	132.33	
23 37 13 00-0032	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	124.71	18.50
		<i>For Steel Construction, Deduct</i>	-7.94	
		<i>For Flush Mount, Add</i>	7.94	
		<i>For Stainless Steel, Add</i>	132.33	
23 37 13 00-0033	EA	24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	159.79	23.12
		<i>For Steel Construction, Deduct</i>	-10.39	
		<i>For Flush Mount, Add</i>	10.39	
		<i>For Stainless Steel, Add</i>	173.23	
23 37 13 00-0034	EA	14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	147.04	23.12
		<i>For Steel Construction, Deduct</i>	-8.48	
		<i>For Flush Mount, Add</i>	8.48	
		<i>For Stainless Steel, Add</i>	141.35	
23 37 13 00-0035	EA	18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	182.09	27.76
		<i>For Steel Construction, Deduct</i>	-10.88	
		<i>For Flush Mount, Add</i>	10.88	
		<i>For Stainless Steel, Add</i>	181.35	
23 37 13 00-0036	EA	21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	205.74	31.22
		<i>For Steel Construction, Deduct</i>	-13.53	
		<i>For Flush Mount, Add</i>	13.53	
		<i>For Stainless Steel, Add</i>	225.58	

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

23 37 13 00-0037	EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper.....	223.13	61.17
		<i>For Steel Construction, Deduct</i>	-15.10	
		<i>For Flush Mount, Add</i>	15.10	
		<i>For Lay-In Mount, Add</i>	20.14	
		<i>For Stainless Steel, Add</i>	251.73	

23 37 13 00-0038 Round Ceiling Diffusers With Fixed Pattern (23 37 13 00-0016)
 Note: Aluminum construction.

23 37 13 00-0039	EA	6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	137.56	15.03
		<i>For Steel Construction, Deduct</i>	-23.43	
		<i>For Stainless Steel, Add</i>	195.23	
23 37 13 00-0040	EA	8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	141.56	15.03
		<i>For Steel Construction, Deduct</i>	-24.63	
		<i>For Stainless Steel, Add</i>	205.23	
23 37 13 00-0041	EA	10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	161.88	18.50
		<i>For Steel Construction, Deduct</i>	-27.03	
		<i>For Stainless Steel, Add</i>	225.25	
23 37 13 00-0042	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	171.89	17.35
		<i>For Steel Construction, Deduct</i>	-30.03	
		<i>For Stainless Steel, Add</i>	250.28	
23 37 13 00-0043	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	237.43	20.81
		<i>For Steel Construction, Deduct</i>	-46.25	
		<i>For Stainless Steel, Add</i>	385.43	
23 37 13 00-0044	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	262.69	23.12
		<i>For Steel Construction, Deduct</i>	-51.66	
		<i>For Stainless Steel, Add</i>	430.48	
23 37 13 00-0045	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	299.29	23.12
		<i>For Steel Construction, Deduct</i>	-61.40	
		<i>For Stainless Steel, Add</i>	511.68	
23 37 13 00-0046	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	353.25	26.60
		<i>For Steel Construction, Deduct</i>	-74.75	
		<i>For Stainless Steel, Add</i>	622.93	
23 37 13 00-0047	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	394.31	27.76
		<i>For Steel Construction, Deduct</i>	-85.43	
		<i>For Stainless Steel, Add</i>	711.90	
23 37 13 00-0048	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	467.27	31.22
		<i>For Steel Construction, Deduct</i>	-103.45	
		<i>For Stainless Steel, Add</i>	862.08	

23 37 13 00-0049 Round Ceiling Diffusers With Adjustable Pattern Dropped Style (23 37 13 00-0016)
 Note: Aluminum construction.

23 37 13 00-0050	EA	6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	143.56	15.03
		<i>For Steel Construction, Deduct</i>	-8.41	
		<i>For Flush Mount, Deduct</i>	-4.20	
		<i>For Stainless Steel, Add</i>	210.23	
23 37 13 00-0051	EA	8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	153.91	15.03
		<i>For Steel Construction, Deduct</i>	-9.44	
		<i>For Flush Mount, Deduct</i>	-4.72	
		<i>For Stainless Steel, Add</i>	236.10	
23 37 13 00-0052	EA	10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	176.34	18.50
		<i>For Steel Construction, Deduct</i>	-10.46	
		<i>For Flush Mount, Deduct</i>	-5.23	
		<i>For Stainless Steel, Add</i>	261.40	
23 37 13 00-0053	EA	12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	187.91	18.50
		<i>For Steel Construction, Deduct</i>	-11.61	
		<i>For Flush Mount, Deduct</i>	-5.81	
		<i>For Stainless Steel, Add</i>	290.33	
23 37 13 00-0054	EA	14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	263.46	20.81
		<i>For Steel Construction, Deduct</i>	-18.02	
		<i>For Flush Mount, Deduct</i>	-9.01	
		<i>For Stainless Steel, Add</i>	450.50	
23 37 13 00-0055	EA	18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	295.40	23.12
		<i>For Steel Construction, Deduct</i>	-20.49	
		<i>For Flush Mount, Deduct</i>	-10.25	
		<i>For Stainless Steel, Add</i>	512.25	
23 37 13 00-0056	EA	20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	338.23	24.28
		<i>For Steel Construction, Deduct</i>	-24.36	
		<i>For Flush Mount, Deduct</i>	-12.18	
		<i>For Stainless Steel, Add</i>	609.03	
23 37 13 00-0057	EA	24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	380.84	26.60
		<i>For Steel Construction, Deduct</i>	-27.68	
		<i>For Flush Mount, Deduct</i>	-13.84	
		<i>For Stainless Steel, Add</i>	691.90	
23 37 13 00-0058	EA	28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	454.38	27.76
		<i>For Steel Construction, Deduct</i>	-34.48	
		<i>For Flush Mount, Deduct</i>	-17.24	
		<i>For Stainless Steel, Add</i>	862.08	
23 37 13 00-0059	EA	32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	543.14	31.22
		<i>For Steel Construction, Deduct</i>	-42.07	
		<i>For Flush Mount, Deduct</i>	-21.04	
		<i>For Stainless Steel, Add</i>	1,051.75	
23 37 13 00-0060	EA	36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	599.30	65.10
		<i>For Steel Construction, Deduct</i>	-42.07	
		<i>For Flush Mount, Deduct</i>	-21.04	
		<i>For Stainless Steel, Add</i>	1,173.00	

23 37 13 00-0061 Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 00-0016)

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0062	LF		4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection..... <i>For Stainless Steel, Add</i>	119.91 126.33	17.35
23 37 13 00-0063	LF		6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection..... <i>For Stainless Steel, Add</i>	126.78 143.50	17.35
23 37 13 00-0064	LF		9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection..... <i>For Stainless Steel, Add</i>	135.23 164.63	17.35
23 37 13 00-0065	LF		12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection..... <i>For Stainless Steel, Add</i>	143.46 185.20	17.35
23 37 13 00-0066 Return/Exhaust Registers And Grilles (23 37 13)					
23 37 13 00-0067 Return/Exhaust Registers With Frame (23 37 13 00-0066)					
Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.					
23 37 13 00-0068	EA		8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	80.66 -8.95 -17.91 35.00 4.48 8.95 111.93	9.26
23 37 13 00-0069	EA		8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	90.40 -10.90 -21.80 35.00 5.45 10.90 136.28	9.26
23 37 13 00-0070	EA		10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	101.98 -12.07 -24.14 35.00 6.04 12.07 150.88	10.41
23 37 13 00-0071	EA		10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	108.76 -12.07 -24.14 35.00 6.04 12.07 150.88	11.57
23 37 13 00-0072	EA		12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	104.86 -11.29 -22.58 35.00 5.65 11.29 141.13	11.57
23 37 13 00-0073	EA		12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	133.44 -14.79 -29.59 35.00 7.40 14.79 184.93	15.03
23 37 13 00-0074	EA		16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	160.10 -17.66 -35.33 35.00 8.83 17.66 220.80	17.35
23 37 13 00-0075	EA		18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	194.21 -22.19 -44.38 35.00 11.10 22.19 277.38	20.81
23 37 13 00-0076	EA		20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	224.87 -26.87 -53.75 35.00 13.44 26.87 335.93	23.12
23 37 13 00-0077	EA		24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	207.01 -22.48 -44.96 35.00 11.24 22.48 280.98	23.12
23 37 13 00-0078	EA		24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	230.88 -27.25 -54.50 35.00 13.63 27.25 340.65	23.12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0079	EA		24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	245.31	26.60
			<i>For Steel Construction, Deduct</i>	-28.25	
			<i>For Grilles (No Damper), Deduct</i>	-56.49	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	14.12	
			<i>For Cube Core Lay In, Add</i>	28.25	
			<i>For Stainless Steel, Add</i>	353.08	
23 37 13 00-0080	EA		30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	259.64	27.76
			<i>For Steel Construction, Deduct</i>	-30.02	
			<i>For Grilles (No Damper), Deduct</i>	-60.04	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	15.01	
			<i>For Cube Core Lay In, Add</i>	30.02	
			<i>For Stainless Steel, Add</i>	375.23	
23 37 13 00-0081	EA		30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	297.63	31.22
			<i>For Steel Construction, Deduct</i>	-35.04	
			<i>For Grilles (No Damper), Deduct</i>	-70.08	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	17.52	
			<i>For Cube Core Lay In, Add</i>	35.04	
			<i>For Stainless Steel, Add</i>	437.98	
23 37 13 00-0082	EA		30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	338.27	37.00
			<i>For Steel Construction, Deduct</i>	-37.92	
			<i>For Grilles (No Damper), Deduct</i>	-75.84	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	18.96	
			<i>For Cube Core Lay In, Add</i>	37.92	
			<i>For Stainless Steel, Add</i>	473.98	
23 37 13 00-0083	EA		30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	420.70	37.00
			<i>For Steel Construction, Deduct</i>	-54.40	
			<i>For Grilles (No Damper), Deduct</i>	-108.81	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	27.20	
			<i>For Cube Core Lay In, Add</i>	54.40	
			<i>For Stainless Steel, Add</i>	680.05	
23 37 13 00-0084	EA		36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	364.92	40.47
			<i>For Steel Construction, Deduct</i>	-40.96	
			<i>For Grilles (No Damper), Deduct</i>	-81.92	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	20.48	
			<i>For Cube Core Lay In, Add</i>	40.96	
			<i>For Stainless Steel, Add</i>	512.03	
23 37 13 00-0085	EA		36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	357.09	39.32
			<i>For Steel Construction, Deduct</i>	-39.40	
			<i>For Grilles (No Damper), Deduct</i>	-78.79	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	19.70	
			<i>For Cube Core Lay In, Add</i>	39.40	
			<i>For Stainless Steel, Add</i>	492.45	
23 37 13 00-0086	EA		36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	402.86	43.95
			<i>For Steel Construction, Deduct</i>	-45.88	
			<i>For Grilles (No Damper), Deduct</i>	-91.76	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	22.94	
			<i>For Cube Core Lay In, Add</i>	45.88	
			<i>For Stainless Steel, Add</i>	573.50	
23 37 13 00-0087	EA		36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	526.85	47.42
			<i>For Steel Construction, Deduct</i>	-67.52	
			<i>For Grilles (No Damper), Deduct</i>	-135.05	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	33.76	
			<i>For Cube Core Lay In, Add</i>	67.52	
			<i>For Stainless Steel, Add</i>	844.05	
23 37 13 00-0088	EA		24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	243.32	26.71
			<i>For Steel Construction, Deduct</i>	-27.32	
			<i>For Grilles (No Damper), Deduct</i>	-54.64	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	13.66	
			<i>For Cube Core Lay In, Add</i>	27.32	
			<i>For Stainless Steel, Add</i>	341.50	
23 37 13 00-0089	EA		32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	438.76	47.29
			<i>For Steel Construction, Deduct</i>	-49.91	
			<i>For Grilles (No Damper), Deduct</i>	-99.81	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	24.95	
			<i>For Cube Core Lay In, Add</i>	49.91	
			<i>For Stainless Steel, Add</i>	623.83	
23 37 13 00-0090	EA		48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	459.79	46.26
			<i>For Steel Construction, Deduct</i>	-57.27	
			<i>For Grilles (No Damper), Deduct</i>	-114.53	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	28.63	
			<i>For Cube Core Lay In, Add</i>	57.27	
			<i>For Stainless Steel, Add</i>	715.83	

23 37 13 00-0091 Return/Exhaust Registers Removable-Reversible (23 37 13 00-0066)

Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 37 13 00-0092	EA 8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	75.60	9.26
	For Steel Construction, Deduct	-3.97	
	For Flat Frame, Deduct	-0.40	
	For Grilles (No Damper), Deduct	-7.94	
	For Stainless Steel, Add	99.28	
23 37 13 00-0093	EA 8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	75.60	9.26
	For Steel Construction, Deduct	-3.97	
	For Flat Frame, Deduct	-0.40	
	For Grilles (No Damper), Deduct	-7.94	
	For Stainless Steel, Add	99.28	
23 37 13 00-0094	EA 10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	91.85	10.41
	For Steel Construction, Deduct	-5.02	
	For Flat Frame, Deduct	-0.50	
	For Grilles (No Damper), Deduct	-10.04	
	For Stainless Steel, Add	125.55	
23 37 13 00-0095	EA 10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	105.64	12.72
	For Steel Construction, Deduct	-5.72	
	For Flat Frame, Deduct	-0.57	
	For Grilles (No Damper), Deduct	-11.45	
	For Stainless Steel, Add	143.08	
23 37 13 00-0096	EA 12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	104.47	11.57
	For Steel Construction, Deduct	-5.61	
	For Flat Frame, Deduct	-0.56	
	For Grilles (No Damper), Deduct	-11.21	
	For Stainless Steel, Add	140.15	
23 37 13 00-0097	EA 12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	134.22	15.03
	For Steel Construction, Deduct	-7.48	
	For Flat Frame, Deduct	-0.75	
	For Grilles (No Damper), Deduct	-14.95	
	For Stainless Steel, Add	186.88	
23 37 13 00-0098	EA 16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	206.88	18.50
	For Steel Construction, Deduct	-13.51	
	For Flat Frame, Deduct	-1.35	
	For Grilles (No Damper), Deduct	-27.02	
	For Stainless Steel, Add	337.75	
23 37 13 00-0099	EA 18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	247.95	20.81
	For Steel Construction, Deduct	-16.47	
	For Flat Frame, Deduct	-1.65	
	For Grilles (No Damper), Deduct	-32.94	
	For Stainless Steel, Add	411.73	
23 37 13 00-0100	EA 20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	278.55	23.12
	For Steel Construction, Deduct	-18.81	
	For Flat Frame, Deduct	-1.88	
	For Grilles (No Damper), Deduct	-37.61	
	For Stainless Steel, Add	470.13	
23 37 13 00-0101	EA 24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	239.45	23.12
	For Steel Construction, Deduct	-14.48	
	For Flat Frame, Deduct	-1.45	
	For Grilles (No Damper), Deduct	-28.97	
	For Stainless Steel, Add	362.08	
23 37 13 00-0102	EA 24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	309.53	24.28
	For Steel Construction, Deduct	-21.49	
	For Flat Frame, Deduct	-2.15	
	For Grilles (No Damper), Deduct	-42.98	
	For Stainless Steel, Add	537.28	
23 37 13 00-0103	EA 24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	358.70	26.60
	For Steel Construction, Deduct	-25.46	
	For Flat Frame, Deduct	-2.55	
	For Grilles (No Damper), Deduct	-50.92	
	For Stainless Steel, Add	636.55	
23 37 13 00-0104	EA 30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	287.08	27.76
	For Steel Construction, Deduct	-17.75	
	For Flat Frame, Deduct	-1.78	
	For Grilles (No Damper), Deduct	-35.51	
	For Stainless Steel, Add	443.83	
23 37 13 00-0105	EA 30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	384.07	31.22
	For Steel Construction, Deduct	-26.16	
	For Flat Frame, Deduct	-2.62	
	For Grilles (No Damper), Deduct	-52.33	
	For Stainless Steel, Add	654.08	
23 37 13 00-0106	EA 30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	462.87	37.00
	For Steel Construction, Deduct	-31.42	
	For Flat Frame, Deduct	-3.14	
	For Grilles (No Damper), Deduct	-62.84	
	For Stainless Steel, Add	785.48	
23 37 13 00-0107	EA 30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	521.85	37.00
	For Steel Construction, Deduct	-37.32	
	For Flat Frame, Deduct	-3.73	
	For Grilles (No Damper), Deduct	-74.63	
	For Stainless Steel, Add	932.93	
23 37 13 00-0108	EA 36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	378.52	39.32
	For Steel Construction, Deduct	-21.84	
	For Flat Frame, Deduct	-2.18	
	For Grilles (No Damper), Deduct	-43.68	
	For Stainless Steel, Add	546.03	
23 37 13 00-0109	EA 36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	490.65	39.32
	For Steel Construction, Deduct	-33.05	
	For Flat Frame, Deduct	-3.31	
	For Grilles (No Damper), Deduct	-66.11	
	For Stainless Steel, Add	826.35	

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

23 37 13 00-0110	EA		36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	563.57	43.95
			<i>For Steel Construction, Deduct</i>	-39.01	
			<i>For Flat Frame, Deduct</i>	-3.90	
			<i>For Grilles (No Damper), Deduct</i>	-78.02	
			<i>For Stainless Steel, Add</i>	975.28	
23 37 13 00-0111	EA		36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	653.50	47.42
			<i>For Steel Construction, Deduct</i>	-46.43	
			<i>For Flat Frame, Deduct</i>	-4.64	
			<i>For Grilles (No Damper), Deduct</i>	-92.85	
			<i>For Stainless Steel, Add</i>	1,160.68	
23 37 13 00-0112	EA		36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	686.21	47.42
			<i>For Steel Construction, Deduct</i>	-49.70	
			<i>For Flat Frame, Deduct</i>	-4.97	
			<i>For Grilles (No Damper), Deduct</i>	-99.40	
			<i>For Stainless Steel, Add</i>	1,242.45	

23 37 13 00-0113 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles (23 37 13 00-0066)

23 37 13 00-0114	EA		6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	46.86	11.29
23 37 13 00-0115	EA		8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	46.86	11.29
23 37 13 00-0116	EA		8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	49.77	11.29
23 37 13 00-0117	EA		8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	50.93	11.29
23 37 13 00-0118	EA		10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	49.77	11.29
23 37 13 00-0119	EA		10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	50.93	11.29
23 37 13 00-0120	EA		10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	62.74	14.80
23 37 13 00-0121	EA		10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	63.90	14.80
23 37 13 00-0122	EA		12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	61.57	14.80
23 37 13 00-0123	EA		12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	63.90	14.80
23 37 13 00-0124	EA		12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	65.06	14.80
23 37 13 00-0125	EA		12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	66.23	14.80
23 37 13 00-0126	EA		14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	64.48	14.80
23 37 13 00-0127	EA		14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	66.81	14.80
23 37 13 00-0128	EA		14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	67.97	14.80
23 37 13 00-0129	EA		14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	73.20	14.80
23 37 13 00-0130	EA		16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	66.81	14.80
23 37 13 00-0131	EA		16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	70.88	14.80
23 37 13 00-0132	EA		16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	73.20	14.80
23 37 13 00-0133	EA		16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	97.40	21.82
23 37 13 00-0134	EA		16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	98.56	21.82
23 37 13 00-0135	EA		18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	96.24	21.82
23 37 13 00-0136	EA		18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	116.20	25.34
23 37 13 00-0137	EA		20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	95.08	21.82
23 37 13 00-0138	EA		20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	122.02	25.34
23 37 13 00-0139	EA		22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	65.64	14.80
23 37 13 00-0140	EA		22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	96.24	21.82
23 37 13 00-0141	EA		22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	137.32	28.85
23 37 13 00-0142	EA		24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	95.08	21.82
23 37 13 00-0143	EA		24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	97.40	21.82
23 37 13 00-0144	EA		24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	112.71	25.34
			<i>For Lay-In Installation, Deduct</i>	-53.52	
23 37 13 00-0145	EA		24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	116.20	25.34
23 37 13 00-0146	EA		24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	130.34	28.85
23 37 13 00-0147	EA		24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	133.83	28.85
23 37 13 00-0148	EA		24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	137.90	28.85
23 37 13 00-0149	EA		24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	145.46	28.85
			<i>For Lay-In Installation, Deduct</i>	-61.26	
23 37 13 00-0150	EA		30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	114.46	25.34
23 37 13 00-0151	EA		48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	174.32	31.63
23 37 13 00-0152	EA		48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	279.93	38.85
			<i>For Lay-In Installation, Deduct</i>	-88.18	

23 37 13 00-0153 Supply Registers and Grilles (23 37 13)

23 37 13 00-0154 Adjustable Curved Blade Register (23 37 13 00-0153)

23 37 13 00-0155	EA		6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	69.87	9.26
			<i>For Steel Construction, Deduct</i>	-5.11	
			<i>For Lay In Frame, Deduct</i>	-8.51	
			<i>For Three Way Pattern, Deduct</i>	-3.40	
			<i>For Two Way Pattern, Deduct</i>	-2.72	
			<i>For One Way Pattern, Deduct</i>	-2.72	
			<i>For Grille (No Damper), Deduct</i>	-5.11	
			<i>For Stainless Steel, Add</i>	85.10	
23 37 13 00-0156	EA		8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	71.87	9.26
			<i>For Steel Construction, Deduct</i>	-5.41	
			<i>For Lay In Frame, Deduct</i>	-9.01	
			<i>For Three Way Pattern, Deduct</i>	-3.60	
			<i>For Two Way Pattern, Deduct</i>	-2.88	
			<i>For One Way Pattern, Deduct</i>	-2.88	
			<i>For Grille (No Damper), Deduct</i>	-5.41	
			<i>For Stainless Steel, Add</i>	90.10	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 37 13 00-0157	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	82.56	12.72
		<i>For Steel Construction, Deduct</i>	-5.11	
		<i>For Lay In Frame, Deduct</i>	-8.51	
		<i>For Three Way Pattern, Deduct</i>	-3.40	
		<i>For Two Way Pattern, Deduct</i>	-2.72	
		<i>For One Way Pattern, Deduct</i>	-2.72	
		<i>For Grille (No Damper), Deduct</i>	-5.11	
		<i>For Stainless Steel, Add</i>	85.10	
23 37 13 00-0158	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	89.90	11.57
		<i>For Steel Construction, Deduct</i>	-6.21	
		<i>For Lay In Frame, Deduct</i>	-10.35	
		<i>For Three Way Pattern, Deduct</i>	-4.14	
		<i>For Two Way Pattern, Deduct</i>	-3.31	
		<i>For One Way Pattern, Deduct</i>	-3.31	
		<i>For Grille (No Damper), Deduct</i>	-6.21	
		<i>For Stainless Steel, Add</i>	103.45	
23 37 13 00-0159	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	108.35	15.03
		<i>For Steel Construction, Deduct</i>	-7.41	
		<i>For Lay In Frame, Deduct</i>	-12.35	
		<i>For Three Way Pattern, Deduct</i>	-4.94	
		<i>For Two Way Pattern, Deduct</i>	-3.95	
		<i>For One Way Pattern, Deduct</i>	-3.95	
		<i>For Grille (No Damper), Deduct</i>	-7.41	
		<i>For Stainless Steel, Add</i>	123.48	
23 37 13 00-0160	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	133.18	17.35
		<i>For Steel Construction, Deduct</i>	-9.21	
		<i>For Lay In Frame, Deduct</i>	-15.35	
		<i>For Three Way Pattern, Deduct</i>	-6.14	
		<i>For Two Way Pattern, Deduct</i>	-4.91	
		<i>For One Way Pattern, Deduct</i>	-4.91	
		<i>For Grille (No Damper), Deduct</i>	-9.21	
		<i>For Stainless Steel, Add</i>	153.50	
23 37 13 00-0161	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	133.18	17.35
		<i>For Steel Construction, Deduct</i>	-9.21	
		<i>For Lay In Frame, Deduct</i>	-15.35	
		<i>For Three Way Pattern, Deduct</i>	-6.14	
		<i>For Two Way Pattern, Deduct</i>	-4.91	
		<i>For One Way Pattern, Deduct</i>	-4.91	
		<i>For Grille (No Damper), Deduct</i>	-9.21	
		<i>For Stainless Steel, Add</i>	153.50	
23 37 13 00-0162	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	164.86	23.12
		<i>For Steel Construction, Deduct</i>	-11.21	
		<i>For Lay In Frame, Deduct</i>	-18.69	
		<i>For Three Way Pattern, Deduct</i>	-7.48	
		<i>For Two Way Pattern, Deduct</i>	-5.98	
		<i>For One Way Pattern, Deduct</i>	-5.98	
		<i>For Grille (No Damper), Deduct</i>	-11.21	
		<i>For Stainless Steel, Add</i>	186.88	
23 37 13 00-0163	EA	24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	207.41	24.28
		<i>For Steel Construction, Deduct</i>	-16.92	
		<i>For Lay In Frame, Deduct</i>	-28.20	
		<i>For Three Way Pattern, Deduct</i>	-11.28	
		<i>For Two Way Pattern, Deduct</i>	-9.02	
		<i>For One Way Pattern, Deduct</i>	-9.02	
		<i>For Grille (No Damper), Deduct</i>	-16.92	
		<i>For Stainless Steel, Add</i>	281.98	
23 37 13 00-0164	EA	30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	314.66	49.03
		<i>For Steel Construction, Deduct</i>	-32.49	
		<i>For Lay In Frame, Deduct</i>	-54.15	
		<i>For Three Way Pattern, Deduct</i>	-21.66	
		<i>For Two Way Pattern, Deduct</i>	-17.33	
		<i>For One Way Pattern, Deduct</i>	-17.33	
		<i>For Grille (No Damper), Deduct</i>	-32.49	
		<i>For Stainless Steel, Add</i>	541.45	

23 37 13 00-0165 Removable-Reversible Core Registers (23 37 13 00-0153)

Note: Double deflection/radiused frame aluminum construction.

23 37 13 00-0166	EA	6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	78.54	9.26
		<i>For Steel Construction, Deduct</i>	-4.27	
		<i>For Flat Frame, Deduct</i>	-4.27	
		<i>For Grille (No Damper), Deduct</i>	-12.81	
		<i>For Stainless Steel, Add</i>	106.78	
23 37 13 00-0167	EA	8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	95.90	9.26
		<i>For Steel Construction, Deduct</i>	-6.01	
		<i>For Flat Frame, Deduct</i>	-6.01	
		<i>For Grille (No Damper), Deduct</i>	-18.02	
		<i>For Stainless Steel, Add</i>	150.18	
23 37 13 00-0168	EA	12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	123.27	12.72
		<i>For Steel Construction, Deduct</i>	-7.48	
		<i>For Flat Frame, Deduct</i>	-7.48	
		<i>For Grille (No Damper), Deduct</i>	-22.43	
		<i>For Stainless Steel, Add</i>	186.88	
23 37 13 00-0169	EA	10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	124.61	12.72
		<i>For Steel Construction, Deduct</i>	-7.61	
		<i>For Flat Frame, Deduct</i>	-7.61	
		<i>For Grille (No Damper), Deduct</i>	-22.83	
		<i>For Stainless Steel, Add</i>	190.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0170	EA		12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	157.74	15.03
			<i>For Steel Construction, Deduct</i>	-9.88	
			<i>For Flat Frame, Deduct</i>	-9.88	
			<i>For Grille (No Damper), Deduct</i>	-29.63	
			<i>For Stainless Steel, Add</i>	246.95	
23 37 13 00-0171	EA		14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	219.95	18.50
			<i>For Steel Construction, Deduct</i>	-14.82	
			<i>For Flat Frame, Deduct</i>	-14.82	
			<i>For Grille (No Damper), Deduct</i>	-44.45	
			<i>For Stainless Steel, Add</i>	370.43	
23 37 13 00-0172	EA		16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	243.97	17.35
			<i>For Steel Construction, Deduct</i>	-17.22	
			<i>For Flat Frame, Deduct</i>	-17.22	
			<i>For Grille (No Damper), Deduct</i>	-51.66	
			<i>For Stainless Steel, Add</i>	430.48	
23 37 13 00-0173	EA		18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	295.67	23.12
			<i>For Steel Construction, Deduct</i>	-20.56	
			<i>For Flat Frame, Deduct</i>	-20.56	
			<i>For Grille (No Damper), Deduct</i>	-61.67	
			<i>For Stainless Steel, Add</i>	513.90	
23 37 13 00-0174	EA		24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	365.59	23.12
			<i>For Steel Construction, Deduct</i>	-27.10	
			<i>For Flat Frame, Deduct</i>	-27.10	
			<i>For Grille (No Damper), Deduct</i>	-81.29	
			<i>For Stainless Steel, Add</i>	677.43	
23 37 13 00-0175 Adjustable Shutter Blade Registers (23 37 13 00-0153)					
Note: Double deflection flat frame aluminum construction.					
23 37 13 00-0176	EA		6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	113.70	9.26
			<i>For Steel Construction, Deduct</i>	-7.79	
			<i>For Single Deflection, Deduct</i>	-15.57	
			<i>For Grille (No Damper), Deduct</i>	-11.68	
			<i>For Stainless Steel, Add</i>	194.68	
23 37 13 00-0177	EA		8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	129.27	9.26
			<i>For Steel Construction, Deduct</i>	-9.34	
			<i>For Single Deflection, Deduct</i>	-18.69	
			<i>For Grille (No Damper), Deduct</i>	-14.02	
			<i>For Stainless Steel, Add</i>	233.60	
23 37 13 00-0178	EA		12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	141.96	12.72
			<i>For Steel Construction, Deduct</i>	-9.34	
			<i>For Single Deflection, Deduct</i>	-18.69	
			<i>For Grille (No Damper), Deduct</i>	-14.02	
			<i>For Stainless Steel, Add</i>	233.60	
23 37 13 00-0179	EA		10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	146.41	11.57
			<i>For Steel Construction, Deduct</i>	-9.79	
			<i>For Single Deflection, Deduct</i>	-19.58	
			<i>For Grille (No Damper), Deduct</i>	-14.68	
			<i>For Stainless Steel, Add</i>	244.73	
23 37 13 00-0180	EA		12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	179.10	15.03
			<i>For Steel Construction, Deduct</i>	-12.01	
			<i>For Single Deflection, Deduct</i>	-24.03	
			<i>For Grille (No Damper), Deduct</i>	-18.02	
			<i>For Stainless Steel, Add</i>	300.35	
23 37 13 00-0181	EA		14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	236.41	17.35
			<i>For Steel Construction, Deduct</i>	-16.46	
			<i>For Single Deflection, Deduct</i>	-32.93	
			<i>For Grille (No Damper), Deduct</i>	-24.69	
			<i>For Stainless Steel, Add</i>	411.58	
23 37 13 00-0182	EA		16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	274.23	18.50
			<i>For Steel Construction, Deduct</i>	-20.25	
			<i>For Single Deflection, Deduct</i>	-40.49	
			<i>For Grille (No Damper), Deduct</i>	-30.37	
			<i>For Stainless Steel, Add</i>	506.13	
23 37 13 00-0183	EA		18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	339.28	23.12
			<i>For Steel Construction, Deduct</i>	-24.92	
			<i>For Single Deflection, Deduct</i>	-49.83	
			<i>For Grille (No Damper), Deduct</i>	-37.38	
			<i>For Stainless Steel, Add</i>	622.93	
23 37 13 00-0184	EA		24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	457.25	24.28
			<i>For Steel Construction, Deduct</i>	-36.26	
			<i>For Single Deflection, Deduct</i>	-72.53	
			<i>For Grille (No Damper), Deduct</i>	-54.39	
			<i>For Stainless Steel, Add</i>	906.58	
23 37 13 00-0185 Air Conditioning And Ventilation (23 37 13 00-0153)					
23 37 13 00-0186	EA		10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	74.27	24.28
			<i>For Stainless Steel, Add</i>	64.38	
23 37 13 00-0187	EA		18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	123.77	36.14
			<i>For Stainless Steel, Add</i>	128.73	
23 37 13 00-0188	EA		30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	187.00	50.59
			<i>For Stainless Steel, Add</i>	214.55	
23 37 13 00-0189	EA		48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	421.99	69.38
			<i>For Stainless Steel, Add</i>	708.05	
23 37 13 00-0190 Square Wall Return Air And Exhaust Grilles (23 37 13 00-0153)					
Note: Egg crate design aluminum construction.					
23 37 13 00-0191	EA		8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	73.30	28.92

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 37 13 00-0192	EA	12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	78.07		28.92
23 37 13 00-0193	EA	18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	116.50		43.38
23 37 13 00-0194	EA	24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	140.30		43.38
23 37 13 00-0195	EA	28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	222.79		57.83
23 37 13 00-0196	EA	36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	366.68		57.82
23 37 13 00-0197		Rectangular Four-Way Adjustable Deflection Wall Supply Grilles (23 37 13 00-0153)			
		Note: Aluminum construction.			
23 37 13 00-0198	EA	12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	174.89		20.82
23 37 13 00-0199	EA	14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	194.91		20.82
23 37 13 00-0200	EA	18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	232.69		23.13
23 37 13 00-0201	EA	24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	268.25		23.13
23 37 13 00-0202	EA	36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	355.12		72.28
23 37 13 00-0203		Square Ceiling Return Air And Exhaust Grilles (23 37 13 00-0153)			
		Note: Egg crate design, plastic construction.			
23 37 13 00-0204	EA	24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	38.23		13.84
23 37 13 00-0205	EA	24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	52.51		13.94
23 37 13 00-0206		Door Grilles Sight Proof Inverted Vee Cross Section (23 37 13 00-0153)			
		Note: Painted steel louvers and frame.			
23 37 13 00-0207	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	100.69		20.82
23 37 13 00-0208	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	132.62		20.82
23 37 13 00-0209	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	157.09		21.97
23 37 13 00-0210	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	203.81		26.25
23 37 13 00-0211	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	228.73		48.23
23 37 13 00-0212		Security Registers And Grilles (23 37 13)			
23 37 13 00-0213		Maximum Security Steel Supply / Return Registers (23 37 13 00-0212)			
		Note: Includes damper as manufactured by Titus or equal.			
23 37 13 00-0214	EA	6" x 6" Maximum Security Supply/ Return Register	161.19		12.95
23 37 13 00-0215	EA	9" x 9" Maximum Security Supply/ Return Register	228.94		15.41
23 37 13 00-0216	EA	12" x 6" Maximum Security Supply/ Return Register	215.60		16.17
23 37 13 00-0217	EA	12" x 8" Maximum Security Supply/ Return Register	248.56		18.67
23 37 13 00-0218	EA	10" x 10" Maximum Security Supply/ Return Register	232.18		16.17
23 37 13 00-0219	EA	14" x 12" Maximum Security Supply/ Return Register	321.16		22.75
23 37 13 00-0220	EA	14" x 14" Maximum Security Supply/ Return Register	362.42		24.51
23 37 13 00-0221	EA	18" x 18" Maximum Security Supply/ Return Register	481.33		29.12
23 37 13 00-0222	EA	24" x 24" Maximum Security Supply/ Return Registers	684.55		37.22
23 37 13 00-0223		Staff Security Steel Supply Registers (23 37 13 00-0212)			
		Note: Includes damper as manufactured by Titus or equal.			
23 37 13 00-0224	EA	6" x 6" Staff Security Supply Register	124.71		12.95
23 37 13 00-0225	EA	9" x 9" Staff Security Supply Register	159.30		15.41
23 37 13 00-0226	EA	12" x 12" Staff Security Supply Register	201.95		21.02
23 37 13 00-0227	EA	15" x 15" Staff Security Supply Register	282.76		24.27
23 37 13 00-0228	EA	21" x 21" Staff Security Supply Register	398.19		32.38
23 37 13 00-0229	EA	24" x 24" Staff Security Supply Register	477.30		37.22
23 37 13 00-0230		Staff Security Steel Return Registers (23 37 13 00-0212)			
		Note: Includes damper as manufactured by Titus or equal.			
23 37 13 00-0231	EA	10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register	156.14		14.01
		Note: Perforated with square holes.			
23 37 13 00-0232	EA	6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	141.29		12.95
		Note: Perforated with square holes.			
23 37 13 00-0233	EA	10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	169.37		14.59
		Note: Perforated with square holes.			
23 37 13 00-0234	EA	12" x 5" 12 Gage Flat Steel Plate Staff Security Return Register	174.19		15.76
		Note: Perforated with square holes.			
23 37 13 00-0235	EA	12" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	215.40		18.67
		Note: Perforated with square holes.			
23 37 13 00-0236	EA	16" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	225.35		18.67
		Note: Perforated with square holes.			
23 37 13 00-0237	EA	16" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	250.10		19.38
		Note: Perforated with square holes.			
23 37 13 00-0238	EA	12" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	251.69		21.02
		Note: Perforated with square holes.			
23 37 13 00-0239	EA	30" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	324.40		23.58
		Note: Perforated with square holes.			
23 37 13 00-0240	EA	14" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	279.71		22.75
		Note: Perforated with square holes.			
23 37 13 00-0241	EA	28" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	345.84		24.27
		Note: Perforated with square holes.			
23 37 13 00-0242	EA	18" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	320.97		24.04
		Note: Perforated with square holes.			
23 37 13 00-0243		Maximum Security Steel Grills (23 37 13 00-0212)			
		Note: Includes damper as manufactured by Titus or equal.			
23 37 13 00-0244	EA	10" x 4" Maximum Security Grill	136.24		14.01

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

23 37 13 00-0245	EA	6" x 6" Maximum Security Grill.....	124.71	12.95
23 37 13 00-0246	EA	10" x 6" Maximum Security Grill.....	146.15	14.59
23 37 13 00-0247	EA	12" x 5" Maximum Security Grill.....	152.63	15.76
23 37 13 00-0248	EA	12" x 8" Maximum Security Grill.....	180.58	18.67
23 37 13 00-0249	EA	16" x 8" Maximum Security Grill.....	207.00	19.38
23 37 13 00-0250	EA	12" x 12" Maximum Security Grill.....	208.58	21.02
23 37 13 00-0251	EA	14" x 12" Maximum Security Grill.....	226.65	22.75
23 37 13 00-0252	EA	30" x 6" Maximum Security Grill.....	274.66	23.58
23 37 13 00-0253	EA	28" x 8" Maximum Security Grill.....	289.47	24.27
23 37 13 00-0254	EA	18" x 12" Maximum Security Grill.....	266.26	24.04

23 37 13 00-0255 Removal And Reinstallation Of Distribution Devices (23 37 13)

23 37 13 00-0256	EA	Removal And Reinstallation Of Variable Air Volume Terminal Unit.....	216.83	
23 37 13 00-0257	EA	Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit.....	239.15	
23 37 13 00-0258	EA	Removal And Reinstallation Of Lay-in Diffuser/Register/Grille.....	35.84	
23 37 13 00-0259	EA	Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille.....	48.54	

23 38 Ventilation Hoods (23 30)

23 38 13 Commercial-Kitchen Hoods (23 38)

23 38 13 16 Standard Commercial-Kitchen Hoods (23 38 13)

23 38 13 16-0001 Stainless Steel Exhaust Hood Material (23 38 13 16)

Note: Welded seams.

23 38 13 16-0002	SF	16 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	41.26	15.81
		<i>For Type 316 Stainless Steel, Add</i>	0.85	
23 38 13 16-0003	SF	14 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	51.61	21.07
		<i>For Type 316 Stainless Steel, Add</i>	1.06	
23 38 13 16-0004	SF	12 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	71.60	28.45
		<i>For Type 316 Stainless Steel, Add</i>	1.49	
23 38 13 16-0005	SF	10 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	89.36	34.77
		<i>For Type 316 Stainless Steel, Add</i>	1.91	

23 40 HVAC Air Cleaning Devices (23)

23 41 Particulate Air Filtration (23 40)

23 41 13 Panel Air Filters (23 41)

23 41 13 00-0001 Disposable Air Filters (23 41 13)

23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential.....	12.19	
------------------	----	---	-------	--

23 41 13 00-0003 Electrostatic Air Filters With Frame, Element And Busbar (23 41 13)

23 41 13 00-0004	MF3	Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar.....	61.34	
23 41 13 00-0005	MF3	Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar.....	59.24	
23 41 13 00-0006	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar.....	2.56	

23 41 16 Renewable-Media Air Filters (23 41)

23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar (23 41 16)

23 41 16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar.....	105.55	
------------------	-----	--	--------	--

23 41 19 Washable Air Filters (23 41)

23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar (23 41 19)

23 41 19 00-0002	MF3	Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar.....	40.30	
------------------	-----	---	-------	--

23 41 33 High-Efficiency Particulate Filtration (23 41)

23 41 33 00-0001 HEPA Filters (23 41 33)

Note: Includes particle board and kraft paper frame and separator material.

23 41 33 00-0002 HEPA Filters DOP Efficiency-95% (23 41 33 00-0001)

23 41 33 00-0003	EA	12" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 150 CFM, Complete.....	112.32	16.20
		<i>For Removal And Replacement In Existing Equipment, Add</i>	3.24	
		<i>For >10 To 25, Deduct</i>	-2.81	
		<i>For >25 To 50, Deduct</i>	-5.62	
		<i>For >50 To 100, Deduct</i>	-8.42	
		<i>For >100, Deduct</i>	-11.23	
23 41 33 00-0004	EA	24" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 375 CFM, Complete.....	148.60	18.51
		<i>For Removal And Replacement In Existing Equipment, Add</i>	3.70	
		<i>For >10 To 25, Deduct</i>	-3.72	
		<i>For >25 To 50, Deduct</i>	-7.43	
		<i>For >50 To 100, Deduct</i>	-11.15	
		<i>For >100, Deduct</i>	-14.86	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 40 HVAC Air Cleaning Devices

23 41 Particulate Air Filtration

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 41 33 00-0005	EA 24" x 18" x 6" HEPA Filter, 95% DOP Efficiency, 450 CFM, Complete.....	173.84	21.40
	<i>For Removal And Replacement In Existing Equipment, Add</i>	4.28	
	<i>For >10 To 25, Deduct</i>	-4.35	
	<i>For >25 To 50, Deduct</i>	-8.69	
	<i>For >50 To 100, Deduct</i>	-13.04	
	<i>For >100, Deduct</i>	-17.38	
23 41 33 00-0006	EA 24" x 24" x 6" HEPA Filter, 95% DOP Efficiency, 700 CFM, Complete.....	199.12	24.29
	<i>For Removal And Replacement In Existing Equipment, Add</i>	4.86	
	<i>For >10 To 25, Deduct</i>	-4.98	
	<i>For >25 To 50, Deduct</i>	-9.96	
	<i>For >50 To 100, Deduct</i>	-14.93	
	<i>For >100, Deduct</i>	-19.91	
23 41 33 00-0007	EA 12" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 250 CFM, Complete.....	136.25	17.35
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.47	
	<i>For >10 To 25, Deduct</i>	-3.41	
	<i>For >25 To 50, Deduct</i>	-6.81	
	<i>For >50 To 100, Deduct</i>	-10.22	
	<i>For >100, Deduct</i>	-13.63	
23 41 33 00-0008	EA 24" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 500 CFM, Complete.....	182.23	20.24
	<i>For Removal And Replacement In Existing Equipment, Add</i>	4.05	
	<i>For >10 To 25, Deduct</i>	-4.56	
	<i>For >25 To 50, Deduct</i>	-9.11	
	<i>For >50 To 100, Deduct</i>	-13.67	
	<i>For >100, Deduct</i>	-18.22	
23 41 33 00-0009	EA 24" x 18" x 12" HEPA Filter, 95% DOP Efficiency, 875 CFM, Complete.....	217.56	23.13
	<i>For Removal And Replacement In Existing Equipment, Add</i>	4.63	
	<i>For >10 To 25, Deduct</i>	-5.44	
	<i>For >25 To 50, Deduct</i>	-10.88	
	<i>For >50 To 100, Deduct</i>	-16.32	
	<i>For >100, Deduct</i>	-21.76	
23 41 33 00-0010	EA 24" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 1,000 CFM, Complete.....	258.67	28.92
	<i>For Removal And Replacement In Existing Equipment, Add</i>	5.78	
	<i>For >10 To 25, Deduct</i>	-6.47	
	<i>For >25 To 50, Deduct</i>	-12.93	
	<i>For >50 To 100, Deduct</i>	-19.40	
	<i>For >100, Deduct</i>	-25.87	
23 41 33 00-0011	HEPA Filters DOP Efficiency-99.99% (23 41 33 00-0001)		
23 41 33 00-0012	EA 12" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	96.38	14.46
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.89	
	<i>For >10 To 25, Deduct</i>	-2.41	
	<i>For >25 To 50, Deduct</i>	-4.82	
	<i>For >50 To 100, Deduct</i>	-7.23	
	<i>For >100, Deduct</i>	-9.64	
23 41 33 00-0013	EA 24" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	132.72	17.35
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.47	
	<i>For >10 To 25, Deduct</i>	-3.32	
	<i>For >25 To 50, Deduct</i>	-6.64	
	<i>For >50 To 100, Deduct</i>	-9.95	
	<i>For >100, Deduct</i>	-13.27	
23 41 33 00-0014	EA 24" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	201.55	20.24
	<i>For Removal And Replacement In Existing Equipment, Add</i>	4.05	
	<i>For >10 To 25, Deduct</i>	-5.04	
	<i>For >25 To 50, Deduct</i>	-10.08	
	<i>For >50 To 100, Deduct</i>	-15.12	
	<i>For >100, Deduct</i>	-20.16	
23 41 33 00-0015	EA 36" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	258.41	23.13
	<i>For Removal And Replacement In Existing Equipment, Add</i>	4.63	
	<i>For >10 To 25, Deduct</i>	-6.46	
	<i>For >25 To 50, Deduct</i>	-12.92	
	<i>For >50 To 100, Deduct</i>	-19.38	
	<i>For >100, Deduct</i>	-25.84	
23 41 33 00-0016	EA 8" x 8" x 6" HEPA Filter, 99.99% DOP Efficiency, Complete	90.53	11.56
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.31	
	<i>For >10 To 25, Deduct</i>	-2.26	
	<i>For >25 To 50, Deduct</i>	-4.53	
	<i>For >50 To 100, Deduct</i>	-6.79	
	<i>For >100, Deduct</i>	-9.05	
23 41 33 00-0017	EA 12" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 150 CFM, Complete.....	120.05	15.61
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.12	
	<i>For >10 To 25, Deduct</i>	-3.00	
	<i>For >25 To 50, Deduct</i>	-6.00	
	<i>For >50 To 100, Deduct</i>	-9.00	
	<i>For >100, Deduct</i>	-12.01	
23 41 33 00-0018	EA 24" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 325 CFM, Complete.....	161.00	18.51
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.70	
	<i>For >10 To 25, Deduct</i>	-4.03	
	<i>For >25 To 50, Deduct</i>	-8.05	
	<i>For >50 To 100, Deduct</i>	-12.08	
	<i>For >100, Deduct</i>	-16.10	
23 41 33 00-0019	EA 24" x 18" x 6" HEPA Filter, 99.99% DOP Efficiency, 550 CFM, Complete.....	189.00	21.68
	<i>For Removal And Replacement In Existing Equipment, Add</i>	4.34	
	<i>For >10 To 25, Deduct</i>	-4.73	
	<i>For >25 To 50, Deduct</i>	-9.45	
	<i>For >50 To 100, Deduct</i>	-14.18	
	<i>For >100, Deduct</i>	-18.90	

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

23 41 33 00-0020	EA		24" x 24" x 6" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	215.84	24.29
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.86	
			<i>For >10 To 25, Deduct</i>	-5.40	
			<i>For >25 To 50, Deduct</i>	-10.79	
			<i>For >50 To 100, Deduct</i>	-16.19	
			<i>For >100, Deduct</i>	-21.58	
23 41 33 00-0021	EA		12" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 250 CFM, Complete.....	147.53	17.35
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.47	
			<i>For >10 To 25, Deduct</i>	-3.69	
			<i>For >25 To 50, Deduct</i>	-7.38	
			<i>For >50 To 100, Deduct</i>	-11.06	
			<i>For >100, Deduct</i>	-14.75	
23 41 33 00-0022	EA		24" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 500 CFM, Complete.....	197.99	20.24
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.05	
			<i>For >10 To 25, Deduct</i>	-4.95	
			<i>For >25 To 50, Deduct</i>	-9.90	
			<i>For >50 To 100, Deduct</i>	-14.85	
			<i>For >100, Deduct</i>	-19.80	
23 41 33 00-0023	EA		24" x 18" x 12" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	236.59	23.13
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.63	
			<i>For >10 To 25, Deduct</i>	-5.91	
			<i>For >25 To 50, Deduct</i>	-11.83	
			<i>For >50 To 100, Deduct</i>	-17.74	
			<i>For >100, Deduct</i>	-23.66	
23 41 33 00-0024	EA		24" x 24" x 12" HEPA Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete.....	291.60	28.92
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.78	
			<i>For >10 To 25, Deduct</i>	-7.29	
			<i>For >25 To 50, Deduct</i>	-14.58	
			<i>For >50 To 100, Deduct</i>	-21.87	
			<i>For >100, Deduct</i>	-29.16	

23 41 33 00-0025 HEPA Filter Housings, 14 Gauge Galvanized Sheet Metal (23 41 33)

Note: Nominal sizes.

23 41 33 00-0026	EA		12" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	285.96	86.24
23 41 33 00-0027	EA		24" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	535.94	171.41
23 41 33 00-0028	EA		24" x 18" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	543.64	171.41
23 41 33 00-0029	EA		24" x 24" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	548.78	171.41
23 41 33 00-0030	EA		24" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	584.75	171.41
23 41 33 00-0031	EA		24" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	629.71	171.41
23 41 33 00-0032	EA		48" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,041.04	343.89
23 41 33 00-0033	EA		48" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,150.23	343.89
23 41 33 00-0034	EA		48" x 96" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,288.95	343.89
23 41 33 00-0035	EA		12" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	307.79	86.24
23 41 33 00-0036	EA		24" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	573.19	171.41
23 41 33 00-0037	EA		24" x 18" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	582.18	171.41
23 41 33 00-0038	EA		24" x 24" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	588.60	171.41
23 41 33 00-0039	EA		24" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	630.99	171.41
23 41 33 00-0040	EA		24" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	687.51	171.41
23 41 33 00-0041	EA		48" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,130.96	343.89
23 41 33 00-0042	EA		48" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,267.12	343.89
23 41 33 00-0043	EA		48" x 96" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,439.24	343.89

23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency (23 41 33)

23 41 33 00-0045	EA		0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency.....	261.88	111.79
23 41 33 00-0046	EA		1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency.....	297.83	111.79

23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency (23 41 33)

23 41 33 00-0048	EA		0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency.....	257.76	111.79
23 41 33 00-0049	EA		1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency.....	284.27	111.79

23 42 Gas-Phase Air Filtration (23 40)

23 42 13 Activated-Carbon Air Filtration (23 42)

23 42 13 00-0001	EA		12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	40.48	8.67
23 42 13 00-0002	EA		16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	40.93	8.67
23 42 13 00-0003	EA		16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	41.20	8.67
23 42 13 00-0004	EA		20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	41.20	8.67
23 42 13 00-0005	EA		20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	44.57	8.67
23 42 13 00-0006	EA		24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	50.11	8.67
23 42 13 00-0007	EA		12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	50.99	9.83
23 42 13 00-0008	EA		16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	51.37	9.83
23 42 13 00-0009	EA		16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	51.69	9.83
23 42 13 00-0010	EA		20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	51.69	9.83
23 42 13 00-0011	EA		20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	55.41	9.83
23 42 13 00-0012	EA		24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	65.80	9.83
23 42 13 00-0013	EA		16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	25.07	8.67
23 42 13 00-0014	EA		16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	26.67	8.67
23 42 13 00-0015	EA		20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	26.73	8.67
23 42 13 00-0016	EA		20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	28.82	8.67
23 42 13 00-0017	EA		24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter.....	30.69	8.67
23 42 13 00-0018	EA		16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	29.00	9.83
23 42 13 00-0019	EA		16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	31.80	9.83
23 42 13 00-0020	EA		20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	32.38	9.83

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 42 Gas-Phase Air Filtration**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	35.85	9.83
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter.....	38.05	9.83
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter.....	62.01	10.41

23 44 Ultraviolet HVAC Microbial Control (23 40)**23 44 00 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures** (23 44)

23 44 00 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO)..... Note: Includes tube.	517.54	85.01
23 44 00 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO)..... Note: Includes tube.	540.69	89.22
23 44 00 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO)..... Note: Includes tube.	545.57	93.05
23 44 00 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO)..... Note: Includes tube.	570.95	97.76
23 44 00 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO)..... Note: Includes tube.	614.67	101.97
23 44 00 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO)..... Note: Includes tube.	696.61	105.15

23 44 00 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures (23 44)

23 44 00 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO)..... Note: Includes tube.	441.04	58.89
23 44 00 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO)..... Note: Includes tube.	450.71	63.73
23 44 00 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO)..... Note: Includes tube.	460.56	67.55
23 44 00 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO)..... Note: Includes tube.	463.34	72.65
23 44 00 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO)..... Note: Includes tube.	482.90	76.47
23 44 00 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO)..... Note: Includes tube.	495.69	80.30
23 44 00 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO)..... Note: Includes tube.	508.54	85.39
23 44 00 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO)..... Note: Includes tube.	510.44	58.89
23 44 00 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO)..... Note: Includes tube.	520.11	63.73
23 44 00 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO)..... Note: Includes tube.	529.97	67.55
23 44 00 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO)..... Note: Includes tube.	532.74	72.65
23 44 00 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO)..... Note: Includes tube.	552.30	76.47
23 44 00 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO)..... Note: Includes tube.	565.10	80.30
23 44 00 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO)..... Note: Includes tube.	577.94	85.39
23 44 00 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO)..... Note: Includes tube.	369.09	63.73
23 44 00 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO)..... Note: Includes tube.	378.95	67.55
23 44 00 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO)..... Note: Includes tube.	381.72	72.65
23 44 00 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO)..... Note: Includes tube.	401.29	76.47
23 44 00 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO)..... Note: Includes tube.	414.08	80.30
23 44 00 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO)..... Note: Includes tube.	426.93	85.39

23 44 00 00-0029 Fan Coil Unit Ultraviolet Microbial Control Fixtures (23 44)

23 44 00 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	342.48	81.57
23 44 00 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	352.09	85.39
23 44 00 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	361.69	89.22
23 44 00 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	373.41	93.05
23 44 00 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	387.51	97.76
23 44 00 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	400.36	101.97

23 44 00 00-0036 Ultraviolet HVAC Microbial Control Replacement Parts (23 44)

23 44 00 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO).....	90.46	
23 44 00 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO).....	94.90	
23 44 00 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO).....	106.07	
23 44 00 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO).....	120.24	
23 44 00 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO).....	134.70	
23 44 00 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO).....	162.07	



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

23 44 00 00-0043	EA			12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO)	86.63	
23 44 00 00-0044	EA			16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO)	91.19	
23 44 00 00-0045	EA			20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO)	95.94	
23 44 00 00-0046	EA			24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO)	93.63	
23 44 00 00-0047	EA			30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO)	108.10	
23 44 00 00-0048	EA			36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO)	115.78	
23 44 00 00-0049	EA			42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO)	123.54	
23 44 00 00-0050	EA			Replacement Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire).....	248.42	

23 44 00 00-0051 Ultraviolet HVAC Microbial Control Mounting Accessories (23 44)

23 44 00 00-0052	EA			Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610).....	468.19	
				Note: Includes 61" emitter, power supply, wires and connectors.		
23 44 00 00-0053	EA			Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620).....	576.91	
				Note: Includes 61" emitter, power supply, wires and connectors.		
23 44 00 00-0054	EA			Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1)	294.16	
				Note: Includes power supply, wires and connectors. Excludes emitter.		
23 44 00 00-0055	EA			Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2).....	307.47	
				Note: Includes power supply, wires and connectors. Excludes emitter.		
23 44 00 00-0056	EA			Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3)	351.40	
				Note: Includes power supply, wires and connectors. Excludes emitter.		
23 44 00 00-0057	EA			Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4)	234.53	
				Note: Includes power supply, wires and connectors. Excludes emitter.		
23 44 00 00-0058	EA			Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5).....	250.90	
				Note: Includes power supply, wires and connectors. Excludes emitter.		
23 44 00 00-0059	EA			16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6)	339.43	
				Note: Includes power supply, wires and connectors. Excludes emitter.		
23 44 00 00-0060	EA			12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7)	335.65	
				Note: Includes power supply, wires and connectors. Excludes emitter.		
23 44 00 00-0061	LF			30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	12.91	
23 44 00 00-0062	EA			Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	45.28	
23 44 00 00-0063	EA			Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	17.31	
23 44 00 00-0064	EA			Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	16.65	
23 44 00 00-0065	EA			Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	42.58	
23 44 00 00-0066	EA			Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	43.03	
23 44 00 00-0067	EA			Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	38.83	
23 44 00 00-0068	EA			Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	32.54	
23 44 00 00-0069	EA			ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109).....	31.04	
23 44 00 00-0070	EA			DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	19.29	
23 44 00 00-0071	EA			DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	34.22	
23 44 00 00-0072	EA			Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	19.35	
23 44 00 00-0073	EA			480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	65.85	
23 44 00 00-0074	EA			Interlock Switch (16 Amps At 125 Volt, 10 Amps At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120).....	68.67	

23 50 Central Heating Equipment (23)

23 51 Breechings, Chimneys, And Stacks (23 50)

23 51 13 Draft Control Devices (23 51)

23 51 13 13 Draft-Induction Fans (23 51 13)

23 51 13 13-0001				Vertical Discharge Fans (23 51 13 13) Note: Includes chimney adapter. Excludes wiring.		
23 51 13 13-0002				Axial Vane Vertical Discharge Fans (23 51 13 13-0001)		
23 51 13 13-0003	EA			450 CFM Vertical Discharge Chimney Fan, Axial Vane.....	2,254.75	234.22
23 51 13 13-0004	EA			950 CFM Vertical Discharge Chimney Fan, Axial Vane.....	2,549.47	255.52
23 51 13 13-0005	EA			1,400 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,043.97	282.13
23 51 13 13-0006	EA			1,800 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,950.68	327.38

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0008	EA			700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	2,693.16	255.52
23 51 13 13-0009	EA			1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	3,264.74	282.13
23 51 13 13-0010	EA			2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	4,215.23	330.05
23 51 13 13-0011	EA			3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	4,978.06	369.97

23 51 13 13-0012 Accessories For Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0013	EA			Modulating Fan Controller And Sensor.....	348.82	79.85
------------------	----	--	--	---	--------	-------

23 51 13 16 Vent Dampers (23 51 13)

23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade (23 51 13 16)

23 51 13 16-0002	EA			3" Round Flue Shutter Draft Control Damper	357.47	47.27
23 51 13 16-0003	EA			4" Round Flue Shutter Draft Control Damper	386.88	50.14
23 51 13 16-0004	EA			5" Round Flue Shutter Draft Control Damper	420.71	53.23
23 51 13 16-0005	EA			6" Round Flue Shutter Draft Control Damper	449.17	56.77
23 51 13 16-0006	EA			7" Round Flue Shutter Draft Control Damper	486.89	60.82
23 51 13 16-0007	EA			8" Round Flue Shutter Draft Control Damper	519.87	65.47
23 51 13 16-0008	EA			10" Round Flue Shutter Draft Control Damper	570.55	70.99

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper.....	624.91	77.42
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper.....	683.03	81.18
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper.....	727.62	85.18
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper.....	784.07	89.43
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper.....	1,035.68	141.60
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper.....	1,120.99	150.39
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper.....	1,204.88	159.69
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper.....	1,233.26	165.02
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper.....	1,272.48	170.35
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper.....	1,325.83	181.00
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper.....	1,375.84	186.19
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper.....	1,443.25	196.84
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper.....	1,532.41	212.93
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper.....	1,599.41	220.24
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper.....	1,651.00	223.58
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper.....	1,731.09	234.22
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper.....	1,811.44	244.87
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper.....	1,891.92	255.52
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper.....	1,972.21	266.16

23 51 13 19 Barometric Dampers (23 51 13)**23 51 13 19-0001 Barometric Dampers (23 51 13 19)**

23 51 13 19-0002	EA	6" x 6" Barometric Damper.....	125.71	9.26
23 51 13 19-0003	EA	12" x 12" Barometric Damper.....	179.33	12.72
23 51 13 19-0004	EA	18" x 18" Barometric Damper.....	249.84	19.66
23 51 13 19-0005	EA	24" x 24" Barometric Damper.....	342.34	37.00
23 51 13 19-0006	EA	6" Diameter Barometric Damper.....	75.77	9.26
		<i>For Stainless Steel, Add</i>	51.84	
23 51 13 19-0007	EA	7" Diameter Barometric Damper.....	89.01	10.41
		<i>For Stainless Steel, Add</i>	61.59	
23 51 13 19-0008	EA	8" Diameter Barometric Damper.....	103.35	11.57
		<i>For Stainless Steel, Add</i>	71.42	
23 51 13 19-0009	EA	9" Diameter Barometric Damper.....	120.48	11.57
		<i>For Stainless Steel, Add</i>	90.48	
23 51 13 19-0010	EA	10" Diameter Barometric Damper.....	148.19	13.88
		<i>For Stainless Steel, Add</i>	123.27	
23 51 13 19-0011	EA	12" Diameter Barometric Damper.....	181.77	15.03
		<i>For Stainless Steel, Add</i>	158.99	
23 51 13 19-0012	EA	14" Diameter Barometric Damper.....	221.01	16.19
		<i>For Stainless Steel, Add</i>	202.76	
23 51 13 19-0013	EA	15" Diameter Barometric Damper.....	259.25	17.35
		<i>For Stainless Steel, Add</i>	243.71	
23 51 13 19-0014	EA	16" Diameter Barometric Damper.....	295.98	19.66
		<i>For Stainless Steel, Add</i>	284.56	
23 51 13 19-0015	EA	18" Diameter Barometric Damper.....	375.71	20.81
		<i>For Stainless Steel, Add</i>	380.19	
23 51 13 19-0016	EA	20" Diameter Barometric Damper.....	440.55	23.12
		<i>For Stainless Steel, Add</i>	455.07	
23 51 13 19-0017	EA	24" Diameter Barometric Damper.....	520.00	23.12
		<i>For Stainless Steel, Add</i>	552.99	
23 51 13 19-0018	EA	30" Diameter Barometric Damper.....	631.38	26.60
		<i>For Stainless Steel, Add</i>	685.49	
23 51 13 19-0019	EA	36" Diameter Barometric Damper.....	787.50	27.76
		<i>For Stainless Steel, Add</i>	881.34	

23 51 16 Fabricated Breechings And Accessories (23 51)**23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)****23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0001)**

23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	26.75	9.48
		<i>For Aluminum Liner, Add</i>	0.17	
		<i>For Stainless Steel Liner, Add</i>	0.23	
		<i>For 2" Wall Instead Of 1", Add</i>	3.30	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	6.13	
23 51 16 00-0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	28.25	10.01
		<i>For Aluminum Liner, Add</i>	0.21	
		<i>For Stainless Steel Liner, Add</i>	0.29	
		<i>For 2" Wall Instead Of 1", Add</i>	3.59	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	6.61	
23 51 16 00-0005	LF	5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	30.87	10.65
		<i>For Aluminum Liner, Add</i>	0.25	
		<i>For Stainless Steel Liner, Add</i>	0.34	
		<i>For 2" Wall Instead Of 1", Add</i>	3.99	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.31	
23 51 16 00-0006	LF	6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	33.34	11.39
		<i>For Aluminum Liner, Add</i>	0.29	
		<i>For Stainless Steel Liner, Add</i>	0.39	
		<i>For 2" Wall Instead Of 1", Add</i>	4.39	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.98	
23 51 16 00-0007	LF	7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	37.52	12.13
		<i>For Aluminum Liner, Add</i>	0.43	
		<i>For Stainless Steel Liner, Add</i>	0.58	
		<i>For 2" Wall Instead Of 1", Add</i>	5.30	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0008	LF		8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	41.68	13.10
			<i>For Aluminum Liner, Add</i>	0.47	
			<i>For Stainless Steel Liner, Add</i>	0.65	
			<i>For 2" Wall Instead Of 1", Add</i>	5.89	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.49	
23 51 16 00-0009	LF		10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	53.97	14.05
			<i>For Aluminum Liner, Add</i>	1.00	
			<i>For Stainless Steel Liner, Add</i>	1.37	
			<i>For 2" Wall Instead Of 1", Add</i>	9.04	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	15.35	
23 51 16 00-0010	LF		12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	63.21	15.54
			<i>For Aluminum Liner, Add</i>	1.35	
			<i>For Stainless Steel Liner, Add</i>	1.83	
			<i>For 2" Wall Instead Of 1", Add</i>	11.21	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	18.76	
23 51 16 00-0011	LF		14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	81.64	16.18
			<i>For Aluminum Liner, Add</i>	2.26	
			<i>For Stainless Steel Liner, Add</i>	3.08	
			<i>For 2" Wall Instead Of 1", Add</i>	16.38	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	26.60	
23 51 16 00-0012	LF		16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	97.79	17.04
			<i>For Aluminum Liner, Add</i>	3.05	
			<i>For Stainless Steel Liner, Add</i>	4.15	
			<i>For 2" Wall Instead Of 1", Add</i>	20.86	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	33.41	
23 51 16 00-0013	LF		18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	116.74	17.88
			<i>For Aluminum Liner, Add</i>	3.94	
			<i>For Stainless Steel Liner, Add</i>	5.37	
			<i>For 2" Wall Instead Of 1", Add</i>	25.98	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	41.24	
23 51 16 00-0014	LF		20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	155.07	28.43
			<i>For Aluminum Liner, Add</i>	4.67	
			<i>For Stainless Steel Liner, Add</i>	6.37	
			<i>For 2" Wall Instead Of 1", Add</i>	32.49	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	52.25	
23 51 16 00-0015	LF		22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	182.86	30.03
			<i>For Aluminum Liner, Add</i>	5.89	
			<i>For Stainless Steel Liner, Add</i>	8.03	
			<i>For 2" Wall Instead Of 1", Add</i>	39.70	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	63.34	
23 51 16 00-0016	LF		24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	212.51	31.94
			<i>For Aluminum Liner, Add</i>	7.26	
			<i>For Stainless Steel Liner, Add</i>	9.90	
			<i>For 2" Wall Instead Of 1", Add</i>	47.66	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	75.51	
23 51 16 00-0017	LF		26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	241.19	33.00
			<i>For Aluminum Liner, Add</i>	8.73	
			<i>For Stainless Steel Liner, Add</i>	11.91	
			<i>For 2" Wall Instead Of 1", Add</i>	55.88	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	87.94	
23 51 16 00-0018	LF		28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	252.24	34.07
			<i>For Aluminum Liner, Add</i>	9.19	
			<i>For Stainless Steel Liner, Add</i>	12.53	
			<i>For 2" Wall Instead Of 1", Add</i>	58.64	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	92.22	
23 51 16 00-0019	LF		30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	268.41	36.52
			<i>For Aluminum Liner, Add</i>	9.75	
			<i>For Stainless Steel Liner, Add</i>	13.29	
			<i>For 2" Wall Instead Of 1", Add</i>	62.29	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	97.99	
23 51 16 00-0020	LF		32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	299.50	37.90
			<i>For Aluminum Liner, Add</i>	11.27	
			<i>For Stainless Steel Liner, Add</i>	15.37	
			<i>For 2" Wall Instead Of 1", Add</i>	70.94	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	111.14	
23 51 16 00-0021	LF		34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	331.75	39.29
			<i>For Aluminum Liner, Add</i>	12.85	
			<i>For Stainless Steel Liner, Add</i>	17.52	
			<i>For 2" Wall Instead Of 1", Add</i>	79.89	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	124.74	
23 51 16 00-0022	LF		36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	348.58	40.88
			<i>For Aluminum Liner, Add</i>	13.56	
			<i>For Stainless Steel Liner, Add</i>	18.49	
			<i>For 2" Wall Instead Of 1", Add</i>	84.16	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	131.34	
23 51 16 00-0023	LF		38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	375.91	42.58
			<i>For Aluminum Liner, Add</i>	14.83	
			<i>For Stainless Steel Liner, Add</i>	20.22	
			<i>For 2" Wall Instead Of 1", Add</i>	91.51	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	142.57	
23 51 16 00-0024	LF		40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	411.07	44.39
			<i>For Aluminum Liner, Add</i>	16.50	
			<i>For Stainless Steel Liner, Add</i>	22.50	
			<i>For 2" Wall Instead Of 1", Add</i>	101.11	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	157.22	
23 51 16 00-0025	LF		42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	430.06	46.42
			<i>For Aluminum Liner, Add</i>	17.26	
			<i>For Stainless Steel Liner, Add</i>	23.54	
			<i>For 2" Wall Instead Of 1", Add</i>	105.78	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	164.48	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0026	LF		44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	472.52	48.65
			For Aluminum Liner, Add	19.29	
			For Stainless Steel Liner, Add	26.31	
			For 2" Wall Instead Of 1", Add	117.41	
			For 3" To 4" Wall Instead Of 1", Add	182.21	
23 51 16 00-0027	LF		46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	510.90	51.11
			For Aluminum Liner, Add	21.07	
			For Stainless Steel Liner, Add	28.73	
			For 2" Wall Instead Of 1", Add	127.71	
			For 3" To 4" Wall Instead Of 1", Add	197.96	
23 51 16 00-0028	LF		48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	558.88	53.76
			For Aluminum Liner, Add	23.36	
			For Stainless Steel Liner, Add	31.85	
			For 2" Wall Instead Of 1", Add	140.82	
			For 3" To 4" Wall Instead Of 1", Add	217.94	
23 51 16 00-0029			90 Degree Elbows (23 51 16 00-0001)		
23 51 16 00-0030	EA		3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	61.25	18.95
			For Aluminum Liner, Add	0.79	
			For Stainless Steel Liner, Add	1.07	
			For 2" Wall Instead Of 1", Add	8.99	
			For 3" To 4" Wall Instead Of 1", Add	15.83	
23 51 16 00-0031	EA		4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	66.80	20.01
			For Aluminum Liner, Add	0.93	
			For Stainless Steel Liner, Add	1.27	
			For 2" Wall Instead Of 1", Add	10.06	
			For 3" To 4" Wall Instead Of 1", Add	17.58	
23 51 16 00-0032	EA		5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	73.15	21.29
			For Aluminum Liner, Add	1.11	
			For Stainless Steel Liner, Add	1.51	
			For 2" Wall Instead Of 1", Add	11.35	
			For 3" To 4" Wall Instead Of 1", Add	19.67	
23 51 16 00-0033	EA		6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	79.74	22.68
			For Aluminum Liner, Add	1.29	
			For Stainless Steel Liner, Add	1.76	
			For 2" Wall Instead Of 1", Add	12.66	
			For 3" To 4" Wall Instead Of 1", Add	21.80	
23 51 16 00-0034	EA		7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	91.68	24.28
			For Aluminum Liner, Add	1.72	
			For Stainless Steel Liner, Add	2.35	
			For 2" Wall Instead Of 1", Add	15.43	
			For 3" To 4" Wall Instead Of 1", Add	26.17	
23 51 16 00-0035	EA		8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	104.72	26.19
			For Aluminum Liner, Add	2.16	
			For Stainless Steel Liner, Add	2.94	
			For 2" Wall Instead Of 1", Add	18.32	
			For 3" To 4" Wall Instead Of 1", Add	30.75	
23 51 16 00-0036	EA		10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	161.42	28.43
			For Aluminum Liner, Add	4.96	
			For Stainless Steel Liner, Add	6.77	
			For 2" Wall Instead Of 1", Add	34.19	
			For 3" To 4" Wall Instead Of 1", Add	54.84	
23 51 16 00-0037	EA		12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	191.17	30.98
			For Aluminum Liner, Add	6.26	
			For Stainless Steel Liner, Add	8.53	
			For 2" Wall Instead Of 1", Add	41.87	
			For 3" To 4" Wall Instead Of 1", Add	66.68	
23 51 16 00-0038	EA		14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	238.45	32.47
			For Aluminum Liner, Add	8.65	
			For Stainless Steel Liner, Add	11.80	
			For 2" Wall Instead Of 1", Add	55.31	
			For 3" To 4" Wall Instead Of 1", Add	87.02	
23 51 16 00-0039	EA		16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	285.89	34.07
			For Aluminum Liner, Add	11.05	
			For Stainless Steel Liner, Add	15.07	
			For 2" Wall Instead Of 1", Add	68.77	
			For 3" To 4" Wall Instead Of 1", Add	107.40	
23 51 16 00-0040	EA		18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	359.68	35.88
			For Aluminum Liner, Add	14.85	
			For Stainless Steel Liner, Add	20.25	
			For 2" Wall Instead Of 1", Add	89.96	
			For 3" To 4" Wall Instead Of 1", Add	139.42	
23 51 16 00-0041	EA		20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	514.77	56.75
			For Aluminum Liner, Add	20.50	
			For Stainless Steel Liner, Add	27.96	
			For 2" Wall Instead Of 1", Add	126.03	
			For 3" To 4" Wall Instead Of 1", Add	196.14	
23 51 16 00-0042	EA		22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	660.44	60.15
			For Aluminum Liner, Add	28.05	
			For Stainless Steel Liner, Add	38.25	
			For 2" Wall Instead Of 1", Add	168.06	
			For 3" To 4" Wall Instead Of 1", Add	259.60	
23 51 16 00-0043	EA		24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	740.54	63.88
			For Aluminum Liner, Add	31.94	
			For Stainless Steel Liner, Add	43.55	
			For 2" Wall Instead Of 1", Add	190.19	
			For 3" To 4" Wall Instead Of 1", Add	293.28	

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

23 51 16 00-0044			45 Degree Elbows (23 51 16 00-0001)		
23 51 16 00-0045	EA		3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	55.51	18.95
			For Aluminum Liner, Add	0.45	
			For Stainless Steel Liner, Add	0.62	
			For 2" Wall Instead Of 1", Add	7.20	
			For 3" To 4" Wall Instead Of 1", Add	13.16	
23 51 16 00-0046	EA		4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	59.85	20.01
			For Aluminum Liner, Add	0.53	
			For Stainless Steel Liner, Add	0.73	
			For 2" Wall Instead Of 1", Add	7.93	
			For 3" To 4" Wall Instead Of 1", Add	14.40	
23 51 16 00-0047	EA		5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	64.68	21.29
			For Aluminum Liner, Add	0.63	
			For Stainless Steel Liner, Add	0.86	
			For 2" Wall Instead Of 1", Add	8.75	
			For 3" To 4" Wall Instead Of 1", Add	15.79	
23 51 16 00-0048	EA		6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	70.45	22.68
			For Aluminum Liner, Add	0.75	
			For Stainless Steel Liner, Add	1.03	
			For 2" Wall Instead Of 1", Add	9.78	
			For 3" To 4" Wall Instead Of 1", Add	17.51	
23 51 16 00-0049	EA		7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	80.43	24.28
			For Aluminum Liner, Add	1.08	
			For Stainless Steel Liner, Add	1.47	
			For 2" Wall Instead Of 1", Add	11.97	
			For 3" To 4" Wall Instead Of 1", Add	20.99	
23 51 16 00-0050	EA		8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	88.04	26.19
			For Aluminum Liner, Add	1.24	
			For Stainless Steel Liner, Add	1.69	
			For 2" Wall Instead Of 1", Add	13.32	
			For 3" To 4" Wall Instead Of 1", Add	23.25	
23 51 16 00-0051	EA		10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	127.40	28.43
			For Aluminum Liner, Add	3.10	
			For Stainless Steel Liner, Add	4.23	
			For 2" Wall Instead Of 1", Add	24.02	
			For 3" To 4" Wall Instead Of 1", Add	39.58	
23 51 16 00-0052	EA		12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	148.52	30.98
			For Aluminum Liner, Add	3.91	
			For Stainless Steel Liner, Add	5.33	
			For 2" Wall Instead Of 1", Add	29.07	
			For 3" To 4" Wall Instead Of 1", Add	47.48	
23 51 16 00-0053	EA		14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	181.19	32.47
			For Aluminum Liner, Add	5.50	
			For Stainless Steel Liner, Add	7.50	
			For 2" Wall Instead Of 1", Add	38.13	
			For 3" To 4" Wall Instead Of 1", Add	61.25	
23 51 16 00-0054	EA		16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	210.69	34.07
			For Aluminum Liner, Add	6.91	
			For Stainless Steel Liner, Add	9.42	
			For 2" Wall Instead Of 1", Add	46.18	
			For 3" To 4" Wall Instead Of 1", Add	73.53	
23 51 16 00-0055	EA		18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	258.36	35.88
			For Aluminum Liner, Add	9.28	
			For Stainless Steel Liner, Add	12.65	
			For 2" Wall Instead Of 1", Add	59.58	
			For 3" To 4" Wall Instead Of 1", Add	93.85	
23 51 16 00-0056	EA		20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	331.87	56.64
			For Aluminum Liner, Add	10.47	
			For Stainless Steel Liner, Add	14.27	
			For 2" Wall Instead Of 1", Add	71.25	
			For 3" To 4" Wall Instead Of 1", Add	113.95	
23 51 16 00-0057	EA		22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	436.80	60.15
			For Aluminum Liner, Add	15.75	
			For Stainless Steel Liner, Add	21.48	
			For 2" Wall Instead Of 1", Add	100.96	
			For 3" To 4" Wall Instead Of 1", Add	158.97	
23 51 16 00-0058	EA		24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	522.53	63.88
			For Aluminum Liner, Add	19.96	
			For Stainless Steel Liner, Add	27.22	
			For 2" Wall Instead Of 1", Add	124.64	
			For 3" To 4" Wall Instead Of 1", Add	195.24	
23 51 16 00-0059	EA		26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	880.96	66.00
			For Aluminum Liner, Add	39.38	
			For Stainless Steel Liner, Add	53.70	
			For 2" Wall Instead Of 1", Add	231.30	
			For 3" To 4" Wall Instead Of 1", Add	355.20	
23 51 16 00-0060	EA		28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	905.90	68.14
			For Aluminum Liner, Add	40.46	
			For Stainless Steel Liner, Add	55.17	
			For 2" Wall Instead Of 1", Add	237.72	
			For 3" To 4" Wall Instead Of 1", Add	365.10	
23 51 16 00-0061	EA		30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	955.79	72.40
			For Aluminum Liner, Add	42.62	
			For Stainless Steel Liner, Add	58.12	
			For 2" Wall Instead Of 1", Add	250.56	
			For 3" To 4" Wall Instead Of 1", Add	384.88	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 51 16 00-0062	EA	32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,059.18	74.53
		<i>For Aluminum Liner, Add</i>	48.01	
		<i>For Stainless Steel Liner, Add</i>	65.47	
		<i>For 2" Wall Instead Of 1", Add</i>	280.52	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	430.08	
23 51 16 00-0063	EA	34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,153.20	78.78
		<i>For Aluminum Liner, Add</i>	52.60	
		<i>For Stainless Steel Liner, Add</i>	71.73	
		<i>For 2" Wall Instead Of 1", Add</i>	306.59	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	469.73	
23 51 16 00-0064	EA	36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,193.67	85.18
		<i>For Aluminum Liner, Add</i>	53.95	
		<i>For Stainless Steel Liner, Add</i>	73.57	
		<i>For 2" Wall Instead Of 1", Add</i>	315.54	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	483.95	
23 51 16 00-0065	EA	38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,274.69	88.15
		<i>For Aluminum Liner, Add</i>	57.99	
		<i>For Stainless Steel Liner, Add</i>	79.08	
		<i>For 2" Wall Instead Of 1", Add</i>	338.36	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	518.55	
23 51 16 00-0066	EA	40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,351.47	89.43
		<i>For Aluminum Liner, Add</i>	62.04	
		<i>For Stainless Steel Liner, Add</i>	84.60	
		<i>For 2" Wall Instead Of 1", Add</i>	360.75	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	552.30	
23 51 16 00-0067	EA	42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,411.13	93.69
		<i>For Aluminum Liner, Add</i>	64.74	
		<i>For Stainless Steel Liner, Add</i>	88.28	
		<i>For 2" Wall Instead Of 1", Add</i>	376.53	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	576.49	
23 51 16 00-0068	EA	44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,495.34	97.95
		<i>For Aluminum Liner, Add</i>	68.78	
		<i>For Stainless Steel Liner, Add</i>	93.80	
		<i>For 2" Wall Instead Of 1", Add</i>	399.66	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	611.73	
23 51 16 00-0069	EA	46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,604.04	102.20
		<i>For Aluminum Liner, Add</i>	74.18	
		<i>For Stainless Steel Liner, Add</i>	101.15	
		<i>For 2" Wall Instead Of 1", Add</i>	430.15	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	657.99	
23 51 16 00-0070	EA	48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,663.74	106.47
		<i>For Aluminum Liner, Add</i>	76.88	
		<i>For Stainless Steel Liner, Add</i>	104.83	
		<i>For 2" Wall Instead Of 1", Add</i>	445.93	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	682.19	
23 51 16 00-0071		Tees <small>(23 51 16 00-0001)</small>		
23 51 16 00-0072	EA	3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	83.29	25.23
		<i>For Aluminum Liner, Add</i>	1.11	
		<i>For Stainless Steel Liner, Add</i>	1.51	
		<i>For 2" Wall Instead Of 1", Add</i>	12.35	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	21.69	
23 51 16 00-0073	EA	4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	86.57	26.19
		<i>For Aluminum Liner, Add</i>	1.16	
		<i>For Stainless Steel Liner, Add</i>	1.58	
		<i>For 2" Wall Instead Of 1", Add</i>	12.88	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	22.59	
23 51 16 00-0074	EA	5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	90.22	27.25
		<i>For Aluminum Liner, Add</i>	1.21	
		<i>For Stainless Steel Liner, Add</i>	1.66	
		<i>For 2" Wall Instead Of 1", Add</i>	13.44	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	23.56	
23 51 16 00-0075	EA	6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	95.53	28.43
		<i>For Aluminum Liner, Add</i>	1.35	
		<i>For Stainless Steel Liner, Add</i>	1.84	
		<i>For 2" Wall Instead Of 1", Add</i>	14.46	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.24	
23 51 16 00-0076	EA	7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	107.94	29.59
		<i>For Aluminum Liner, Add</i>	1.86	
		<i>For Stainless Steel Liner, Add</i>	2.54	
		<i>For 2" Wall Instead Of 1", Add</i>	17.56	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	30.05	
23 51 16 00-0077	EA	8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	114.66	30.98
		<i>For Aluminum Liner, Add</i>	2.05	
		<i>For Stainless Steel Liner, Add</i>	2.80	
		<i>For 2" Wall Instead Of 1", Add</i>	18.92	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	32.25	
23 51 16 00-0078	EA	10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	182.15	32.47
		<i>For Aluminum Liner, Add</i>	5.56	
		<i>For Stainless Steel Liner, Add</i>	7.58	
		<i>For 2" Wall Instead Of 1", Add</i>	38.42	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	61.69	
23 51 16 00-0079	EA	12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	206.77	34.07
		<i>For Aluminum Liner, Add</i>	6.69	
		<i>For Stainless Steel Liner, Add</i>	9.12	
		<i>For 2" Wall Instead Of 1", Add</i>	45.00	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	71.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0080	EA		14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	292.76	37.90
			For Aluminum Liner, Add	10.90	
			For Stainless Steel Liner, Add	14.86	
			For 2" Wall Instead Of 1", Add	68.90	
			For 3" To 4" Wall Instead Of 1", Add	108.09	
23 51 16 00-0081	EA		16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	386.96	42.58
			For Aluminum Liner, Add	15.43	
			For Stainless Steel Liner, Add	21.04	
			For 2" Wall Instead Of 1", Add	94.80	
			For 3" To 4" Wall Instead Of 1", Add	147.52	
23 51 16 00-0082	EA		18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	474.77	48.65
			For Aluminum Liner, Add	19.42	
			For Stainless Steel Liner, Add	26.48	
			For 2" Wall Instead Of 1", Add	118.10	
			For 3" To 4" Wall Instead Of 1", Add	183.23	
23 51 16 00-0083	EA		20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	625.94	60.15
			For Aluminum Liner, Add	26.17	
			For Stainless Steel Liner, Add	35.68	
			For 2" Wall Instead Of 1", Add	157.74	
			For 3" To 4" Wall Instead Of 1", Add	244.12	
23 51 16 00-0084	EA		22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	789.87	78.57
			For Aluminum Liner, Add	32.64	
			For Stainless Steel Liner, Add	44.51	
			For 2" Wall Instead Of 1", Add	197.67	
			For 3" To 4" Wall Instead Of 1", Add	306.33	
23 51 16 00-0085	EA		24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	899.14	83.04
			For Aluminum Liner, Add	38.03	
			For Stainless Steel Liner, Add	51.86	
			For 2" Wall Instead Of 1", Add	228.22	
			For 3" To 4" Wall Instead Of 1", Add	352.71	
23 51 16 00-0086	EA		26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,204.55	89.43
			For Aluminum Liner, Add	53.95	
			For Stainless Steel Liner, Add	73.57	
			For 2" Wall Instead Of 1", Add	316.63	
			For 3" To 4" Wall Instead Of 1", Add	486.13	
23 51 16 00-0087	EA		28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,335.74	92.95
			For Aluminum Liner, Add	60.69	
			For Stainless Steel Liner, Add	82.76	
			For 2" Wall Instead Of 1", Add	354.27	
			For 3" To 4" Wall Instead Of 1", Add	543.02	
23 51 16 00-0088	EA		30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,446.44	97.95
			For Aluminum Liner, Add	66.09	
			For Stainless Steel Liner, Add	90.12	
			For 2" Wall Instead Of 1", Add	384.96	
			For 3" To 4" Wall Instead Of 1", Add	589.68	
23 51 16 00-0089	EA		32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,653.20	102.20
			For Aluminum Liner, Add	76.88	
			For Stainless Steel Liner, Add	104.83	
			For 2" Wall Instead Of 1", Add	444.87	
			For 3" To 4" Wall Instead Of 1", Add	680.08	
23 51 16 00-0090	EA		34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,688.44	106.47
			For Aluminum Liner, Add	78.23	
			For Stainless Steel Liner, Add	106.67	
			For 2" Wall Instead Of 1", Add	453.30	
			For 3" To 4" Wall Instead Of 1", Add	693.26	
23 51 16 00-0091	EA		36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,951.56	113.60
			For Aluminum Liner, Add	91.71	
			For Stainless Steel Liner, Add	125.06	
			For 2" Wall Instead Of 1", Add	528.66	
			For 3" To 4" Wall Instead Of 1", Add	807.19	
23 51 16 00-0092	EA		38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,011.55	127.76
			For Aluminum Liner, Add	93.06	
			For Stainless Steel Liner, Add	126.90	
			For 2" Wall Instead Of 1", Add	539.56	
			For 3" To 4" Wall Instead Of 1", Add	825.32	
23 51 16 00-0093	EA		40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,204.27	146.07
			For Aluminum Liner, Add	101.15	
			For Stainless Steel Liner, Add	137.94	
			For 2" Wall Instead Of 1", Add	588.26	
			For 3" To 4" Wall Instead Of 1", Add	900.64	
23 51 16 00-0094	EA		42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,436.68	170.35
			For Aluminum Liner, Add	110.59	
			For Stainless Steel Liner, Add	150.81	
			For 2" Wall Instead Of 1", Add	645.83	
			For 3" To 4" Wall Instead Of 1", Add	990.04	
23 51 16 00-0095	EA		44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,661.18	191.64
			For Aluminum Liner, Add	120.04	
			For Stainless Steel Liner, Add	163.69	
			For 2" Wall Instead Of 1", Add	702.61	
			For 3" To 4" Wall Instead Of 1", Add	1,077.85	
23 51 16 00-0096	EA		46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,897.90	198.03
			For Aluminum Liner, Add	132.17	
			For Stainless Steel Liner, Add	180.24	
			For 2" Wall Instead Of 1", Add	770.42	
			For 3" To 4" Wall Instead Of 1", Add	1,180.37	
23 51 16 00-0097	EA		48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,061.17	204.42
			For Aluminum Liner, Add	140.27	
			For Stainless Steel Liner, Add	191.27	
			For 2" Wall Instead Of 1", Add	816.18	
			For 3" To 4" Wall Instead Of 1", Add	1,249.81	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0098			Vent Top Caps (23 51 16 00-0001)		
23 51 16 00-0099	EA		3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	44.63	14.80
			For Aluminum Liner, Add	0.42	
			For Stainless Steel Liner, Add	0.57	
			For 2" Wall Instead Of 1", Add	5.98	
			For 3" To 4" Wall Instead Of 1", Add	10.83	
23 51 16 00-0100	EA		4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	46.74	15.54
			For Aluminum Liner, Add	0.44	
			For Stainless Steel Liner, Add	0.60	
			For 2" Wall Instead Of 1", Add	6.27	
			For 3" To 4" Wall Instead Of 1", Add	11.35	
23 51 16 00-0101	EA		6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	56.46	17.04
			For Aluminum Liner, Add	0.76	
			For Stainless Steel Liner, Add	1.04	
			For 2" Wall Instead Of 1", Add	8.42	
			For 3" To 4" Wall Instead Of 1", Add	14.76	
23 51 16 00-0102	EA		8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	61.15	18.95
			For Aluminum Liner, Add	0.76	
			For Stainless Steel Liner, Add	1.04	
			For 2" Wall Instead Of 1", Add	8.89	
			For 3" To 4" Wall Instead Of 1", Add	15.70	
23 51 16 00-0103	EA		10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	70.49	20.01
			For Aluminum Liner, Add	1.12	
			For Stainless Steel Liner, Add	1.53	
			For 2" Wall Instead Of 1", Add	11.14	
			For 3" To 4" Wall Instead Of 1", Add	19.21	
23 51 16 00-0104	EA		12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	80.20	21.29
			For Aluminum Liner, Add	1.48	
			For Stainless Steel Liner, Add	2.02	
			For 2" Wall Instead Of 1", Add	13.41	
			For 3" To 4" Wall Instead Of 1", Add	22.78	
23 51 16 00-0105	EA		16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	155.46	24.28
			For Aluminum Liner, Add	5.21	
			For Stainless Steel Liner, Add	7.10	
			For 2" Wall Instead Of 1", Add	34.48	
			For 3" To 4" Wall Instead Of 1", Add	54.76	
23 51 16 00-0106	EA		18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	270.24	30.45
			For Aluminum Liner, Add	10.68	
			For Stainless Steel Liner, Add	14.57	
			For 2" Wall Instead Of 1", Add	65.87	
			For 3" To 4" Wall Instead Of 1", Add	102.60	
23 51 16 00-0107	EA		20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	473.79	36.52
			For Aluminum Liner, Add	21.04	
			For Stainless Steel Liner, Add	28.69	
			For 2" Wall Instead Of 1", Add	123.89	
			For 3" To 4" Wall Instead Of 1", Add	190.39	
23 51 16 00-0108	EA		24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	775.16	51.11
			For Aluminum Liner, Add	35.61	
			For Stainless Steel Liner, Add	48.55	
			For 2" Wall Instead Of 1", Add	206.99	
			For 3" To 4" Wall Instead Of 1", Add	316.88	
23 51 16 00-0109	EA		26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,115.30	53.76
			For Aluminum Liner, Add	53.95	
			For Stainless Steel Liner, Add	73.57	
			For 2" Wall Instead Of 1", Add	307.71	
			For 3" To 4" Wall Instead Of 1", Add	468.28	
23 51 16 00-0110	EA		28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,245.44	56.75
			For Aluminum Liner, Add	60.69	
			For Stainless Steel Liner, Add	82.76	
			For 2" Wall Instead Of 1", Add	345.24	
			For 3" To 4" Wall Instead Of 1", Add	524.96	
23 51 16 00-0111	EA		30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,401.01	60.15
			For Aluminum Liner, Add	68.78	
			For Stainless Steel Liner, Add	93.80	
			For 2" Wall Instead Of 1", Add	390.23	
			For 3" To 4" Wall Instead Of 1", Add	592.86	
23 51 16 00-0112	EA		32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,483.96	63.88
			For Aluminum Liner, Add	72.83	
			For Stainless Steel Liner, Add	99.31	
			For 2" Wall Instead Of 1", Add	413.23	
			For 3" To 4" Wall Instead Of 1", Add	627.84	
23 51 16 00-0113	EA		34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,568.16	68.14
			For Aluminum Liner, Add	76.88	
			For Stainless Steel Liner, Add	104.83	
			For 2" Wall Instead Of 1", Add	436.37	
			For 3" To 4" Wall Instead Of 1", Add	663.07	
23 51 16 00-0114	EA		36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,678.28	73.03
			For Aluminum Liner, Add	82.27	
			For Stainless Steel Liner, Add	112.19	
			For 2" Wall Instead Of 1", Add	467.00	
			For 3" To 4" Wall Instead Of 1", Add	709.62	

23 51 16 00-0115 Wall Thimbles (23 51 16 00-0001)

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 51 16 00-0116	EA	3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	20.77	7.98
		For Aluminum Liner, Add	0.05	
		For Stainless Steel Liner, Add	0.07	
		For 2" Wall Instead Of 1", Add	2.25	
		For 3" To 4" Wall Instead Of 1", Add	4.37	
23 51 16 00-0117	EA	4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	26.55	10.22
		For Aluminum Liner, Add	0.05	
		For Stainless Steel Liner, Add	0.07	
		For 2" Wall Instead Of 1", Add	2.84	
		For 3" To 4" Wall Instead Of 1", Add	5.54	
23 51 16 00-0118	EA	5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	35.44	13.73
		For Aluminum Liner, Add	0.06	
		For Stainless Steel Liner, Add	0.08	
		For 2" Wall Instead Of 1", Add	3.76	
		For 3" To 4" Wall Instead Of 1", Add	7.36	
23 51 16 00-0119	EA	7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	44.14	17.04
		For Aluminum Liner, Add	0.09	
		For Stainless Steel Liner, Add	0.12	
		For 2" Wall Instead Of 1", Add	4.73	
		For 3" To 4" Wall Instead Of 1", Add	9.22	
23 51 16 00-0120	EA	10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	61.51	23.00
		For Aluminum Liner, Add	0.22	
		For Stainless Steel Liner, Add	0.30	
		For 2" Wall Instead Of 1", Add	6.96	
		For 3" To 4" Wall Instead Of 1", Add	13.31	
23 51 16 00-0121	EA	12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	77.02	28.53
		For Aluminum Liner, Add	0.31	
		For Stainless Steel Liner, Add	0.43	
		For 2" Wall Instead Of 1", Add	8.84	
		For 3" To 4" Wall Instead Of 1", Add	16.83	
23 51 16 00-0122	EA	14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	94.82	34.07
		For Aluminum Liner, Add	0.53	
		For Stainless Steel Liner, Add	0.72	
		For 2" Wall Instead Of 1", Add	11.41	
		For 3" To 4" Wall Instead Of 1", Add	21.37	
23 51 16 00-0123	EA	18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	118.40	40.46
		For Aluminum Liner, Add	0.95	
		For Stainless Steel Liner, Add	1.29	
		For 2" Wall Instead Of 1", Add	15.29	
		For 3" To 4" Wall Instead Of 1", Add	28.00	
23 51 16 00-0124	EA	22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	146.48	44.71
		For Aluminum Liner, Add	1.91	
		For Stainless Steel Liner, Add	2.60	
		For 2" Wall Instead Of 1", Add	21.59	
		For 3" To 4" Wall Instead Of 1", Add	37.97	
23 51 16 00-0125 Adjustable Roof Flashing <small>(23 51 16 00-0001)</small>				
23 51 16 00-0126	EA	3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	52.92	18.95
		For Aluminum Liner, Add	0.31	
		For Stainless Steel Liner, Add	0.42	
		For 2" Wall Instead Of 1", Add	6.42	
		For 3" To 4" Wall Instead Of 1", Add	11.99	
23 51 16 00-0127	EA	4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	57.39	20.01
		For Aluminum Liner, Add	0.40	
		For Stainless Steel Liner, Add	0.54	
		For 2" Wall Instead Of 1", Add	7.19	
		For 3" To 4" Wall Instead Of 1", Add	13.29	
23 51 16 00-0128	EA	6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	68.90	22.68
		For Aluminum Liner, Add	0.67	
		For Stainless Steel Liner, Add	0.91	
		For 2" Wall Instead Of 1", Add	9.32	
		For 3" To 4" Wall Instead Of 1", Add	16.82	
23 51 16 00-0129	EA	8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	82.11	26.19
		For Aluminum Liner, Add	0.91	
		For Stainless Steel Liner, Add	1.25	
		For 2" Wall Instead Of 1", Add	11.54	
		For 3" To 4" Wall Instead Of 1", Add	20.58	
23 51 16 00-0130	EA	10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	116.62	28.43
		For Aluminum Liner, Add	2.51	
		For Stainless Steel Liner, Add	3.42	
		For 2" Wall Instead Of 1", Add	20.78	
		For 3" To 4" Wall Instead Of 1", Add	34.73	
23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	135.26	30.98
		For Aluminum Liner, Add	3.18	
		For Stainless Steel Liner, Add	4.34	
		For 2" Wall Instead Of 1", Add	25.10	
		For 3" To 4" Wall Instead Of 1", Add	41.52	
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	156.29	34.07
		For Aluminum Liner, Add	3.91	
		For Stainless Steel Liner, Add	5.33	
		For 2" Wall Instead Of 1", Add	29.85	
		For 3" To 4" Wall Instead Of 1", Add	49.04	
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	183.04	37.90
		For Aluminum Liner, Add	4.86	
		For Stainless Steel Liner, Add	6.62	
		For 2" Wall Instead Of 1", Add	35.96	
		For 3" To 4" Wall Instead Of 1", Add	58.68	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 51 16 00-0134	EA 18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	258.55	42.58
	For Aluminum Liner, Add	8.36	
	For Stainless Steel Liner, Add	11.40	
	For 2" Wall Instead Of 1", Add	56.26	
	For 3" To 4" Wall Instead Of 1", Add	89.72	
23 51 16 00-0135	EA 20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	296.93	56.75
	For Aluminum Liner, Add	8.52	
	For Stainless Steel Liner, Add	11.62	
	For 2" Wall Instead Of 1", Add	60.69	
	For 3" To 4" Wall Instead Of 1", Add	98.13	
23 51 16 00-0136	EA 22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	378.73	73.03
	For Aluminum Liner, Add	10.79	
	For Stainless Steel Liner, Add	14.71	
	For 2" Wall Instead Of 1", Add	77.11	
	For 3" To 4" Wall Instead Of 1", Add	124.79	
23 51 16 00-0137	EA 24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	448.34	85.18
	For Aluminum Liner, Add	12.95	
	For Stainless Steel Liner, Add	17.66	
	For 2" Wall Instead Of 1", Add	91.92	
	For 3" To 4" Wall Instead Of 1", Add	148.52	
23 51 16 00-0138	Galvanized Storm Collars (23 51 16 00-0001)		
23 51 16 00-0139	EA 3" Round Galvanized Storm Collar, Double Wall	21.53	7.98
	For Aluminum Liner, Add	0.09	
	For Stainless Steel Liner, Add	0.12	
	For 2" Wall Instead Of 1", Add	2.48	
	For 3" To 4" Wall Instead Of 1", Add	4.71	
23 51 16 00-0140	EA 4" Round Galvanized Storm Collar, Double Wall	27.42	10.22
	For Aluminum Liner, Add	0.10	
	For Stainless Steel Liner, Add	0.14	
	For 2" Wall Instead Of 1", Add	3.12	
	For 3" To 4" Wall Instead Of 1", Add	5.95	
23 51 16 00-0141	EA 5" Round Galvanized Storm Collar, Double Wall	32.14	11.92
	For Aluminum Liner, Add	0.13	
	For Stainless Steel Liner, Add	0.17	
	For 2" Wall Instead Of 1", Add	3.68	
	For 3" To 4" Wall Instead Of 1", Add	7.01	
23 51 16 00-0142	EA 6" Round Galvanized Storm Collar, Double Wall	36.86	13.63
	For Aluminum Liner, Add	0.15	
	For Stainless Steel Liner, Add	0.21	
	For 2" Wall Instead Of 1", Add	4.24	
	For 3" To 4" Wall Instead Of 1", Add	8.07	
23 51 16 00-0143	EA 7" Or 8" Round Galvanized Storm Collar, Double Wall	46.30	17.04
	For Aluminum Liner, Add	0.20	
	For Stainless Steel Liner, Add	0.28	
	For 2" Wall Instead Of 1", Add	5.37	
	For 3" To 4" Wall Instead Of 1", Add	10.19	
23 51 16 00-0144	EA 10" Round Galvanized Storm Collar, Double Wall	63.32	23.00
	For Aluminum Liner, Add	0.32	
	For Stainless Steel Liner, Add	0.44	
	For 2" Wall Instead Of 1", Add	7.50	
	For 3" To 4" Wall Instead Of 1", Add	14.12	
23 51 16 00-0145	EA 12" Round Galvanized Storm Collar, Double Wall	78.34	28.53
	For Aluminum Liner, Add	0.39	
	For Stainless Steel Liner, Add	0.53	
	For 2" Wall Instead Of 1", Add	9.23	
	For 3" To 4" Wall Instead Of 1", Add	17.42	
23 51 16 00-0146	EA 14" Or 16" Round Galvanized Storm Collar, Double Wall	97.04	34.07
	For Aluminum Liner, Add	0.65	
	For Stainless Steel Liner, Add	0.89	
	For 2" Wall Instead Of 1", Add	12.08	
	For 3" To 4" Wall Instead Of 1", Add	22.38	
23 51 16 00-0147	EA 18" Or 20" Round Galvanized Storm Collar, Double Wall	122.63	40.46
	For Aluminum Liner, Add	1.18	
	For Stainless Steel Liner, Add	1.61	
	For 2" Wall Instead Of 1", Add	16.56	
	For 3" To 4" Wall Instead Of 1", Add	29.90	
23 51 16 00-0148	EA 22" Or 24" Round Galvanized Storm Collar, Double Wall	157.05	44.71
	For Aluminum Liner, Add	2.49	
	For Stainless Steel Liner, Add	3.40	
	For 2" Wall Instead Of 1", Add	24.76	
	For 3" To 4" Wall Instead Of 1", Add	42.73	
23 51 16 00-0149	Oval Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0150	Oval Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0149)		
23 51 16 00-0151	LF 4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	32.05	10.01
	For 2" Wall Instead Of 1", Add	4.61	
	For 3" To 4" Wall Instead Of 1", Add	8.17	
23 51 16 00-0152	LF 5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	34.77	10.65
	For 2" Wall Instead Of 1", Add	5.15	
	For 3" To 4" Wall Instead Of 1", Add	9.04	
23 51 16 00-0153	LF 6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	38.10	11.39
	For 2" Wall Instead Of 1", Add	5.75	
	For 3" To 4" Wall Instead Of 1", Add	10.04	
23 51 16 00-0154	45 Degree Elbows (23 51 16 00-0149)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0155	EA		4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	68.78	20.76
			<i>For 2" Wall Instead Of 1", Add</i>	10.25	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	17.97	
23 51 16 00-0156	EA		5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	80.31	24.28
			<i>For 2" Wall Instead Of 1", Add</i>	11.96	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	20.97	
23 51 16 00-0157	EA		6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	93.84	27.46
			<i>For 2" Wall Instead Of 1", Add</i>	14.41	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.06	
23 51 16 00-0158	EA		4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	69.62	20.76
			<i>For 2" Wall Instead Of 1", Add</i>	10.50	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	18.35	
23 51 16 00-0159	EA		5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	82.35	24.28
			<i>For 2" Wall Instead Of 1", Add</i>	12.57	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	21.89	
23 51 16 00-0160	EA		6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	95.17	27.46
			<i>For 2" Wall Instead Of 1", Add</i>	14.81	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.65	
23 51 16 00-0161			Tees <small>(23 51 16 00-0149)</small>		
23 51 16 00-0162	EA		4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe.....	110.99	31.51
			<i>For 2" Wall Instead Of 1", Add</i>	17.53	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	30.23	
23 51 16 00-0163	EA		4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe.....	112.32	31.51
			<i>For 2" Wall Instead Of 1", Add</i>	17.92	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	30.83	
23 51 16 00-0164	EA		5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe.....	129.01	36.20
			<i>For 2" Wall Instead Of 1", Add</i>	20.60	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	35.43	
23 51 16 00-0165	EA		6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe.....	146.53	40.56
			<i>For 2" Wall Instead Of 1", Add</i>	23.68	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	40.59	
23 51 16 00-0166			Tops/Caps And Adjustable Flashing <small>(23 51 16 00-0149)</small>		
23 51 16 00-0167	EA		4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe.....	40.21	10.22
			<i>For 2" Wall Instead Of 1", Add</i>	6.93	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	11.68	
23 51 16 00-0168	EA		6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe.....	59.92	13.73
			<i>For 2" Wall Instead Of 1", Add</i>	11.11	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	18.38	
23 51 16 00-0169	EA		4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	35.04	10.22
			<i>For 2" Wall Instead Of 1", Add</i>	5.38	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.36	
23 51 16 00-0170	EA		6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	55.04	13.73
			<i>For 2" Wall Instead Of 1", Add</i>	9.64	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.18	
23 51 16 00-0171			Storm Collars <small>(23 51 16 00-0149)</small>		
23 51 16 00-0172	EA		4" Oval Galvanized Storm Collar, Double Wall.....	27.42	10.22
			<i>For 2" Wall Instead Of 1", Add</i>	3.12	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	5.95	
23 51 16 00-0173	EA		5" Oval Galvanized Storm Collar, Double Wall.....	32.14	11.92
			<i>For 2" Wall Instead Of 1", Add</i>	3.68	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.01	
23 51 16 00-0174	EA		6" Oval Galvanized Storm Collar, Double Wall.....	36.86	13.63
			<i>For 2" Wall Instead Of 1", Add</i>	4.24	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.07	
23 51 16 00-0175			Round Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small>		
			Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0176			Round Double Wall Flue/Vent Pipe <small>(23 51 16 00-0175)</small>		
			Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177	LF		6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	88.08	11.39
			<i>For 316 Stainless Steel, Add</i>	9.54	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	5.96	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	11.93	
23 51 16 00-0178	LF		8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	105.59	13.10
			<i>For 316 Stainless Steel, Add</i>	11.65	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	7.28	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	14.56	
23 51 16 00-0179	LF		10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	117.01	14.16
			<i>For 316 Stainless Steel, Add</i>	13.05	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	8.16	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	16.31	
23 51 16 00-0180	LF		12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	131.67	15.44
			<i>For 316 Stainless Steel, Add</i>	14.88	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	9.30	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	18.59	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 51 16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel			
		Outer Jacket	147.57		16.18
		For 316 Stainless Steel, Add	17.12		
		For 2" Insulated Wall Instead Of 1" Thickness, Add	10.70		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	21.40		
23 51 16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel			
		Outer Jacket	155.80		17.04
		For 316 Stainless Steel, Add	18.10		
		For 2" Insulated Wall Instead Of 1" Thickness, Add	11.31		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	22.63		
23 51 16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel			
		Outer Jacket	172.05		17.99
		For 316 Stainless Steel, Add	20.35		
		For 2" Insulated Wall Instead Of 1" Thickness, Add	12.72		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	25.43		
23 51 16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel			
		Outer Jacket	216.60		28.43
		For 316 Stainless Steel, Add	23.29		
		For 2" Insulated Wall Instead Of 1" Thickness, Add	14.56		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	29.12		
23 51 16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel			
		Outer Jacket	267.56		31.94
		For 316 Stainless Steel, Add	30.03		
		For 2" Insulated Wall Instead Of 1" Thickness, Add	18.77		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	37.54		
23 51 16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel			
		Outer Jacket	300.88		34.07
		For 316 Stainless Steel, Add	34.52		
		For 2" Insulated Wall Instead Of 1" Thickness, Add	21.58		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	43.15		
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel			
		Outer Jacket	336.60		37.80
		For 316 Stainless Steel, Add	38.73		
		For 2" Insulated Wall Instead Of 1" Thickness, Add	24.21		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	48.41		
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel			
		Outer Jacket	373.96		40.88
		For 316 Stainless Steel, Add	43.50		
		For 2" Insulated Wall Instead Of 1" Thickness, Add	27.19		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	54.38		
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel			
		Outer Jacket	426.88		46.52
		For 316 Stainless Steel, Add	49.68		
		For 2" Insulated Wall Instead Of 1" Thickness, Add	31.05		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	62.09		
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel			
		Outer Jacket	499.53		53.87
		For 316 Stainless Steel, Add	58.38		
		For 2" Insulated Wall Instead Of 1" Thickness, Add	36.49		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	72.97		
23 51 16 00-0191		90 Degree Elbows <small>(23 51 16 00-0175)</small>			
23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	397.33		23.53
		For 316 Stainless Steel, Add	67.71		
		For 2" Insulated Wall Instead Of 1" Thickness, Add	33.85		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	67.71		
23 51 16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	439.09		26.19
		For 316 Stainless Steel, Add	74.72		
		For 2" Insulated Wall Instead Of 1" Thickness, Add	37.36		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	74.72		
23 51 16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	499.05		28.43
		For 316 Stainless Steel, Add	85.60		
		For 2" Insulated Wall Instead Of 1" Thickness, Add	42.80		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	85.60		
23 51 16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	563.29		30.98
		For 316 Stainless Steel, Add	97.18		
		For 2" Insulated Wall Instead Of 1" Thickness, Add	48.59		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	97.18		
23 51 16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	651.21		32.47
		For 316 Stainless Steel, Add	114.02		
		For 2" Insulated Wall Instead Of 1" Thickness, Add	57.01		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	114.02		
23 51 16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	716.63		34.07
		For 316 Stainless Steel, Add	126.29		
		For 2" Insulated Wall Instead Of 1" Thickness, Add	63.15		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	126.29		
23 51 16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	826.35		35.88
		For 316 Stainless Steel, Add	147.34		
		For 2" Insulated Wall Instead Of 1" Thickness, Add	73.67		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	147.34		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0199	EA		20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	966.38	56.75
			<i>For 316 Stainless Steel, Add</i>	164.88	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	82.44	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	164.88	
23 51 16 00-0200	EA		24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,185.83	63.88
			<i>For 316 Stainless Steel, Add</i>	205.23	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	102.61	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	205.23	
23 51 16 00-0201	EA		28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,433.30	68.14
			<i>For 316 Stainless Steel, Add</i>	252.59	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	126.30	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	252.59	
23 51 16 00-0202	EA		32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,883.91	72.93
			<i>For 316 Stainless Steel, Add</i>	340.29	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	170.15	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	340.29	
23 51 16 00-0203	EA		36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,142.43	85.18
			<i>For 316 Stainless Steel, Add</i>	385.90	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	192.95	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	385.90	
23 51 16 00-0204	EA		42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,126.48	92.95
			<i>For 316 Stainless Steel, Add</i>	578.85	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	289.43	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	578.85	
23 51 16 00-0205	EA		48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,895.26	102.20
			<i>For 316 Stainless Steel, Add</i>	727.95	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	363.97	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	727.95	
23 51 16 00-0206			45 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0207	EA		6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	269.00	22.68
			<i>For 316 Stainless Steel, Add</i>	42.45	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	21.23	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	42.45	
23 51 16 00-0208	EA		8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	307.53	26.19
			<i>For 316 Stainless Steel, Add</i>	48.41	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	24.21	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	48.41	
23 51 16 00-0209	EA		10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	341.15	28.43
			<i>For 316 Stainless Steel, Add</i>	54.03	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	27.01	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	54.03	
23 51 16 00-0210	EA		12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	387.88	30.98
			<i>For 316 Stainless Steel, Add</i>	62.09	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	31.05	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	62.09	
23 51 16 00-0211	EA		14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	435.46	32.47
			<i>For 316 Stainless Steel, Add</i>	70.87	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	35.43	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	70.87	
23 51 16 00-0212	EA		16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	486.85	34.07
			<i>For 316 Stainless Steel, Add</i>	80.34	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	40.17	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	80.34	
23 51 16 00-0213	EA		18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	543.94	35.88
			<i>For 316 Stainless Steel, Add</i>	90.86	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	45.43	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	90.86	
23 51 16 00-0214	EA		20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	661.18	56.75
			<i>For 316 Stainless Steel, Add</i>	103.84	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	51.92	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	103.84	
23 51 16 00-0215	EA		24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	826.26	63.88
			<i>For 316 Stainless Steel, Add</i>	133.31	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	66.66	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	133.31	
23 51 16 00-0216	EA		28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	924.61	68.14
			<i>For 316 Stainless Steel, Add</i>	150.85	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	75.43	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	150.85	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, And Stacks



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0217	EA		32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,191.04	72.93
			<i>For 316 Stainless Steel, Add</i>	201.72	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	100.86	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	201.72	
23 51 16 00-0218	EA		36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,572.35	85.18
			<i>For 316 Stainless Steel, Add</i>	271.88	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	135.94	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	271.88	
23 51 16 00-0219	EA		42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,074.03	92.95
			<i>For 316 Stainless Steel, Add</i>	368.36	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	184.18	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	368.36	
23 51 16 00-0220	EA		48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,755.12	102.20
			<i>For 316 Stainless Steel, Add</i>	499.92	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	249.96	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	499.92	
23 51 16 00-0221			Tees <small>(23 51 16 00-0175)</small>		
23 51 16 00-0222	EA		6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	293.82	28.43
			<i>For 316 Stainless Steel, Add</i>	49.01	
			<i>For Tee Cap, Add</i>	69.42	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	22.28	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	44.55	
23 51 16 00-0223	EA		8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	333.51	30.98
			<i>For 316 Stainless Steel, Add</i>	56.34	
			<i>For Tee Cap, Add</i>	78.31	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	25.61	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	51.22	
23 51 16 00-0224	EA		10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	381.05	32.47
			<i>For 316 Stainless Steel, Add</i>	65.99	
			<i>For Tee Cap, Add</i>	88.38	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	30.00	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	59.99	
23 51 16 00-0225	EA		12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	435.97	34.07
			<i>For 316 Stainless Steel, Add</i>	77.18	
			<i>For Tee Cap, Add</i>	99.97	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	35.08	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	70.16	
23 51 16 00-0226	EA		14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	508.61	37.90
			<i>For 316 Stainless Steel, Add</i>	91.07	
			<i>For Tee Cap, Add</i>	115.92	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	41.40	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	82.79	
23 51 16 00-0227	EA		16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	571.23	42.58
			<i>For 316 Stainless Steel, Add</i>	102.26	
			<i>For Tee Cap, Add</i>	130.21	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	46.48	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	92.97	
23 51 16 00-0228	EA		18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	665.35	48.65
			<i>For 316 Stainless Steel, Add</i>	119.63	
			<i>For Tee Cap, Add</i>	151.31	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	54.38	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	108.75	
23 51 16 00-0229	EA		20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	764.23	60.15
			<i>For 316 Stainless Steel, Add</i>	135.06	
			<i>For Tee Cap, Add</i>	175.39	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	61.39	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	122.79	
23 51 16 00-0230	EA		24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	975.96	85.18
			<i>For 316 Stainless Steel, Add</i>	167.87	
			<i>For Tee Cap, Add</i>	227.13	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	76.30	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	152.61	
23 51 16 00-0231	EA		28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,179.44	92.95
			<i>For 316 Stainless Steel, Add</i>	208.39	
			<i>For Tee Cap, Add</i>	270.72	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	94.72	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	189.44	
23 51 16 00-0232	EA		32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,553.55	102.20
			<i>For 316 Stainless Steel, Add</i>	285.57	
			<i>For Tee Cap, Add</i>	349.04	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	129.80	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	259.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0233	EA		36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,731.19	113.60
			<i>For 316 Stainless Steel, Add</i>	318.37	
			<i>For Tee Cap, Add</i>	388.85	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	144.71	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	289.43	
23 51 16 00-0234	EA		42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,750.04	170.35
			<i>For 316 Stainless Steel, Add</i>	511.32	
			<i>For Tee Cap, Add</i>	613.89	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	232.42	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	464.83	
23 51 16 00-0235	EA		48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,449.18	204.42
			<i>For 316 Stainless Steel, Add</i>	646.38	
			<i>For Tee Cap, Add</i>	766.50	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	293.81	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	587.62	
23 51 16 00-0236			Bellows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0237	EA		6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	537.37	22.68
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	48.06	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	96.12	
23 51 16 00-0238	EA		8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	586.44	26.19
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	52.10	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	104.19	
23 51 16 00-0239	EA		10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	641.13	28.43
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	57.01	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	114.02	
23 51 16 00-0240	EA		12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	708.88	30.98
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	63.15	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	126.29	
23 51 16 00-0241	EA		14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	791.54	32.47
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	71.04	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	142.08	
23 51 16 00-0242	EA		16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	874.50	34.07
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	78.93	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	157.87	
23 51 16 00-0243	EA		18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	975.45	35.88
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	88.58	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	177.16	
23 51 16 00-0244	EA		20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,141.78	56.75
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	99.98	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	199.97	
23 51 16 00-0245	EA		24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,405.12	63.88
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	124.54	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	249.08	
23 51 16 00-0246	EA		28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,573.65	68.14
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	140.33	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	280.66	
23 51 16 00-0247	EA		32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,796.32	73.03
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	161.38	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	322.75	
23 51 16 00-0248	EA		36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,054.75	85.18
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	184.18	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	368.36	
23 51 16 00-0249	EA		42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,600.28	92.95
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	236.80	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	473.61	
23 51 16 00-0250	EA		48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,149.79	102.20
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	289.43	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	578.85	
23 51 16 00-0251			Ventilated Roof Thimbles <small>(23 51 16 00-0175)</small>		
23 51 16 00-0252	EA		6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	363.71	26.19
			<i>For 316 Stainless Steel, Add</i>	29.82	
23 51 16 00-0253	EA		8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	396.66	30.98
			<i>For 316 Stainless Steel, Add</i>	31.93	
23 51 16 00-0254	EA		10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	434.20	34.07
			<i>For 316 Stainless Steel, Add</i>	34.91	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	470.08	37.90
		<i>For 316 Stainless Steel, Add</i>	37.54	
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	593.12	40.14
		<i>For 316 Stainless Steel, Add</i>	49.29	
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	534.45	42.58
		<i>For 316 Stainless Steel, Add</i>	42.80	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	574.94	45.46
		<i>For 316 Stainless Steel, Add</i>	46.13	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	654.36	63.88
		<i>For 316 Stainless Steel, Add</i>	49.47	
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	734.85	72.93
		<i>For 316 Stainless Steel, Add</i>	55.25	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	836.68	78.57
		<i>For 316 Stainless Steel, Add</i>	64.02	
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	931.97	85.06
		<i>For 316 Stainless Steel, Add</i>	71.92	
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,044.70	102.10
		<i>For 316 Stainless Steel, Add</i>	78.93	
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,327.48	113.49
		<i>For 316 Stainless Steel, Add</i>	104.37	
23 51 16 00-0265	EA	48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,634.75	127.66
		<i>For 316 Stainless Steel, Add</i>	131.56	
23 51 16 00-0266		Exit Cones <small>(23 51 16 00-0175)</small>		
23 51 16 00-0267	EA	6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	249.32	14.80
23 51 16 00-0268	EA	8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	263.34	16.18
23 51 16 00-0269	EA	10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	282.89	17.04
23 51 16 00-0270	EA	12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	295.66	17.88
23 51 16 00-0271	EA	14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	324.92	18.42
23 51 16 00-0272	EA	16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	354.20	18.85
23 51 16 00-0273	EA	18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	427.50	19.48
23 51 16 00-0274	EA	20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	542.07	36.52
23 51 16 00-0275	EA	24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	677.11	39.29
23 51 16 00-0276	EA	28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	803.85	40.88
23 51 16 00-0277	EA	32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	983.53	42.58
23 51 16 00-0278	EA	36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,116.02	46.52
23 51 16 00-0279	EA	42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,402.21	48.65
23 51 16 00-0280	EA	48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,785.40	51.11
23 51 16 00-0281		Vent Top Caps <small>(23 51 16 00-0175)</small>		
23 51 16 00-0282	EA	6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	272.03	14.80
23 51 16 00-0283	EA	8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	314.21	16.18
23 51 16 00-0284	EA	10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	363.55	17.04
23 51 16 00-0285	EA	12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	416.66	17.88
23 51 16 00-0286	EA	14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	484.50	18.42
23 51 16 00-0287	EA	16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	548.97	18.95
23 51 16 00-0288	EA	18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	609.97	19.48
23 51 16 00-0289	EA	20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	740.18	36.52
23 51 16 00-0290	EA	24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	878.82	39.29
23 51 16 00-0291	EA	28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	952.89	40.88
23 51 16 00-0292	EA	32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,079.93	42.58

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0293	EA	36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,256.22	46.42
23 51 16 00-0294	EA	42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,524.92	48.65
23 51 16 00-0295	EA	48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,767.78	51.11
23 51 16 00-0296		Roof Support Assemblies <small>(23 51 16 00-0175)</small>		
23 51 16 00-0297	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	413.61	27.25
		<i>For 316 Stainless Steel, Add</i>	69.11	
23 51 16 00-0298	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	458.26	32.47
		<i>For 316 Stainless Steel, Add</i>	75.43	
23 51 16 00-0299	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	503.55	35.88
		<i>For 316 Stainless Steel, Add</i>	82.79	
23 51 16 00-0300	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	538.65	40.03
		<i>For 316 Stainless Steel, Add</i>	87.70	
23 51 16 00-0301	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	599.37	42.58
		<i>For 316 Stainless Steel, Add</i>	98.58	
23 51 16 00-0302	EA	16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	636.30	45.46
		<i>For 316 Stainless Steel, Add</i>	104.54	
23 51 16 00-0303	EA	18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	683.10	48.76
		<i>For 316 Stainless Steel, Add</i>	112.26	
23 51 16 00-0304	EA	20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	766.74	68.14
		<i>For 316 Stainless Steel, Add</i>	119.28	
23 51 16 00-0305	EA	24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	863.14	78.68
		<i>For 316 Stainless Steel, Add</i>	133.31	
23 51 16 00-0306	EA	28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	993.50	85.18
		<i>For 316 Stainless Steel, Add</i>	156.11	
23 51 16 00-0307	EA	32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,179.46	92.95
		<i>For 316 Stainless Steel, Add</i>	189.44	
23 51 16 00-0308	EA	36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,371.60	113.60
		<i>For 316 Stainless Steel, Add</i>	217.51	
23 51 16 00-0309	EA	42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,020.84	127.76
		<i>For 316 Stainless Steel, Add</i>	340.29	
23 51 16 00-0310	EA	48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,468.03	145.22
		<i>For 316 Stainless Steel, Add</i>	420.98	
23 51 16 00-0311		Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small>		
		Note: With 1" insulation.		
23 51 16 00-0312		Round Stainless Steel Double Wall Flue/Vent Pipe <small>(23 51 16 00-0311)</small>		
		Note: With 1" insulation.		
23 51 16 00-0313	LF	6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	77.55	11.39
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	4.91	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	9.82	
23 51 16 00-0314	LF	7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	93.59	12.13
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	6.32	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	12.63	
23 51 16 00-0315	LF	8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	106.47	13.10
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	7.37	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	14.73	
23 51 16 00-0316	LF	10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	142.39	14.16
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	10.70	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	21.40	
23 51 16 00-0317	LF	12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	182.59	15.54
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	14.38	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	28.77	
23 51 16 00-0318	LF	14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	230.10	16.29
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	18.94	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	37.89	
23 51 16 00-0319		90 Degree Elbows <small>(23 51 16 00-0311)</small>		
23 51 16 00-0320	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	166.42	22.68
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	10.96	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	21.93	
23 51 16 00-0321	EA	7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	183.58	24.28
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	12.28	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	24.56	
23 51 16 00-0322	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	205.83	26.19
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	14.03	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	28.07	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51	16 00-0323	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	253.45	28.43
			For 2" Insulated Wall Instead Of 1" Thickness, Add	18.24	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	36.49	
23 51	16 00-0324	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	300.19	30.98
			For 2" Insulated Wall Instead Of 1" Thickness, Add	22.28	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	44.55	
23 51	16 00-0325	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	347.70	32.47
			For 2" Insulated Wall Instead Of 1" Thickness, Add	26.66	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	53.32	
23 51	16 00-0326		45 Degree Elbows <small>(23 51 16 00-0311)</small>		
23 51	16 00-0327	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	139.02	22.68
			For 2" Insulated Wall Instead Of 1" Thickness, Add	8.22	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	16.44	
23 51	16 00-0328	EA	7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	152.87	24.28
			For 2" Insulated Wall Instead Of 1" Thickness, Add	9.21	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	18.42	
23 51	16 00-0329	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	170.77	26.19
			For 2" Insulated Wall Instead Of 1" Thickness, Add	10.53	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	21.05	
23 51	16 00-0330	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	207.83	28.43
			For 2" Insulated Wall Instead Of 1" Thickness, Add	13.68	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	27.36	
23 51	16 00-0331	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	244.47	30.98
			For 2" Insulated Wall Instead Of 1" Thickness, Add	16.71	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	33.42	
23 51	16 00-0332	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	281.10	32.47
			For 2" Insulated Wall Instead Of 1" Thickness, Add	20.00	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	39.99	
23 51	16 00-0333		Tees With Tee Caps <small>(23 51 16 00-0311)</small>		
23 51	16 00-0334	EA	6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	263.72	22.68
			For 2" Insulated Wall Instead Of 1" Thickness, Add	20.70	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	41.40	
23 51	16 00-0335	EA	7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	330.93	24.28
			For 2" Insulated Wall Instead Of 1" Thickness, Add	27.01	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	54.03	
23 51	16 00-0336	EA	8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	370.69	26.19
			For 2" Insulated Wall Instead Of 1" Thickness, Add	30.52	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	61.04	
23 51	16 00-0337	EA	10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	500.69	28.43
			For 2" Insulated Wall Instead Of 1" Thickness, Add	42.98	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	85.95	
23 51	16 00-0338	EA	12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	682.53	30.98
			For 2" Insulated Wall Instead Of 1" Thickness, Add	60.52	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	121.03	
23 51	16 00-0339	EA	14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	870.39	32.47
			For 2" Insulated Wall Instead Of 1" Thickness, Add	78.93	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	157.87	
23 51	16 00-0340		Joist Shields <small>(23 51 16 00-0311)</small>		
23 51	16 00-0341	EA	6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	119.90	22.68
23 51	16 00-0342	EA	7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	129.21	24.28
23 51	16 00-0343	EA	8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	149.68	26.19
23 51	16 00-0344	EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	184.19	28.43
23 51	16 00-0345	EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	218.60	30.98
23 51	16 00-0346	EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	256.49	32.47
23 51	16 00-0347		Adjustable Roof Flashing <small>(23 51 16 00-0311)</small>		
23 51	16 00-0348	EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	140.07	22.68
23 51	16 00-0349	EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	155.50	24.28
23 51	16 00-0350	EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	168.95	26.19
23 51	16 00-0351	EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	203.46	28.43
23 51	16 00-0352	EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	248.49	30.98
23 51	16 00-0353	EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	295.04	32.37
23 51	16 00-0354		Vent Top Caps <small>(23 51 16 00-0311)</small>		
23 51	16 00-0355	EA	6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	126.91	22.68
23 51	16 00-0356	EA	7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	156.38	24.28
23 51	16 00-0357	EA	8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	193.52	26.19
23 51	16 00-0358	EA	10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	300.85	28.43
23 51	16 00-0359	EA	12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	405.48	30.98
23 51	16 00-0360	EA	14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	512.61	32.47
23 51	16 00-0361		Roof Support Assemblies <small>(23 51 16 00-0311)</small>		
23 51	16 00-0362	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	182.09	22.68
23 51	16 00-0363	EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	201.98	24.28
23 51	16 00-0364	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	218.94	26.19
23 51	16 00-0365	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	272.69	28.43
23 51	16 00-0366	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	321.23	30.98

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

23 51 16 00-0367	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	389.82	32.47
23 51 16 00-0368			Polyvinyl Chloride (PVC) Flue/Vent Accessories (23 51 16)		
23 51 16 00-0369			Concentric Polyvinyl Chloride (PVC) Vent Termination (23 51 16 00-0368)		
23 51 16 00-0370	EA		2" Concentric Polyvinyl Chloride (PVC) Vent Termination	168.20	43.38
23 51 16 00-0371	EA		3" Concentric Polyvinyl Chloride (PVC) Vent Termination	179.84	43.38
23 51 16 00-0372			Polypropylene (PP) Flue/Vent Pipe And Fittings (23 51 16)		
			Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373			Polypropylene Flue/Vent Rigid Pipe Sections (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA		2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	37.54	13.17
23 51 16 00-0375	EA		2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	41.70	13.86
23 51 16 00-0376	EA		2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	47.38	15.41
23 51 16 00-0377	EA		2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	57.95	18.12
23 51 16 00-0378	EA		3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	44.49	15.10
23 51 16 00-0379	EA		3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	51.66	15.89
23 51 16 00-0380	EA		3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	61.77	17.66
23 51 16 00-0381	EA		3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	75.46	20.77
23 51 16 00-0382	EA		4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	69.17	19.97
23 51 16 00-0383	EA		4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	79.44	21.02
23 51 16 00-0384	EA		4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	96.37	23.36
23 51 16 00-0385	EA		4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	122.42	27.48
23 51 16 00-0386	EA		5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	102.48	29.48
23 51 16 00-0387	EA		5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	114.85	31.02
23 51 16 00-0388	EA		5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	144.18	34.47
23 51 16 00-0389	EA		5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	183.71	40.56
23 51 16 00-0390			Polypropylene Flue/Vent Elbows (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0391	EA		2" Polypropylene Flue/Vent 15 Degree Elbow	46.16	16.00
23 51 16 00-0392	EA		3" Polypropylene Flue/Vent 15 Degree Elbow	52.36	16.84
23 51 16 00-0393	EA		4" Polypropylene Flue/Vent 15 Degree Elbow	62.25	17.46
23 51 16 00-0394	EA		5" Polypropylene Flue/Vent 15 Degree Elbow	70.45	18.18
23 51 16 00-0395	EA		2" Polypropylene Flue/Vent 30 Degree Elbow	46.16	16.00
23 51 16 00-0396	EA		3" Polypropylene Flue/Vent 30 Degree Elbow	52.36	16.84
23 51 16 00-0397	EA		4" Polypropylene Flue/Vent 30 Degree Elbow	62.25	17.46
23 51 16 00-0398	EA		5" Polypropylene Flue/Vent 30 Degree Elbow	70.45	18.18
23 51 16 00-0399	EA		2" Polypropylene Flue/Vent 45 Degree Elbow	46.16	16.00
23 51 16 00-0400	EA		3" Polypropylene Flue/Vent 45 Degree Elbow	52.36	16.84
23 51 16 00-0401	EA		4" Polypropylene Flue/Vent 45 Degree Elbow	62.25	17.46
23 51 16 00-0402	EA		5" Polypropylene Flue/Vent 45 Degree Elbow	70.45	18.18
23 51 16 00-0403	EA		2" Polypropylene Flue/Vent 87 Degree Elbow	46.16	16.00
23 51 16 00-0404	EA		3" Polypropylene Flue/Vent 87 Degree Elbow	52.36	16.84
23 51 16 00-0405	EA		4" Polypropylene Flue/Vent 87 Degree Elbow	61.67	17.46
23 51 16 00-0406	EA		5" Polypropylene Flue/Vent 87 Degree Elbow	71.87	18.18
23 51 16 00-0407			Polypropylene Flue/Vent Tees (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0408	EA		2" Polypropylene Flue/Vent Tee	120.92	24.01
23 51 16 00-0409	EA		3" Polypropylene Flue/Vent Tee	147.64	25.27
23 51 16 00-0410	EA		4" Polypropylene Flue/Vent Tee	170.20	26.19
23 51 16 00-0411	EA		5" Polypropylene Flue/Vent Tee	185.00	27.25
23 51 16 00-0412			Polypropylene Flue/Vent Adaptors (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0413	EA		2" Polypropylene Flue/Vent Adaptor With Gasket	51.80	16.00
23 51 16 00-0414	EA		3" Polypropylene Flue/Vent Adaptor With Gasket	68.79	16.84
23 51 16 00-0415	EA		4" Polypropylene Flue/Vent Adaptor With Gasket	78.15	17.46
23 51 16 00-0416	EA		5" Polypropylene Flue/Vent Adaptor With Gasket	101.54	18.18
23 51 16 00-0417			Polypropylene Flue/Vent Increases (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418	EA		2" to 3" Polypropylene Flue/Vent Centric Increaser	56.23	16.43
23 51 16 00-0419	EA		3" to 4" Polypropylene Flue/Vent Centric Increaser	60.84	17.15
23 51 16 00-0420	EA		4" to 5" Polypropylene Flue/Vent Centric Increaser	97.75	17.81
23 51 16 00-0421	EA		2" to 3" Polypropylene Flue/Vent Eccentric Increaser	70.71	16.43
23 51 16 00-0422	EA		3" to 4" Polypropylene Flue/Vent Eccentric Increaser	59.65	17.15
23 51 16 00-0423	EA		4" to 5" Polypropylene Flue/Vent Eccentric Increaser	128.67	17.81
23 51 16 00-0424			Polypropylene Flue/Vent Reducers (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425	EA		3" to 2" Polypropylene Flue/Vent Reducer	56.23	16.43
23 51 16 00-0426	EA		4" to 3" Polypropylene Flue/Vent Reducer	60.84	17.15
23 51 16 00-0427	EA		5" to 4" Polypropylene Flue/Vent Reducer	117.03	17.81

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 51 16 00-0428		Polypropylene Flue/Vent Test Ports (23 51 16 00-0372)			
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port.....	74.17		24.01
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port.....	81.72		25.27
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port.....	113.88		26.19
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port.....	120.97		27.25
23 51 16 00-0433		Polypropylene Flue/Vent Cascade Components (23 51 16 00-0372)			
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	172.80		26.19
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	224.91		32.74
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	147.25		27.25
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	212.48		34.07
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve.....	205.98		17.15
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve.....	236.63		17.81
23 51 16 00-0440		Polypropylene Flue/Vent Condensate Management (23 51 16 00-0372)			
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee.....	93.71		24.01
23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee.....	109.91		25.27
23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee.....	123.41		26.19
23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee.....	138.46		27.25
23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings.....	149.85		26.19
23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings.....	163.77		27.25
23 51 16 00-0447	EA	2" Polypropylene Flue/Vent Tee Cap.....	48.77		8.00
23 51 16 00-0448	EA	3" Polypropylene Flue/Vent Tee Cap.....	60.96		8.42
23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap.....	71.29		8.73
23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap.....	91.04		9.08
23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain.....	102.17		24.01
23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain.....	121.63		25.27
23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain.....	137.96		26.19
23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain.....	162.37		27.25
23 51 16 00-0455		Polypropylene Flue/Vent Terminations (23 51 16 00-0372)			
23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover.....	119.17		16.00
23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover.....	107.58		16.84
23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover.....	131.37		17.46
23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	251.46		16.84
23 51 16 00-0460	EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	268.02		17.46
23 51 16 00-0461	EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	310.90		18.18
23 51 16 00-0462	EA	2 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	76.25		16.00
23 51 16 00-0463	EA	2 1/2" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	79.88		16.00
23 51 16 00-0464	EA	2 3/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	83.50		16.00
23 51 16 00-0465	EA	2 7/8" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	87.13		16.00
23 51 16 00-0466	EA	3 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	81.99		16.84
23 51 16 00-0467	EA	3 1/2" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	85.61		16.84
23 51 16 00-0468	EA	3 3/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	89.24		16.84
23 51 16 00-0469	EA	3 7/8" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	92.86		16.84
23 51 16 00-0470	EA	4 1/8" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	90.77		17.46
23 51 16 00-0471	EA	4 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	94.39		17.46
23 51 16 00-0472	EA	4 1/2" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	98.02		17.46
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination.....	79.84		16.00
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination.....	99.02		16.84
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee.....	97.64		24.01
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee.....	122.91		25.27
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee.....	142.01		26.19
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee.....	155.04		27.25
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	39.50		13.86
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	46.22		15.41
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	46.84		15.89
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	56.55		17.66
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	68.04		21.02
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	95.72		31.02
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	113.20		34.47
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	42.41		13.86
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	52.86		15.89
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	82.13		21.02
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	47.32		16.00
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	53.81		16.84
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	64.11		17.46
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	46.77		16.00
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	53.45		16.84
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	63.47		17.46
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	28.36		8.00
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	32.26		8.42
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	35.52		8.73
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	61.96		8.42
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	70.68		9.08
23 51 16 00-0500		Polypropylene Flue/Vent Accessories (23 51 16 00-0372)			
23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent.....	14.39		4.00

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

23 51 16 00-0502	EA	3"		Spacer For Polypropylene Flue/Vent.....	14.05	4.21
23 51 16 00-0503	EA	4"		Spacer For Polypropylene Flue/Vent.....	14.51	4.36
23 51 16 00-0504	EA	5"		Spacer For Polypropylene Flue/Vent.....	20.84	4.54
23 51 16 00-0505	EA	2"		Flue Clamp For Polypropylene Flue/Vent.....	25.81	6.00
23 51 16 00-0506	EA	3"		Flue Clamp For Polypropylene Flue/Vent.....	29.69	6.31
23 51 16 00-0507	EA	4"		Flue Clamp For Polypropylene Flue/Vent.....	33.77	6.54
23 51 16 00-0508	EA	2"		Support Clamp For Polypropylene Flue/Vent.....	24.80	6.00
23 51 16 00-0509	EA	4"		Support Clamp For Polypropylene Flue/Vent.....	25.24	6.54
23 51 16 00-0510	EA	5"		Support Clamp For Polypropylene Flue/Vent.....	29.74	6.82
23 51 16 00-0511	EA	3"		Plastic Support Clamp For Polypropylene Flue/Vent.....	20.44	6.31
23 51 16 00-0512	EA	2"		Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	43.66	16.00
23 51 16 00-0513	EA	3"		Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	47.45	16.84
23 51 16 00-0514	EA	4"		Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	50.50	17.46
23 51 16 00-0515	EA	5"		Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	55.25	18.18
23 51 16 00-0516	EA	2"		Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	2.33	
23 51 16 00-0517	EA	3"		Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	2.60	
23 51 16 00-0518	EA	4"		Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	3.52	
23 51 16 00-0519	EA	5"		Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	5.82	
23 51 16 00-0520	EA	2"		Connector Ring For Polypropylene Flue/Vent.....	12.50	4.00
23 51 16 00-0521	EA	3"		Connector Ring For Polypropylene Flue/Vent.....	13.88	4.21
23 51 16 00-0522	EA	4"		Connector Ring For Polypropylene Flue/Vent.....	14.81	4.36
23 51 16 00-0523	EA	5"		Connector Ring For Polypropylene Flue/Vent.....	16.12	4.54
23 51 16 00-0524	EA	2 1/4"		Polypropylene Flue/Vent Air Intake, White.....	52.40	8.00
23 51 16 00-0525	EA	3 1/5"		Polypropylene Flue/Vent Air Intake, White.....	53.92	8.42
23 51 16 00-0526	EA	4 1/6"		Polypropylene Flue/Vent Air Intake, White.....	42.17	8.73
23 51 16 00-0527	EA	2"		Base Support For Polypropylene Flue/Vent.....	44.74	6.00
23 51 16 00-0528	EA	3"		Base Support For Polypropylene Flue/Vent.....	46.26	6.31
23 51 16 00-0529	EA	4"		Base Support For Polypropylene Flue/Vent.....	60.45	6.54
23 51 16 00-0530	EA	5"		Base Support For Polypropylene Flue/Vent.....	98.77	6.82

23 51 16 00-0531 Polypropylene Flue/Vent Flex Pipe (23 51 16 00-0372)

23 51 16 00-0532	LF	2"		Up To 50', Polypropylene Flue/Vent Flex Pipe.....	8.35	1.41
23 51 16 00-0533	LF	2"		> 50', Polypropylene Flue/Vent Flex Pipe.....	7.39	1.41
23 51 16 00-0534	LF	3"		Up To 50', Polypropylene Flue/Vent Flex Pipe.....	10.20	1.66
23 51 16 00-0535	LF	3"		> 50', Polypropylene Flue/Vent Flex Pipe.....	8.99	1.66
23 51 16 00-0536	LF	4"		Up To 50', Polypropylene Flue/Vent Flex Pipe.....	14.42	2.04
23 51 16 00-0537	LF	4"		> 50', Polypropylene Flue/Vent Flex Pipe.....	12.55	2.04

23 51 16 00-0538 Polypropylene Flue/Vent Couplers (23 51 16 00-0372)

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0539	EA	2"		Polypropylene Flue/Vent Coupler, Single Wall to Flex.....	64.03	16.00
23 51 16 00-0540	EA	2"		Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	70.08	16.00
23 51 16 00-0541	EA	3"		Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	129.29	16.84
23 51 16 00-0542	EA	4"		Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	224.87	17.46
23 51 16 00-0543	EA	2"		Polypropylene Flue/Vent Coupler, Flex to Flex.....	71.86	16.00
23 51 16 00-0544	EA	3"		Polypropylene Flue/Vent Coupler, Flex to Flex.....	151.40	16.84
23 51 16 00-0545	EA	4"		Polypropylene Flue/Vent Coupler, Flex to Flex.....	369.85	17.46

23 51 16 00-0546 Polypropylene Flue/Vent Flex End Terminations (23 51 16 00-0372)

23 51 16 00-0547	EA	2"		Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	79.89	16.00
23 51 16 00-0548	EA	3"		Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	75.57	16.84
23 51 16 00-0549	EA	4"		Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	90.57	17.46

23 51 16 00-0550 Aluminum Flue/Vent Fittings (23 51 16)

23 51 16 00-0551 Aluminum Vent Top Caps (23 51 16 00-0550)

23 51 16 00-0552	EA	3"		Aluminum Vent Cap (Star-Kap® 3-SK).....	75.89	15.86
23 51 16 00-0553	EA	4"		Aluminum Vent Cap (Star-Kap® 4-SK).....	80.50	15.54
23 51 16 00-0554	EA	5"		Aluminum Vent Cap (Star-Kap® 5-SK).....	86.87	16.29
23 51 16 00-0555	EA	6"		Aluminum Vent Cap (Star-Kap® 6-SK).....	116.53	17.04
23 51 16 00-0556	EA	8"		Aluminum Vent Cap (Star-Kap® 8-SK).....	130.22	18.95
23 51 16 00-0557	EA	10"		Aluminum Vent Cap (Star-Kap® 10-SK).....	343.99	20.01
23 51 16 00-0558	EA	12"		Aluminum Vent Cap (Star-Kap® 12-SK).....	353.18	21.29

23 52 Heating Boilers (23 50)

23 52 13 Electric Boilers (23 52)

23 52 13 00-0001 Packaged Electric Steam Boiler (23 52 13)

Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH output.

23 52 13 00-0002	EA	12 KW, 42 MBH		Electric Steam Boiler With Packaged Standard Controls.....	8,547.19	721.63
23 52 13 00-0003	EA	24 KW, 84 MBH		Electric Steam Boiler With Packaged Standard Controls.....	9,325.91	841.91
23 52 13 00-0004	EA	36 KW, 126 MBH		Electric Steam Boiler With Packaged Standard Controls.....	10,199.62	902.05
23 52 13 00-0005	EA	48 KW, 168 MBH		Electric Steam Boiler With Packaged Standard Controls.....	11,439.30	962.19
23 52 13 00-0006	EA	60 KW, 210 MBH		Electric Steam Boiler With Packaged Standard Controls.....	12,646.69	1,022.33
23 52 13 00-0007	EA	80 KW, 280 MBH		Electric Steam Boiler With Packaged Standard Controls.....	14,824.66	1,142.60
23 52 13 00-0008	EA	100 KW, 350 MBH		Electric Steam Boiler With Packaged Standard Controls.....	17,002.64	1,262.87
23 52 13 00-0009	EA	120 KW, 420 MBH		Electric Steam Boiler With Packaged Standard Controls.....	17,531.93	1,323.01
23 52 13 00-0010	EA	140 KW, 490 MBH		Electric Steam Boiler With Packaged Standard Controls.....	18,050.46	1,383.14

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	23,995.65	1,503.42
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	25,084.64	1,563.55
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	26,265.96	1,669.85
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	27,482.05	1,793.55
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	29,752.98	1,917.24
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	32,190.64	2,102.77
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	33,928.85	2,164.62
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	35,667.08	2,226.46
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	36,867.12	2,288.31
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	38,067.16	2,350.16
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	40,682.52	2,473.85
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	43,297.87	2,597.54
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	45,789.53	2,659.39
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	51,294.98	2,721.23
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	55,094.32	2,844.93
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	56,525.69	2,968.62
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	62,924.32	3,154.16
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	64,802.29	3,339.70
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	66,680.26	3,525.24
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	71,572.01	3,710.77
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	73,756.82	3,834.47
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	76,834.83	4,081.85
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	79,697.57	4,329.23
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	87,726.79	4,576.62
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	92,742.23	4,824.00

23 52 13 00-0036**Packaged Electric Hot Water Boiler (23 52 13)**

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH output.

23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	5,848.95	661.50
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	6,298.39	721.63
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	6,747.82	781.77
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	7,139.66	841.91
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	7,539.70	902.05
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	7,931.54	962.19
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	8,380.97	1,022.33
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	8,994.98	1,082.46
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	9,386.81	1,142.60
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	9,770.42	1,202.73
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	10,384.43	1,262.87
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	10,916.15	1,323.01
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	11,735.90	1,383.14
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	12,185.33	1,443.28
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	12,675.91	1,503.42
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	13,882.40	1,563.55
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	15,189.46	1,669.85
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	16,523.07	1,793.55
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	17,864.91	1,917.24
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	19,322.21	2,102.77
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	20,664.06	2,226.46
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	21,775.49	2,350.16
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	22,763.22	2,412.01
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	24,154.19	2,473.85
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	25,603.00	2,597.54
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	26,919.64	2,597.54
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	29,347.45	2,659.39
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	30,746.65	2,721.23
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	32,269.53	2,844.93
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	33,668.70	2,906.78
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	35,067.90	2,968.62
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	36,261.87	3,154.16
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	38,278.75	3,339.70
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	44,739.29	3,525.24
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	49,060.29	3,710.77
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	51,282.63	3,834.47
23 52 13 00-0073	EA	1,350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	53,834.65	4,081.85
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	56,386.67	4,329.23
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	62,806.32	4,576.62
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	66,921.85	4,824.00
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	68,732.74	4,947.70
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	70,543.64	5,071.39
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	70,914.72	5,256.93
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	75,934.92	5,380.63
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	79,433.02	5,566.16
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	85,112.57	5,937.24
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	91,204.55	6,555.70
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	97,873.20	7,297.85
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	104,294.89	8,040.01

23 52 16 Condensing Boilers (23 52)**23 52 16 13 Stainless-Steel Condensing Boilers (23 52 16)**

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

23 52 16 13-0001			Hamilton Evo Series Stainless Steel Condensing Boilers <small>(23 52 16 13)</small> Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code).		
23 52 16 13-0002	EA		75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	11,228.76	481.09
23 52 16 13-0003	EA		127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	10,701.13	635.05
23 52 16 13-0004	EA		168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	11,446.03	714.42
23 52 16 13-0005	EA		187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	12,250.77	793.80
23 52 16 13-0006	EA		281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	15,659.14	793.80
23 52 16 13-0007	EA		374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	18,350.62	962.19
23 52 16 13-0008	EA		589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	24,389.41	1,031.94
23 52 16 13-0009	EA		785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798)	33,987.96	1,270.08
23 52 16 13-0010	EA		980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998)	41,414.63	1,389.16
23 52 16 13-0011	EA		1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	59,448.01	1,627.30
23 52 16 13-0012	EA		1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	65,469.09	1,746.36
23 52 16 13-0013			Buderus SB615 Stainless Steel Condensing Boilers <small>(23 52 16 13)</small> Note: Includes Riello burners. Capacity given is IBR rating.		
23 52 16 13-0014	EA		484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	18,970.56	1,031.94
23 52 16 13-0015	EA		612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	19,706.13	1,031.94
23 52 16 13-0016	EA		791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	22,278.97	1,270.08
23 52 16 13-0017	EA		1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	24,231.21	1,428.85
23 52 16 13-0018	EA		1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	26,760.21	1,508.22
23 52 16 13-0019	EA		1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	30,471.98	1,627.30
23 52 16 13-0020	EA		2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	36,063.55	1,746.36
23 52 16 13-0021			Buderus SB735 Stainless Steel Condensing Boilers <small>(23 52 16 13)</small> Note: Includes Riello burners.		
23 52 16 13-0022	EA		2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	38,180.61	1,905.13
23 52 16 13-0023	EA		3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	43,822.40	1,984.50
23 52 16 13-0024	EA		4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	50,437.88	2,103.58
23 52 16 13-0025			Lochinvar Knight Stainless Steel Condensing Boilers <small>(23 52 16 13)</small>		
23 52 16 13-0026	EA		165 MBH 95.7% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	7,560.01	714.42
23 52 16 13-0027	EA		226 MBH 96% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN286)	9,697.19	793.80
23 52 16 13-0028			Lochinvar Knight XL Stainless Steel Condensing Boilers <small>(23 52 16 13)</small>		
23 52 16 13-0029	EA		324 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN400)	12,614.82	952.56
23 52 16 13-0030	EA		406 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN501)	15,434.99	962.19
23 52 16 13-0031	EA		493 MBH 94.6% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN601)	18,020.94	1,031.94
23 52 16 13-0032	EA		574 MBH 94.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN701)	20,468.72	1,031.94
23 52 16 13-0033	EA		654 MBH 94% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN801)	23,517.26	1,151.02
23 52 16 13-0034			Lochinvar SYNC Stainless Steel Condensing Boilers <small>(23 52 16 13)</small>		
23 52 16 13-0035	EA		941 MBH 94.1% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1000)	31,975.30	1,389.16
23 52 16 13-0036	EA		1,240 MBH 95.4% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1300)	36,320.22	1,508.22
23 52 16 13-0037	EA		1,443 MBH 96.2% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1500)	39,016.62	1,627.30
23 52 16 13-0038			Lochinvar Crest Stainless Steel Condensing Boilers <small>(23 52 16 13)</small>		
23 52 16 13-0039	EA		1,380 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1500)	38,555.89	1,508.22
23 52 16 13-0040	EA		1,840 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2000)	45,997.85	1,666.99
23 52 16 13-0041	EA		2,300 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2500)	59,581.81	1,825.74
23 52 16 13-0042	EA		2,760 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3000)	65,554.88	1,921.96
23 52 16 13-0043	EA		3,220 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3500)	77,669.85	2,002.55
23 52 16 13-0044			AERCO Benchmark Stainless-Steel Condensing Boilers <small>(23 52 16 13)</small>		
23 52 16 13-0045	EA		1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN)	35,568.91	1,627.30
23 52 16 13-0046	EA		2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN)	42,005.66	1,746.36
23 52 16 13-0047	EA		3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)	59,653.95	1,921.96
23 52 16 13-0048	EA		3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)	63,427.59	1,921.96

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 52 16 16 Aluminum Condensing Boilers (23 52 16 16)****23 52 16 16-0001 Weil McLain Aluminum Condensing Boilers (23 52 16 16)**

23 52 16 16-0002	EA	80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	5,638.47	481.09
23 52 16 16-0003	EA	105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	6,140.70	515.97
23 52 16 16-0004	EA	155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	7,251.34	714.42
23 52 16 16-0005	EA	230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	8,128.49	793.80
23 52 16 16-0006	EA	310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	10,278.84	952.56

23 52 16 16-0007 Patterson Kelly Mach Series Aluminum Condensing Boilers (23 52 16 16)

23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C300)	15,697.39	793.80
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C450)	17,904.38	962.19
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C750)	20,375.16	1,202.73
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C900)	29,831.12	1,349.47
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1050)	31,178.85	1,428.85
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1500)	47,868.00	1,627.30
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2000)	51,821.32	1,746.36
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2500)	59,889.83	1,905.13
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C3000)	73,674.87	1,905.13
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C4000)	89,937.19	2,103.58

23 52 16 16-0018 Buderus GB142 Wall Hung Aluminum Condensing Boilers (23 52 16 16)

Note: Includes standard controls.

23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24)	4,517.98	481.09
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30)	5,130.27	515.97
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45)	5,981.47	635.05
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60)	6,821.36	793.80
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	308.38	120.27
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3)	364.77	120.27
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265)	636.12	120.27

23 52 16 16-0026 Buderus GB162 Wall Hung Aluminum Condensing Boilers (23 52 16 16)

Note: Includes standard controls.

23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80)	6,371.99	793.80
23 52 16 16-0028	EA	333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100)	7,752.34	952.56
23 52 16 16-0029	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2)	14,183.53	1,131.17
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2)	13,388.35	1,131.17
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2)	16,523.28	1,151.02
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2)	15,728.10	1,151.02
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3)	19,229.93	1,349.47
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3)	22,889.90	1,428.85
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4)	23,596.43	1,508.22

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

23 52 16 16-0036	EA			1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	23,914.91	1,508.22
23 52 16 16-0037	EA			1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	28,155.66	1,508.22
23 52 16 16-0038	EA			1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	28,474.13	1,508.22
23 52 16 16-0039	EA			EMS Control Module For Condensing Boiler (Buderus RC35)	411.26	120.27

23 52 16 16-0040 Buderus GB312 Aluminum Condensing Boilers (23 52 16 16)

Note: Includes standard controls.						
23 52 16 16-0041	EA			305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90)..... Note: Includes an aluminum heat exchanger.	11,216.01	793.80
23 52 16 16-0042	EA			409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120)..... Note: Includes an aluminum heat exchanger.	12,587.97	962.19
23 52 16 16-0043	EA			544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160)..... Note: Includes an aluminum heat exchanger.	14,749.18	1,031.94
23 52 16 16-0044	EA			676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200)..... Note: Includes an aluminum heat exchanger.	16,940.76	1,151.02
23 52 16 16-0045	EA			810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240)..... Note: Includes an aluminum heat exchanger.	20,113.11	1,270.08
23 52 16 16-0046	EA			944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280)..... Note: Includes an aluminum heat exchanger.	22,190.26	1,389.16
23 52 16 16-0047	EA			Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	365.46	60.14
23 52 16 16-0048	EA			Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	210.17	60.14
23 52 16 16-0049	EA			Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550).....	273.11	60.14
23 52 16 16-0050	EA			Optional Condensate Neutralization Tank For GB312 (Buderus 63035899).....	506.86	60.14

23 52 16 19 Copper Water-Tube Condensing Boilers (23 52 16)

23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers (23 52 16 19)

23 52 16 19-0002	EA			1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	36,305.70	1,508.22
23 52 16 19-0003	EA			1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	40,905.90	1,666.99
23 52 16 19-0004	EA			2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	44,694.04	1,746.36
23 52 16 19-0005	EA			2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	48,419.86	1,905.13

23 52 16 23 Cast Iron Condensing Boilers (23 52 16)

23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers (23 52 16 23)

23 52 16 23-0002	EA			199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	12,587.52	793.80
23 52 16 23-0003	EA			399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	18,099.76	962.19
23 52 16 23-0004	EA			600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	29,066.65	1,031.94
23 52 16 23-0005	EA			1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10).....	38,439.46	1,428.85
23 52 16 23-0006	EA			1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16).....	51,007.41	1,666.99
23 52 16 23-0007	EA			1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20).....	55,568.51	1,746.36
23 52 16 23-0008	EA			2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26).....	70,409.16	1,905.13
23 52 16 23-0009	EA			3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30).....	76,703.32	1,905.13

23 52 23 Cast-Iron Boilers (23 52)

23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler (23 52 23)

Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.

23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0003	EA			209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380)..... Note: Includes field assembly of individual sections and testing.	16,322.88	3,718.27
23 52 23 00-0004	EA			297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480)..... Note: Includes field assembly of individual sections and testing.	17,643.27	3,966.16
23 52 23 00-0005	EA			386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580)..... Note: Includes field assembly of individual sections and testing.	19,071.68	4,214.05
23 52 23 00-0006	EA			476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680)..... Note: Includes field assembly of individual sections and testing.	20,412.56	4,461.93
23 52 23 00-0007	EA			565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780)..... Note: Includes field assembly of individual sections and testing.	21,664.44	4,709.81
23 52 23 00-0008	EA			654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880)..... Note: Includes field assembly of individual sections and testing.	23,312.39	4,957.71
23 52 23 00-0009	EA			743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980)..... Note: Includes field assembly of individual sections and testing.	24,626.40	5,205.59
23 52 23 00-0010	EA			833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080)..... Note: Includes field assembly of individual sections and testing.	25,706.65	5,453.47
23 52 23 00-0011	EA			922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180)..... Note: Includes field assembly of individual sections and testing.	26,783.43	5,701.35
23 52 23 00-0012	EA			1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280)..... Note: Includes field assembly of individual sections and testing.	27,999.20	5,949.25

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 52 23 00-0013		Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)			
23 52 23 00-0014	EA	209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380)..... Note: Fire tested factory assembled package unit.	9,380.53		494.77
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480)..... Note: Fire tested factory assembled package unit.	10,354.30		494.77
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580)..... Note: Fire tested factory assembled package unit.	11,932.60		618.46
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680)..... Note: Fire tested factory assembled package unit.	12,925.50		618.46
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780)..... Note: Fire tested factory assembled package unit.	14,327.58		742.15
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880)..... Note: Fire tested factory assembled package unit.	15,640.71		742.15
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980)..... Note: Fire tested factory assembled package unit.	17,103.22		865.85
23 52 23 00-0021	EA	833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080)..... Note: Fire tested factory assembled package unit.	18,332.08		989.54
23 52 23 00-0022	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180)..... Note: Fire tested factory assembled package unit.	19,064.17		989.54
23 52 23 00-0023	EA	1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280)..... Note: Fire tested factory assembled package unit.	20,426.97		1,113.23
23 52 23 00-0024		Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)			
		Note: Field assembled boilers can only be used in situations where package units cannot be installed.			
23 52 23 00-0025	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380)..... Note: Includes field assembly of individual sections and testing.	16,891.84		3,718.27
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	18,313.93		3,966.16
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	19,680.91		4,214.05
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	21,186.94		4,461.93
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,459.97		4,709.81
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,236.81		4,957.71
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	25,419.91		5,205.59
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	26,575.69		5,453.47
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	27,653.48		5,701.35
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	28,896.44		5,949.25
23 52 23 00-0035		Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)			
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380)..... Note: Fire tested factory assembled package cast iron unit.	9,949.48		494.77
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480)..... Note: Fire tested factory assembled package cast iron unit.	11,024.96		494.77
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580)..... Note: Fire tested factory assembled package cast iron unit.	12,541.84		618.46
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680)..... Note: Fire tested factory assembled package cast iron unit.	13,699.89		618.46
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780)..... Note: Fire tested factory assembled package cast iron unit.	15,123.11		742.15
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880)..... Note: Fire tested factory assembled package cast iron unit.	16,565.13		742.15
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980)..... Note: Fire tested factory assembled package cast iron unit.	17,896.73		865.85
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080)..... Note: Fire tested factory assembled package cast iron unit.	19,201.12		989.54
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180)..... Note: Fire tested factory assembled package cast iron unit.	19,934.22		989.54
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280)..... Note: Fire tested factory assembled package cast iron unit.	21,324.21		1,113.23
23 52 23 00-0046		Weil-McLain Model 88 Cast Iron Boiler (23 52 23)			
		Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.			
23 52 23 00-0047		Gas Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)			
		Note: Field assembled boilers can only be used in situations where package units cannot be installed.			
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488)..... Note: Includes field assembly of individual sections and testing.	25,323.77		5,577.42
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588)..... Note: Includes field assembly of individual sections and testing.	27,645.88		5,918.26
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688)..... Note: Includes field assembly of individual sections and testing.	30,461.51		6,259.10
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788)..... Note: Includes field assembly of individual sections and testing.	32,971.48		6,599.95
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888)..... Note: Includes field assembly of individual sections and testing.	35,186.38		6,940.78

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0053	EA		1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988)..... Note: Includes field assembly of individual sections and testing.	38,285.20	7,281.62
23 52 23 00-0054	EA		1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088)..... Note: Includes field assembly of individual sections and testing.	40,518.24	7,622.46
23 52 23 00-0055	EA		2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188)..... Note: Includes field assembly of individual sections and testing.	42,522.50	7,963.31
23 52 23 00-0056	EA		2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288)..... Note: Includes field assembly of individual sections and testing.	45,115.38	8,304.15
23 52 23 00-0057	EA		2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388)..... Note: Includes field assembly of individual sections and testing.	47,249.20	8,644.99
23 52 23 00-0058	EA		2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488)..... Note: Includes field assembly of individual sections and testing.	51,304.94	8,985.83
23 52 23 00-0059	EA		3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588)..... Note: Includes field assembly of individual sections and testing.	53,347.30	9,326.68
23 52 23 00-0060	EA		3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688)..... Note: Includes field assembly of individual sections and testing.	55,498.11	9,667.52
23 52 23 00-0061	EA		3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788)..... Note: Includes field assembly of individual sections and testing.	57,867.10	10,008.36
23 52 23 00-0062	EA		3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888)..... Note: Includes field assembly of individual sections and testing.	59,840.16	10,349.20
23 52 23 00-0063			Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
23 52 23 00-0064	EA		629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488)..... Note: Fire tested factory assembled package unit.	17,117.31	865.85
23 52 23 00-0065	EA		845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588)..... Note: Fire tested factory assembled package unit.	19,424.67	989.54
23 52 23 00-0066	EA		1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688)..... Note: Fire tested factory assembled package unit.	22,237.56	1,113.23
23 52 23 00-0067	EA		1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788)..... Note: Fire tested factory assembled package unit.	24,723.17	1,236.92
23 52 23 00-0068	EA		1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888)..... Note: Fire tested factory assembled package unit.	26,427.01	1,236.92
23 52 23 00-0069	EA		1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988)..... Note: Fire tested factory assembled package unit.	29,513.79	1,360.62
23 52 23 00-0070	EA		1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088)..... Note: Fire tested factory assembled package unit.	31,238.78	1,360.62
23 52 23 00-0071	EA		2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188)..... Note: Fire tested factory assembled package unit.	33,227.95	1,484.31
23 52 23 00-0072	EA		2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288)..... Note: Fire tested factory assembled package unit.	35,313.44	1,484.31
23 52 23 00-0073	EA		2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388)..... Note: Fire tested factory assembled package unit.	37,432.54	1,608.00
23 52 23 00-0074	EA		2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488)..... Note: Fire tested factory assembled package unit.	39,490.15	1,731.69
23 52 23 00-0075	EA		3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588)..... Note: Fire tested factory assembled package unit.	41,024.82	1,731.69
23 52 23 00-0076	EA		3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688)..... Note: Fire tested factory assembled package unit.	43,161.99	1,855.39
23 52 23 00-0077	EA		3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788)..... Note: Fire tested factory assembled package unit.	45,021.92	1,855.39
23 52 23 00-0078	EA		3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888)..... Note: Fire tested factory assembled package unit.	47,001.96	1,979.08
23 52 23 00-0079			Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
			Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080	EA		629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	26,024.65	5,577.42
23 52 23 00-0081	EA		845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	28,342.72	5,918.26
23 52 23 00-0082	EA		1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	31,339.61	6,259.10
23 52 23 00-0083	EA		1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	33,938.20	6,599.95
23 52 23 00-0084	EA		1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	36,054.41	6,940.78
23 52 23 00-0085	EA		1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	39,098.85	7,281.62
23 52 23 00-0086	EA		1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	41,739.73	7,622.46
23 52 23 00-0087	EA		2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	43,744.00	7,963.31
23 52 23 00-0088	EA		2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	46,312.70	8,304.15
23 52 23 00-0089	EA		2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	48,961.10	8,644.99
23 52 23 00-0090	EA		2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	53,103.44	8,985.83
23 52 23 00-0091	EA		3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	55,751.01	9,326.68
23 52 23 00-0092	EA		3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	57,295.60	9,667.52
23 52 23 00-0093	EA		3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	59,610.22	10,008.36
23 52 23 00-0094	EA		3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	61,602.41	10,349.20

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0095 Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
23 52 23 00-0096 EA 629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488).....	17,818.18	865.85
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0097 EA 845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588).....	20,121.52	989.54
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0098 EA 1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688).....	23,105.59	1,113.23
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0099 EA 1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788).....	25,689.89	1,236.92
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0100 EA 1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888).....	27,297.06	1,236.92
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0101 EA 1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988).....	30,327.44	1,360.62
Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.		
23 52 23 00-0102 EA 1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088).....	32,460.27	1,360.62
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0103 EA 2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188).....	34,449.44	1,484.31
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0104 EA 2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288).....	36,510.77	1,484.31
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0105 EA 2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388).....	39,149.47	1,608.00
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0106 EA 2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488).....	41,288.65	1,731.69
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0107 EA 3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588).....	42,421.53	1,731.69
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0108 EA 3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688).....	44,959.49	1,855.39
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0109 EA 3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788).....	46,765.04	1,855.39
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0110 EA 3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888).....	48,744.07	1,979.08
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0111 Weil-McLain Model 94 Cast Iron Boiler (23 52 23)		
Note: Capacities are the net AHRH ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112 Gas Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113 EA 1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894).....	63,562.23	10,844.97
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0114 EA 1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994).....	68,588.75	11,464.68
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0115 EA 2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094).....	73,217.89	12,084.40
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0116 EA 2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194).....	77,758.39	12,704.12
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0117 EA 2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294).....	82,338.75	13,323.83
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0118 EA 2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394).....	88,766.35	13,943.54
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0119 EA 2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494).....	93,106.83	14,563.25
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0120 EA 3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594).....	97,321.03	15,182.96
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0121 EA 3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694).....	103,905.03	15,802.68
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0122 EA 3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794).....	108,116.97	16,422.39
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0123 EA 3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894).....	111,790.94	17,042.10
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0124 EA 4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994).....	118,160.66	17,661.81
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0125 EA 4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094).....	122,403.50	18,281.52
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0126 EA 4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194).....	128,911.64	18,901.24
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0127 EA 4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294).....	133,354.73	19,520.96
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0128 EA 4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394).....	138,176.55	20,140.67
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0129 EA 5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494).....	142,378.74	20,760.38
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0130 EA 5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594).....	146,688.97	21,380.09
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0131 Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)		
23 52 23 00-0132 EA 1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894).....	51,057.24	1,608.00
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0133 EA 1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994).....	55,657.53	1,731.69
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0134 EA 2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094).....	59,857.05	1,855.39
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0135 EA 2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194).....	63,971.92	1,979.08
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0136 EA 2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294).....	67,627.33	1,979.08
Note: Fire tested factory assembled package cast iron unit.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0137	EA		2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	71,647.73	2,102.77
23 52 23 00-0138	EA		2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	75,064.48	2,102.77
23 52 23 00-0139	EA		3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	78,850.06	2,226.46
23 52 23 00-0140	EA		3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	84,512.42	2,226.46
23 52 23 00-0141	EA		3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	88,296.99	2,350.16
23 52 23 00-0142	EA		3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	91,048.11	2,350.16
23 52 23 00-0143	EA		4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	96,992.83	2,473.85
23 52 23 00-0144	EA		4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	100,311.91	2,473.85
23 52 23 00-0145	EA		4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	106,409.71	2,597.54
23 52 23 00-0146	EA		4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	109,911.05	2,597.54
23 52 23 00-0147	EA		4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	114,302.91	2,721.23
23 52 23 00-0148	EA		5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	117,582.71	2,721.23
23 52 23 00-0149	EA		5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	121,464.95	2,844.93
23 52 23 00-0150			Oil Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151	EA		1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	60,557.35	10,844.97
23 52 23 00-0152	EA		1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	65,583.86	11,464.68
23 52 23 00-0153	EA		2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	71,604.68	12,084.40
23 52 23 00-0154	EA		2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	75,781.65	12,704.12
23 52 23 00-0155	EA		2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	80,114.28	13,323.83
23 52 23 00-0156	EA		2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	86,264.96	13,943.54
23 52 23 00-0157	EA		2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	90,792.74	14,563.25
23 52 23 00-0158	EA		3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	95,008.96	15,182.96
23 52 23 00-0159	EA		3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	102,311.96	15,802.68
23 52 23 00-0160	EA		3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	106,524.90	16,422.39
23 52 23 00-0161	EA		3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	110,735.61	17,042.10
23 52 23 00-0162	EA		4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	118,167.71	17,661.81
23 52 23 00-0163	EA		4,285 MBH Steam, 4,970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	122,410.55	18,281.52
23 52 23 00-0164	EA		4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	129,080.81	18,901.24
23 52 23 00-0165	EA		4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	133,522.90	19,520.96
23 52 23 00-0166	EA		4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	138,258.12	20,140.67
23 52 23 00-0167	EA		5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	142,460.31	20,760.38
23 52 23 00-0168	EA		5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	146,776.58	21,380.09
23 52 23 00-0169			Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0170	EA		1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	47,889.22	1,608.00
23 52 23 00-0171	EA		1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	52,489.51	1,731.69
23 52 23 00-0172	EA		2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	58,080.70	1,855.39
23 52 23 00-0173	EA		2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	61,832.05	1,979.08
23 52 23 00-0174	EA		2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	65,239.74	1,979.08
23 52 23 00-0175	EA		2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	68,983.21	2,102.77
23 52 23 00-0176	EA		2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	72,587.26	2,102.77
23 52 23 00-0177	EA		3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	76,372.84	2,226.46
23 52 23 00-0178	EA		3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	82,756.21	2,226.46

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 52 23 00-0179	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	86,539.77		2,350.16
23 52 23 00-0180	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	89,829.64		2,350.16
23 52 23 00-0181	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	96,836.75		2,473.85
23 52 23 00-0182	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	100,155.82		2,473.85
23 52 23 00-0183	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	106,395.62		2,597.54
23 52 23 00-0184	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	109,916.09		2,597.54
23 52 23 00-0185	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	114,221.35		2,721.23
23 52 23 00-0186	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	117,501.14		2,721.23
23 52 23 00-0187	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	121,389.43		2,844.93
23 52 23 00-0188 Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)					
Note: Field assembled boilers can only be used in situations where package units cannot be installed.					
23 52 23 00-0189	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	64,506.80		10,844.97
23 52 23 00-0190	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	69,534.32		11,464.68
23 52 23 00-0191	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	74,421.26		12,084.40
23 52 23 00-0192	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	79,063.47		12,704.12
23 52 23 00-0193	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	83,620.66		13,323.83
23 52 23 00-0194	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	89,239.64		13,943.54
23 52 23 00-0195	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	94,678.75		14,563.25
23 52 23 00-0196	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	99,140.68		15,182.96
23 52 23 00-0197	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	105,882.78		15,802.68
23 52 23 00-0198	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	110,094.72		16,422.39
23 52 23 00-0199	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	113,839.18		17,042.10
23 52 23 00-0200	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	120,277.38		17,661.81
23 52 23 00-0201	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	125,527.21		18,281.52
23 52 23 00-0202	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	132,575.11		18,901.24
23 52 23 00-0203	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	136,987.99		19,520.96
23 52 23 00-0204	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	141,997.11		20,140.67
23 52 23 00-0205	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	146,200.31		20,760.38
23 52 23 00-0206	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	150,513.56		21,380.09
23 52 23 00-0207 Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)					
23 52 23 00-0208	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	52,075.32		1,608.00
23 52 23 00-0209	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	56,676.62		1,731.69
23 52 23 00-0210	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	61,136.94		1,855.39
23 52 23 00-0211	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	65,351.51		1,979.08
23 52 23 00-0212	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	68,983.76		1,979.08
23 52 23 00-0213	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	72,194.53		2,102.77
23 52 23 00-0214	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	76,709.92		2,102.77
23 52 23 00-0215	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	80,742.21		2,226.46
23 52 23 00-0216	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	86,564.68		2,226.46
23 52 23 00-0217	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	90,347.24		2,350.16
23 52 23 00-0218	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	93,169.86		2,350.16
23 52 23 00-0219	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	99,183.06		2,473.85
23 52 23 00-0220	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	103,510.14		2,473.85

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 52 23 00-0221		EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194)..... Note: Fire tested factory assembled package cast iron unit.	110,127.56	2,597.54
	23 52 23 00-0222		EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294)..... Note: Fire tested factory assembled package cast iron unit.	113,618.83	2,597.54
	23 52 23 00-0223		EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394)..... Note: Fire tested factory assembled package cast iron unit.	118,196.98	2,721.23
	23 52 23 00-0224		EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494)..... Note: Fire tested factory assembled package cast iron unit.	121,477.79	2,721.23
	23 52 23 00-0225		EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594)..... Note: Fire tested factory assembled package cast iron unit.	125,364.05	2,844.93

23 52 33 Water-Tube Boilers (23 52)

23 52 33 16 Steel Water-Tube Boilers (23 52 33)

23 52 33 16-0001 Package Oil Fired Water Tube Boiler (23 52 33 16)

Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH output.

	23 52 33 16-0002	EA	200 MBH Oil Fired Water Tube Boiler, Steel Shell	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	14,459.80	989.54
				<i>For Steam System, Add</i>	2,496.14	
	23 52 33 16-0003	EA	285 MBH Oil Fired Water Tube Boiler, Steel Shell	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	14,934.10	1,113.23
				<i>For Steam System, Add</i>	2,541.53	
	23 52 33 16-0004	EA	350 MBH Oil Fired Water Tube Boiler, Steel Shell	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	15,408.41	1,236.92
				<i>For Steam System, Add</i>	2,586.91	
	23 52 33 16-0005	EA	430 MBH Oil Fired Water Tube Boiler, Steel Shell	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	16,242.16	1,360.62
				<i>For Steam System, Add</i>	2,704.19	
	23 52 33 16-0006	EA	520 MBH Oil Fired Water Tube Boiler, Steel Shell	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	17,083.18	1,484.31
				<i>For Steam System, Add</i>	2,822.91	
	23 52 33 16-0007	EA	600 MBH Oil Fired Water Tube Boiler, Steel Shell	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	18,510.56	1,608.00
				<i>For Steam System, Add</i>	3,058.91	
	23 52 33 16-0008	EA	680 MBH Oil Fired Water Tube Boiler, Steel Shell	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	19,428.48	1,669.85
				<i>For Steam System, Add</i>	3,217.76	
	23 52 33 16-0009	EA	770 MBH Oil Fired Water Tube Boiler, Steel Shell	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	20,346.41	1,731.69
				<i>For Steam System, Add</i>	3,376.60	
	23 52 33 16-0010	EA	860 MBH Oil Fired Water Tube Boiler, Steel Shell	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	22,046.08	1,855.39
				<i>For Steam System, Add</i>	3,667.06	
	23 52 33 16-0011	EA	1,020 MBH Oil Fired Water Tube Boiler, Steel Shell	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	23,745.77	1,979.08
				<i>For Steam System, Add</i>	3,957.52	
	23 52 33 16-0012	EA	1,220 MBH Oil Fired Water Tube Boiler, Steel Shell	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	25,874.38	2,226.46
				<i>For Steam System, Add</i>	4,284.29	
	23 52 33 16-0013	EA	1,440 MBH Oil Fired Water Tube Boiler, Steel Shell	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	27,821.46	2,473.85
				<i>For Steam System, Add</i>	4,574.75	
	23 52 33 16-0014	EA	1,700 MBH Oil Fired Water Tube Boiler, Steel Shell	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	30,610.36	2,597.54
				<i>For Steam System, Add</i>	5,083.06	
	23 52 33 16-0015	EA	2,050 MBH Oil Fired Water Tube Boiler, Steel Shell	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	32,310.05	2,721.23
				<i>For Steam System, Add</i>	5,373.52	
	23 52 33 16-0016	EA	2,200 MBH Oil Fired Water Tube Boiler, Steel Shell	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	34,735.90	2,844.93
				<i>For Steam System, Add</i>	5,809.21	
	23 52 33 16-0017	EA	2,450 MBH Oil Fired Water Tube Boiler, Steel Shell	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	38,614.04	2,968.62
				<i>For Steam System, Add</i>	6,535.36	
	23 52 33 16-0018	EA	2,750 MBH Oil Fired Water Tube Boiler, Steel Shell	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	41,468.80	3,216.00
				<i>For Steam System, Add</i>	7,007.36	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 52 33 16-0019	EA 3,100 MBH Oil Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	44,323.57 7,479.36	3,463.39
23 52 33 16-0020	EA 3,450 MBH Oil Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	47,359.85 7,987.66	3,710.77
23 52 33 16-0021	EA 4,300 MBH Oil Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	52,320.45 8,880.83	3,958.16
23 52 33 16-0022	EA 5,160 MBH Oil Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	54,521.67 9,222.12	4,205.54
23 52 33 16-0023	Package Gas Fired Water Tube Boiler ^(23 52 33 16) Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH output.		
23 52 33 16-0024	EA 200 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	14,155.39 2,435.26 608.82	989.54
23 52 33 16-0025	EA 285 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	14,624.16 2,479.54 619.89	1,113.23
23 52 33 16-0026	EA 350 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	15,092.94 2,523.82 630.95	1,236.92
23 52 33 16-0027	EA 430 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	15,915.93 2,638.94 659.74	1,360.62
23 52 33 16-0028	EA 520 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	16,738.92 2,754.06 688.52	1,484.31
23 52 33 16-0029	EA 600 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	18,137.52 2,984.30 746.08	1,608.00
23 52 33 16-0030	EA 680 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	19,036.07 3,139.27 784.82	1,669.85
23 52 33 16-0031	EA 770 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	19,934.63 3,294.25 823.56	1,731.69
23 52 33 16-0032	EA 860 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	21,598.88 3,577.62 894.41	1,855.39
23 52 33 16-0033	EA 1,020 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	23,263.15 3,861.00 965.25	1,979.08
23 52 33 16-0034	EA 1,220 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	25,351.91 4,179.80 1,044.95	2,226.46
23 52 33 16-0035	EA 1,440 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	27,263.56 4,463.17 1,115.79	2,473.85
23 52 33 16-0036	EA 1,700 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	29,990.48 4,959.08 1,239.77	2,597.54

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

23 52 33 16-0037	EA		2,050 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	31,654.74 5,242.46 1,310.61	2,721.23
23 52 33 16-0038	EA		2,220 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	34,027.46 5,667.52 1,416.88	2,844.93
23 52 33 16-0039	EA		2,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	37,817.04 6,375.96 1,593.99	2,968.62
23 52 33 16-0040	EA		2,750 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	40,614.24 6,836.45 1,709.11	3,216.00
23 52 33 16-0041	EA		3,100 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	43,411.45 7,296.93 1,824.23	3,463.39
23 52 33 16-0042	EA		3,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	46,385.75 7,792.84 1,948.21	3,710.77
23 52 33 16-0043	EA		4,300 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	50,174.77 8,451.69 2,112.92	3,958.16
23 52 33 16-0044	EA		5,160 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	52,334.36 8,784.66 2,196.16	4,205.54

23 52 36 Fire-Box Boiler (23 52)

23 52 36 00-0001 Package Oil Fired Firebox Boilers (23 52 36)

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP), boiler sizes are based on HP rating and gross output.

23 52 36 00-0002	EA		40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	70,351.72	2,968.62
23 52 36 00-0003	EA		46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	73,603.56	3,216.00
23 52 36 00-0004	EA		53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	77,105.99	3,463.39
23 52 36 00-0005	EA		61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	83,365.47	3,710.77
23 52 36 00-0006	EA		69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	87,118.50	3,958.16
23 52 36 00-0007	EA		80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	90,809.05	4,205.54
23 52 36 00-0008	EA		100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	100,903.26	4,452.93
23 52 36 00-0009	EA		127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	116,668.03	4,947.70
23 52 36 00-0010	EA		151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	132,696.06	5,442.47
23 52 36 00-0011	EA		183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	145,589.22	5,999.09
23 52 36 00-0012	EA		220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	158,482.54	6,555.70
23 52 36 00-0013	EA		257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	166,975.21	7,668.93
23 52 36 00-0014	EA		294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	203,225.99	8,782.16
23 52 36 00-0015	EA		368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	240,354.00	9,895.39
23 52 36 00-0016	EA		441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	277,917.45	11,132.32
23 52 36 00-0017	EA		514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	314,486.39	12,060.02

23 52 39 Fire-Tube Boilers (23 52)

23 52 39 13 Scotch Marine Boilers (23 52 39)

23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers (23 52 39 13)

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.

23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0001)

23 52 39 13-0003	EA		30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	56,236.25	1,360.62
23 52 39 13-0004	EA		40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	60,551.03	1,484.31
23 52 39 13-0005	EA		50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	65,763.86	1,608.00
23 52 39 13-0006	EA		60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	68,878.48	1,855.39
23 52 39 13-0007	EA		70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,206.88	1,979.08
23 52 39 13-0008	EA		80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,614.71	2,102.77
23 52 39 13-0009	EA		90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	77,945.98	2,164.62

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0010	EA		100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	82,228.08	2,226.46
23 52 39 13-0011	EA		125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,928.64	2,473.85
23 52 39 13-0012	EA		150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	105,516.80	2,721.23
23 52 39 13-0013	EA		175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	115,748.47	2,999.54
23 52 39 13-0014	EA		200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	125,977.59	3,277.85
23 52 39 13-0015	EA		250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	133,237.34	3,834.47
23 52 39 13-0016	EA		300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	161,782.14	4,391.09
23 52 39 13-0017	EA		350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	175,330.52	4,947.70
23 52 39 13-0018	EA		400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	206,125.80	5,504.32
23 52 39 13-0019	EA		500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	249,756.65	6,060.93
23 52 39 13-0020	EA		600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	291,757.83	6,617.55
23 52 39 13-0021	EA		700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	331,963.44	7,174.16
23 52 39 13-0022	EA		800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	370,587.94	7,730.78
23 52 39 13-0023	EA		900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	407,613.13	8,287.39
23 52 39 13-0024	EA		1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	443,219.47	8,844.01
23 52 39 13-0025			15 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)		
23 52 39 13-0026	EA		30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	52,215.35	1,360.62
23 52 39 13-0027	EA		40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	56,227.49	1,484.31
23 52 39 13-0028	EA		50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	61,064.36	1,608.00
23 52 39 13-0029	EA		60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	66,630.24	1,855.39
23 52 39 13-0030	EA		70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	69,555.11	1,979.08
23 52 39 13-0031	EA		80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	72,474.19	2,102.77
23 52 39 13-0032	EA		90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	75,153.85	2,164.62
23 52 39 13-0033	EA		100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	80,441.01	2,226.46
23 52 39 13-0034	EA		125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	93,013.86	2,473.85
23 52 39 13-0035	EA		150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	105,609.54	2,721.23
23 52 39 13-0036	EA		175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	115,851.23	2,999.54
23 52 39 13-0037	EA		200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	126,090.37	3,277.85
23 52 39 13-0038	EA		250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	133,355.14	3,834.47
23 52 39 13-0039	EA		300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	161,927.51	4,391.09
23 52 39 13-0040	EA		350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	175,485.92	4,947.70
23 52 39 13-0041	EA		400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	206,311.27	5,504.32
23 52 39 13-0042	EA		500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	249,982.22	6,060.93
23 52 39 13-0043	EA		600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	292,023.51	6,617.55
23 52 39 13-0044	EA		700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	332,266.72	7,174.16
23 52 39 13-0045	EA		800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	370,928.81	7,730.78
23 52 39 13-0046	EA		900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	407,986.59	8,287.39
23 52 39 13-0047	EA		1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	443,628.01	8,844.01
23 52 39 13-0048			15 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)		
23 52 39 13-0049	EA		30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	57,996.11	1,360.62
23 52 39 13-0050	EA		40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	62,443.36	1,484.31
23 52 39 13-0051	EA		50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	67,816.61	1,608.00
23 52 39 13-0052	EA		60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	71,429.99	1,855.39

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0053	EA		70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	74,552.87	1,979.08
23 52 39 13-0054	EA		80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	77,669.96	2,102.77
23 52 39 13-0055	EA		90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	80,545.11	2,164.62
23 52 39 13-0056	EA		100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	83,421.12	2,226.46
23 52 39 13-0057	EA		125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	96,477.71	2,473.85
23 52 39 13-0058	EA		150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	109,557.12	2,721.23
23 52 39 13-0059	EA		175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	120,179.78	2,999.54
23 52 39 13-0060	EA		200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	130,797.39	3,277.85
23 52 39 13-0061	EA		250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	138,272.70	3,834.47
23 52 39 13-0062	EA		300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	167,942.87	4,391.09
23 52 39 13-0063	EA		350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	181,972.48	4,947.70
23 52 39 13-0064	EA		400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	213,990.88	5,504.32
23 52 39 13-0065	EA		500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	259,388.74	6,060.93
23 52 39 13-0066	EA		600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	303,086.76	6,617.55
23 52 39 13-0067	EA		700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	344,916.52	7,174.16
23 52 39 13-0068	EA		800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	385,094.98	7,730.78
23 52 39 13-0069	EA		900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	423,606.47	8,287.39
23 52 39 13-0070	EA		1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	460,636.44	8,844.01
23 52 39 13-0071			150 PSI Steam Scotch Marine Boilers <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0072			150 PSI Gas Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0071)</small>		
23 52 39 13-0073	EA		40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	76,935.37	1,484.31
23 52 39 13-0074	EA		50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	83,561.81	1,608.00
23 52 39 13-0075	EA		60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	87,315.56	1,855.39
23 52 39 13-0076	EA		70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	91,493.63	1,979.08
23 52 39 13-0077	EA		80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	95,776.19	2,102.77
23 52 39 13-0078	EA		90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	98,734.06	2,164.62
23 52 39 13-0079	EA		100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	104,226.75	2,226.46
23 52 39 13-0080	EA		125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	117,842.26	2,473.85
23 52 39 13-0081	EA		150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	133,904.29	2,721.23
23 52 39 13-0082	EA		175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	146,872.94	2,999.54
23 52 39 13-0083	EA		200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	159,839.05	3,277.85
23 52 39 13-0084	EA		250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	168,607.66	3,834.47
23 52 39 13-0085	EA		300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	205,050.12	4,391.09
23 52 39 13-0086	EA		350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	221,969.56	4,947.70
23 52 39 13-0087	EA		400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	261,364.35	5,504.32
23 52 39 13-0088	EA		500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	317,421.93	6,060.93
23 52 39 13-0089	EA		600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	371,333.53	6,617.55
23 52 39 13-0090	EA		700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	422,945.76	7,174.16
23 52 39 13-0091	EA		800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	472,488.14	7,730.78
23 52 39 13-0092	EA		900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	519,957.50	8,287.39
23 52 39 13-0093	EA		1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	565,549.33	8,844.01
23 52 39 13-0094			150 PSI Oil Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0071)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0095	EA		40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	71,313.51	1,484.31
23 52 39 13-0096	EA		50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	77,453.71	1,608.00
23 52 39 13-0097	EA		60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	84,390.59	1,855.39
23 52 39 13-0098	EA		70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	88,047.33	1,979.08
23 52 39 13-0099	EA		80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	91,695.77	2,102.77
23 52 39 13-0100	EA		90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	95,102.29	2,164.62
23 52 39 13-0101	EA		100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	101,900.81	2,226.46
23 52 39 13-0102	EA		125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	117,950.04	2,473.85
23 52 39 13-0103	EA		150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	134,027.10	2,721.23
23 52 39 13-0104	EA		175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	147,008.29	2,999.54
23 52 39 13-0105	EA		200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	159,986.93	3,277.85
23 52 39 13-0106	EA		250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	168,760.55	3,834.47
23 52 39 13-0107	EA		300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	205,238.10	4,391.09
23 52 39 13-0108	EA		350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	222,172.57	4,947.70
23 52 39 13-0109	EA		400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	261,604.96	5,504.32
23 52 39 13-0110	EA		500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	317,715.18	6,060.93
23 52 39 13-0111	EA		600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	371,679.41	6,617.55
23 52 39 13-0112	EA		700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	423,339.27	7,174.16
23 52 39 13-0113	EA		800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	472,929.27	7,730.78
23 52 39 13-0114	EA		900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	520,443.74	8,287.39
23 52 39 13-0115	EA		1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	566,080.69	8,844.01
23 52 39 13-0116			150 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0071)		
23 52 39 13-0117	EA		40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	79,394.15	1,484.31
23 52 39 13-0118	EA		50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	86,231.13	1,608.00
23 52 39 13-0119	EA		60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	90,631.52	1,855.39
23 52 39 13-0120	EA		70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	94,543.92	1,979.08
23 52 39 13-0121	EA		80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	98,448.01	2,102.77
23 52 39 13-0122	EA		90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	102,112.69	2,164.62
23 52 39 13-0123	EA		100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	105,775.70	2,226.46
23 52 39 13-0124	EA		125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	122,454.04	2,473.85
23 52 39 13-0125	EA		150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	139,157.70	2,721.23
23 52 39 13-0126	EA		175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	152,632.65	2,999.54
23 52 39 13-0127	EA		200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	166,107.56	3,277.85
23 52 39 13-0128	EA		250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	175,154.38	3,834.47
23 52 39 13-0129	EA		300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	213,058.07	4,391.09
23 52 39 13-0130	EA		350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	230,604.10	4,947.70
23 52 39 13-0131	EA		400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	271,587.95	5,504.32
23 52 39 13-0132	EA		500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	329,946.41	6,060.93
23 52 39 13-0133	EA		600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	386,061.13	6,617.55
23 52 39 13-0134	EA		700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	439,783.76	7,174.16
23 52 39 13-0135	EA		800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	491,346.29	7,730.78
23 52 39 13-0136	EA		900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	540,748.09	8,287.39
23 52 39 13-0137	EA		1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	588,189.64	8,844.01

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

23 52 39 13-0138			125 PSI Water Scotch Marine Boilers <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0139			125 PSI Gas Fired Water Scotch Marine Boilers <small>(23 52 39 13-0138)</small>		
23 52 39 13-0140	EA		40 HP, 1,339 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	66,453.60	1,484.31
23 52 39 13-0141	EA		50 HP, 1,674 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	74,521.23	1,608.00
23 52 39 13-0142	EA		60 HP, 2,009 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	80,179.84	1,855.39
23 52 39 13-0143	EA		70 HP, 2,343 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	86,175.05	1,979.08
23 52 39 13-0144	EA		80 HP, 2,678 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,292.30	2,102.77
23 52 39 13-0145	EA		90 HP, 3,013 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	97,124.95	2,164.62
23 52 39 13-0146	EA		100 HP, 3,348 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	104,474.88	2,226.46
23 52 39 13-0147	EA		125 HP, 4,184 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	112,165.26	2,473.85
23 52 39 13-0148	EA		150 HP, 5,021 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	122,307.17	2,721.23
23 52 39 13-0149	EA		175 HP, 5,858 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	130,200.37	2,999.54
23 52 39 13-0150	EA		200 HP, 6,695 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	134,965.54	3,277.85
23 52 39 13-0151	EA		250 HP, 8,369 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	163,259.00	3,834.47
23 52 39 13-0152	EA		300 HP, 10,043 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	190,014.23	4,391.09
23 52 39 13-0153	EA		350 HP, 11,716 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	205,016.32	4,947.70
23 52 39 13-0154	EA		400 HP, 13,390 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	228,720.99	5,504.32
23 52 39 13-0155	EA		500 HP, 16,738 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	276,565.10	6,060.93
23 52 39 13-0156	EA		600 HP, 20,085 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	323,285.84	6,617.55
23 52 39 13-0157	EA		700 HP, 23,433 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	368,010.49	7,174.16
23 52 39 13-0158	EA		800 HP, 26,780 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	410,961.03	7,730.78
23 52 39 13-0159	EA		900 HP, 30,128 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	452,124.29	8,287.39
23 52 39 13-0160	EA		1,000 HP, 33,476 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	491,690.74	8,844.01
23 52 39 13-0161			125 PSI Oil Fired Water Scotch Marine Boilers <small>(23 52 39 13-0138)</small>		
23 52 39 13-0162	EA		40 HP, 1,339 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	61,661.37	1,484.31
23 52 39 13-0163	EA		50 HP, 1,674 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	69,127.45	1,608.00
23 52 39 13-0164	EA		60 HP, 2,009 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	77,515.53	1,855.39
23 52 39 13-0165	EA		70 HP, 2,343 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	82,949.31	1,979.08
23 52 39 13-0166	EA		80 HP, 2,678 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	88,374.79	2,102.77
23 52 39 13-0167	EA		90 HP, 3,013 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	93,558.34	2,164.62
23 52 39 13-0168	EA		100 HP, 3,348 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	102,143.93	2,226.46
23 52 39 13-0169	EA		125 HP, 4,184 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	112,268.03	2,473.85
23 52 39 13-0170	EA		150 HP, 5,021 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	122,417.45	2,721.23
23 52 39 13-0171	EA		175 HP, 5,858 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	130,318.17	2,999.54
23 52 39 13-0172	EA		200 HP, 6,695 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	135,088.35	3,277.85
23 52 39 13-0173	EA		250 HP, 8,369 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	163,406.88	3,834.47
23 52 39 13-0174	EA		300 HP, 10,043 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	190,187.17	4,391.09
23 52 39 13-0175	EA		350 HP, 11,716 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	205,201.80	4,947.70
23 52 39 13-0176	EA		400 HP, 13,390 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	228,929.02	5,504.32
23 52 39 13-0177	EA		500 HP, 16,738 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	276,818.25	6,060.93
23 52 39 13-0178	EA		600 HP, 20,085 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	323,584.10	6,617.55
23 52 39 13-0179	EA		700 HP, 23,433 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	368,351.36	7,174.16

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39	13-0180	EA	800 HP, 26,780 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	411,342.01	7,730.78
23 52 39	13-0181	EA	900 HP, 30,128 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	452,542.86	8,287.39
23 52 39	13-0182	EA	1,000 HP, 33,476 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	492,146.90	8,844.01
23 52 39	13-0183		125 PSI Gas/Oil Fired Water Scotch Marine Boilers (23 52 39 13-0138)		
23 52 39	13-0184	EA	40 HP, 1,339 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	68,548.95	1,484.31
23 52 39	13-0185	EA	50 HP, 1,674 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	76,877.24	1,608.00
23 52 39	13-0186	EA	60 HP, 2,009 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	83,200.05	1,855.39
23 52 39	13-0187	EA	70 HP, 2,343 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,032.34	1,979.08
23 52 39	13-0188	EA	80 HP, 2,678 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	94,858.85	2,102.77
23 52 39	13-0189	EA	90 HP, 3,013 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,443.42	2,164.62
23 52 39	13-0190	EA	100 HP, 3,348 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	106,028.85	2,226.46
23 52 39	13-0191	EA	125 HP, 4,184 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	116,533.92	2,473.85
23 52 39	13-0192	EA	150 HP, 5,021 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	127,064.32	2,721.23
23 52 39	13-0193	EA	175 HP, 5,858 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	135,248.26	2,999.54
23 52 39	13-0194	EA	200 HP, 6,695 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	140,171.33	3,277.85
23 52 39	13-0195	EA	250 HP, 8,369 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	169,577.64	3,834.47
23 52 39	13-0196	EA	300 HP, 10,043 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	197,380.54	4,391.09
23 52 39	13-0197	EA	350 HP, 11,716 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	212,926.52	4,947.70
23 52 39	13-0198	EA	400 HP, 13,390 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	237,551.04	5,504.32
23 52 39	13-0199	EA	500 HP, 16,738 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	287,345.13	6,060.93
23 52 39	13-0200	EA	600 HP, 20,085 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	335,963.21	6,617.55
23 52 39	13-0201	EA	700 HP, 23,433 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	382,505.00	7,174.16
23 52 39	13-0202	EA	800 HP, 26,780 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	427,192.48	7,730.78
23 52 39	13-0203	EA	900 HP, 30,128 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	470,019.99	8,287.39
23 52 39	13-0204	EA	1,000 HP, 33,476 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	511,175.49	8,844.01

23 53 Heating Boiler Feedwater Equipment (23 50)**23 53 13 Boiler Feedwater Pumps (23 53)**

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators (23 53)**23 53 16 00-0001 Boiler Feed System (23 53 16)****23 53 16 00-0002 Low Pressure Boiler Feed System (23 53 16 00-0001)**

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,326.61	1,504.04
23 53 16 00-0004	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,903.84	1,771.91
23 53 16 00-0005	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,269.49	1,833.99
23 53 16 00-0006	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,479.85	1,901.28
23 53 16 00-0007	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,877.02	2,031.96
23 53 16 00-0008	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	9,914.41	2,201.83
23 53 16 00-0009	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	11,051.48	2,352.10
23 53 16 00-0010	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	12,648.17	2,678.78
23 53 16 00-0011	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	13,845.11	2,874.80
23 53 16 00-0012	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	14,887.69	3,070.81

23 53 16 00-0013 High Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA	10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	6,558.35	1,282.29
23 53 16 00-0015	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	7,001.76	1,504.04
23 53 16 00-0016	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	7,903.34	1,771.91
23 53 16 00-0017	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,455.11	1,833.99
23 53 16 00-0018	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,635.86	1,901.28
23 53 16 00-0019	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,164.32	2,031.96
23 53 16 00-0020	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	12,761.21	2,201.83
23 53 16 00-0021	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,197.04	2,352.10
23 53 16 00-0022	EA	183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	14,431.30	2,518.84
23 53 16 00-0023	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	15,493.60	2,678.78

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

23 53 16 00-0024	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	16,575.51	2,874.80
23 53 16 00-0025	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	17,872.22	3,070.81

23 53 16 00-0026 Boiler Feedwater System (23 53 16)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027	EA	1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	8,369.88	1,771.91
23 53 16 00-0028	EA	2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	10,623.72	2,029.99
23 53 16 00-0029	EA	4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	13,657.50	2,323.35
23 53 16 00-0030	EA	6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	16,313.87	2,680.09
23 53 16 00-0031	EA	8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	17,343.93	2,874.80
23 53 16 00-0032	EA	11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	18,346.46	3,070.81
23 53 16 00-0033	EA	13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	20,524.12	3,528.29
23 53 16 00-0034	EA	17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	26,021.92	4,051.10
23 53 16 00-0035	EA	20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	33,188.35	4,680.95
23 53 16 00-0036	EA	27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	41,525.20	5,373.25
23 53 16 00-0037	EA	34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	52,410.57	6,182.11

23 53 16 00-0038 Duplex Vacuum Condensate Pumps (23 53 16)

23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	19,295.22	1,045.38
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	19,771.23	1,110.72
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	20,310.04	1,176.06
23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump..... Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	22,261.62	1,241.39
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump..... Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	26,410.85	1,306.73
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump..... Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	27,797.33	1,372.06

23 54 Furnaces (23 50)

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

23 54 13 Electric-Resistance Furnaces (23 54)

23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace (23 54 13)

23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,106.37	106.47
		Note: Excludes cooling equipment.		
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,460.42	133.09
		Note: Excludes cooling equipment.		
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,887.40	159.69
		Note: Excludes cooling equipment.		

23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace (23 54 13)

23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace	1,106.37	106.47
		Note: Excludes cooling equipment.		
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	1,322.12	119.78
		Note: Excludes cooling equipment.		
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	1,445.23	133.09
		Note: Excludes cooling equipment.		
23 54 13 00-0009	EA	>3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	1,513.65	146.40
		Note: Excludes cooling equipment.		
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	1,887.40	159.69
		Note: Excludes cooling equipment.		

23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace (23 54 13)

23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace	211.12	31.90
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace	240.59	35.09
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace	260.94	38.28
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace	349.65	41.46
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace	377.60	44.65

23 54 16 Fuel-Fired Furnaces (23 54)

23 54 16 13 Gas-Fired Furnaces (23 54 16)

23 54 16 13-0001 Natural Gas Fired Forced Air Furnaces (23 54 16 13)

Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.

23 54 16 13-0002 Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace (23 54 16 13-0001)

23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace	1,727.58	93.16
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace	1,841.56	106.47
		Note: Blower cooling capacity up to 3 tons.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 54 Furnaces**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,124.15		119.78
23 54 16 13-0006	EA	100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,484.29		146.40
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,651.46		159.69
23 54 16 13-0008		Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace^(23 54 16 13-0001)			
23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,921.99		93.16
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,105.87		106.47
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,234.69		119.78
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	1,909.16		133.09
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,637.71		146.40
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,782.09		159.69
23 54 16 13-0015		Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace^(23 54 16 13-0001)			
23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,694.08		93.16
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,944.79		106.47
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,112.01		133.09
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,256.38		146.40
23 54 16 13-0020		Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace^(23 54 16 13-0001)			
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,219.72		93.16
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	2,339.79		106.47
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,605.67		119.78
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,848.85		146.40
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	3,053.99		159.69
23 54 16 13-0026		Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace^(23 54 16 13-0001)			
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,542.24		93.16
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,627.38		106.47
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,815.79		119.78
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,830.98		119.78
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,998.15		133.09
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,107.59		146.40
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,235.25		159.69
23 54 16 13-0034		Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace^(23 54 16 13-0001)			
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,075.91		93.16
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,177.76		106.47
23 54 16 13-0037	EA	60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,346.42		119.78
23 54 16 13-0038	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,347.94		119.78
23 54 16 13-0039	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,480.17		133.09
23 54 16 13-0040	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,521.25		146.40
23 54 16 13-0041	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,689.93		159.69
23 54 16 13-0042		Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace^(23 54 16 13-0001)			
23 54 16 13-0043	EA	40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,091.10		93.16

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

23 54 16 13-0044	EA		60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,182.32	106.47
23 54 16 13-0045	EA		80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,414.78	119.78
23 54 16 13-0046	EA		100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,557.64	133.09

23 54 16 13-0047 75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)

23 54 16 13-0048	EA		35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	1,839.84	79.85
23 54 16 13-0049	EA		55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,124.76	99.86
23 54 16 13-0050	EA		35 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,665.16	79.85
23 54 16 13-0051	EA		40 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,779.88	86.55
23 54 16 13-0052	EA		50 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,765.48	93.16
23 54 16 13-0053	EA		65 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,819.51	99.86
23 54 16 13-0054	EA		75 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,883.43	99.86

23 54 16 16 Oil-Fired Furnaces (23 54 16)

23 54 16 16-0001 Oil Fired Forced Air Furnaces (23 54 16 16)
 Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.

23 54 16 16-0002 Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)

23 54 16 16-0003	EA		72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace..... Note: Blower cooling capacity up to 3 tons.	2,965.62	106.47
23 54 16 16-0004	EA		95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 4 tons.	3,158.73	146.40
23 54 16 16-0005	EA		126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 5 tons.	3,646.47	173.00

23 54 16 16-0006 Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)

23 54 16 16-0007	EA		95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 3 tons.	3,441.26	146.40
23 54 16 16-0008	EA		126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace..... Note: Blower cooling capacity up to 5 tons.	3,474.82	173.00

23 54 16 16-0009 Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)

23 54 16 16-0010	EA		95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	2,979.49	146.40
23 54 16 16-0011	EA		127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	3,537.10	173.00

23 54 19 Furnace Accessories (23 54)

23 54 19 00-0001	EA		LP Gas Furnace Conversion Kit	156.22	26.62
23 54 19 00-0002	EA		1" Furnace External Filter Rack.....	45.41	
23 54 19 00-0003	EA		Removal And Reinstallation Of Forced Air Furnace	492.90	

Note: Includes storage and cleaning. Excludes ductwork.

23 55 Fuel-Fired Heaters (23 50)

23 55 23 Gas-Fired Radiant Heaters (23 55)

23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters (23 55 23)

23 55 23 13-0001 Infrared Heaters-Radiant Energy (23 55 23 13)
 Note: For spot localized or total heating, ceiling hung units, no fan required.

23 55 23 13-0002 Gas Fired Electric Ignition Infrared Gas Heater (23 55 23 13-0001)
 Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.

23 55 23 13-0003	EA		15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	730.11	130.67
23 55 23 13-0004	EA		37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	831.37	143.74
23 55 23 13-0005	EA		50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	874.21	143.74
23 55 23 13-0006	EA		75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,084.74	172.49
23 55 23 13-0007	EA		100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,091.96	172.49

23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater (23 55 23 13-0001)

Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.

23 55 23 13-0009	EA		1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	763.64	117.11
			<i>For Stainless Steel Housing, Add</i>	102.19	
23 55 23 13-0010	EA		3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	807.66	117.11
			<i>For Stainless Steel Housing, Add</i>	113.20	
23 55 23 13-0011	EA		5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	857.97	117.11
			<i>For Stainless Steel Housing, Add</i>	125.77	
23 55 23 13-0012	EA		7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	918.45	117.11
			<i>For Stainless Steel Housing, Add</i>	140.89	
23 55 23 13-0013	EA		10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	995.31	127.76
			<i>For Stainless Steel Housing, Add</i>	157.00	
23 55 23 13-0014	EA		13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,059.92	138.40
			<i>For Stainless Steel Housing, Add</i>	169.07	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 55 Fuel-Fired Heaters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0015	EA		24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,633.93 301.91	149.05
23 55 23 13-0016			Gas Fired Tubular Infrared Heater (23 55 23 13-0001) Note: Includes controls and supports.		
23 55 23 13-0017			"U" Package (23 55 23 13-0016)		
23 55 23 13-0018	LF		Up To 75 MBH Input Radiant Heater	69.23	6.53
23 55 23 13-0019	LF		76 To 105 MBH Input Radiant Heater.....	80.24	7.84
23 55 23 13-0020	LF		106 To 130 MBH Input Radiant Heater.....	97.04	9.15
23 55 23 13-0021			"S" Straight Package (23 55 23 13-0016)		
23 55 23 13-0022	LF		Up To 75 MBH Input Radiant Heater	56.70	5.22
23 55 23 13-0023	LF		76 To 105 MBH Input Radiant Heater.....	71.36	6.53
23 55 23 13-0024	LF		106 To 130 MBH Input Radiant Heater.....	86.03	7.84
23 55 23 13-0025			Tube Type, High Efficiency (Condensing) Infrared Overhead Heating System - Radiant Heating for Total Heating or Spot Locations, Ceiling Hung Units (23 55 23 13) Note: Model CRV-B, (CORAYVAC® B Series) System as manufactured by Roberts Gordon LLC. Does not include beam clamps, hanger chain/rod, air intake/exhaust piping. Excludes shipping.		
23 55 23 13-0026			Burner Unit Packages (23 55 23 13-0025) Note: Natural or LP		
23 55 23 13-0027	EA		20,000 BTU/H Input, Model CRV B-2, Natural Gas Only (CORAYVAC® 0270002NG).....	942.77	87.12
23 55 23 13-0028	EA		40 To 120 MBTU/H Models; CRV B-4, 6, 8, 9, 10, 12A (Natural Gas Only), CRV B-12 (LP Gas Only) (CORAYVAC® 02700xxNG Or LP)	823.89	87.12
23 55 23 13-0029	EA		Combustion Chamber, Hot Rolled Steel (CORAYVAC® 02722300-1P).....	159.59	43.55
23 55 23 13-0030	EA		Combustion Chamber, Heat Treated Aluminized Steel (CORAYVAC® 02722301-1P)	165.24	43.55
23 55 23 13-0031	EA		Combustion Chamber, Double Porcelain Coated Steel (CORAYVAC® 0272230D-1P)	222.80	43.55
23 55 23 13-0032	EA		Outside Air Filter Housing (CORAYVAC® 01326801)	65.69	32.67
23 55 23 13-0033	EA		Outside Air Pressure Switch (CORAYVAC® 90434501)	121.94	65.34
23 55 23 13-0034	EA		Outside Air Blower (CORAYVAC® 90707501)	860.39	261.34
23 55 23 13-0035	EA		Outside Air Blower Mounting Kit (CORAYVAC® 01316000)	155.55	98.01
23 55 23 13-0036			Radiant Tubing and Fittings (23 55 23 13-0025)		
23 55 23 13-0037	LF		4" Tube, Hot Rolled Steel, 16 Gauge (CORAYVAC® 91409300)	10.61	5.44
23 55 23 13-0038	LF		4" Tube, Aluminized, Heat Treated, 16 Gauge (CORAYVAC® 91409408)	13.93	5.44
23 55 23 13-0039	LF		4" Tube, Double Porcelain Coated, 16 Gauge (CORAYVAC® 9141030D)	22.33	5.44
23 55 23 13-0040	LF		6" Tube, Aluminized, Heat Treated, 16 Gauge (CORAYVAC® E0009105)	22.51	5.44
23 55 23 13-0041	EA		4" Elbow, Aluminized (CORAYVAC® 01335801)	85.06	43.55
23 55 23 13-0042	EA		4" Elbow, Porcelain Coated (CORAYVAC® 0133580D)	112.41	43.55
23 55 23 13-0043	EA		6" Elbow, Aluminized (CORAYVAC® T0100320)	184.11	43.55
23 55 23 13-0044	EA		4" Tee, Hot Rolled (CORAYVAC® 02718600)	194.49	43.55
23 55 23 13-0045	EA		4" Tee, Aluminized (CORAYVAC® 02718603)	202.98	43.55
23 55 23 13-0046	EA		6" Tee, Aluminized (CORAYVAC® 01330204)	194.49	43.55
23 55 23 13-0047	EA		4" Tee, Double Porcelain Coated (CORAYVAC® 02718602)	216.19	43.55
23 55 23 13-0048	EA		4" Cross, Aluminized (CORAYVAC® 01330903)	211.06	54.45
23 55 23 13-0049	EA		6" Cross, Aluminized (CORAYVAC® 01330904)	296.89	54.45
23 55 23 13-0050	EA		4" Cross, Double Porcelain Coated (CORAYVAC® 0133092D)	206.33	54.45
23 55 23 13-0051	EA		4" Coupling, Plain (CORAYVAC® 01312700)	37.30	10.89
23 55 23 13-0052	EA		6" Coupling, Plain (CORAYVAC® 01312706)	44.85	10.89
23 55 23 13-0053	EA		4" Coupling, Lined (CORAYVAC® 01312701)	42.02	10.89
23 55 23 13-0054	EA		4" Coupling, Damper (CORAYVAC® 01331900)	136.10	65.34
23 55 23 13-0055	EA		6" Coupling, Damper (CORAYVAC® E0009356)	137.98	65.34
23 55 23 13-0056	EA		4" To 6" Aluminized Adapter (CORAYVAC® 91418200)	99.15	21.79
23 55 23 13-0057	EA		4" "U" Tube Assembly, Plain (CORAYVAC® 03011000)	213.36	43.55
23 55 23 13-0058	EA		4" "U" Tube Assembly, Stainless Steel (CORAYVAC® 030110SS)..... Note: Includes "U" tube support bracket, reflector end cap, reflector support, S hook and turnbuckle.	255.81	43.55
23 55 23 13-0059			Reflectors, Hangers, Shields and Accessories (23 55 23 13-0025)		
23 55 23 13-0060	LF		Reflector, Aluminum 8" (CORAYVAC® 02750303)	9.99	3.11
23 55 23 13-0061	LF		Reflector With Burner Mounting Hole, Aluminum (CORAYVAC® 02750304).....	12.21	4.66
23 55 23 13-0062	LF		Reflector, Stainless Steel 8" (CORAYVAC® 027503SS)..... Note: Need 1" overlap per reflector.	28.58	3.11
23 55 23 13-0063	LF		Reflector With Burner Mounting Hole, Stainless Steel (CORAYVAC® 027503SH).....	36.46	4.66
23 55 23 13-0064	LF		Reflector Side Extensions, Aluminum, 8" (CORAYVAC® 02712700)	13.16	7.77
23 55 23 13-0065	LF		Reflector Side Extensions, Stainless Steel, 8" (CORAYVAC® 027127SS)	34.18	7.77
23 55 23 13-0066	LF		Reflector Side Extension Brackets (CORAYVAC® 01329910)..... Note: Two needed per reflector side extension.	4.86	3.11
23 55 23 13-0067	EA		End Cap, Reflector, Aluminum (CORAYVAC® 02750800).....	15.60	10.89
23 55 23 13-0068	EA		End Cap, Reflector, Stainless Steel (CORAYVAC® 027508SS).....	35.42	10.89
23 55 23 13-0069	EA		Joint, Reflector, Aluminum (CORAYVAC® 02750900)..... Note: Includes modification to reflector.	74.26	54.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0070	EA		Joint, Reflector, Stainless Steel (CORAYVAC® 027509SS) Note: Includes modification to reflector.	98.79	54.45
23 55 23 13-0071	EA		Reflector Support Strap and Wire Form (CORAYVAC® 03050010)..... Note: One needed per reflector.	12.20	6.53
23 55 23 13-0072	EA		Tube And Reflector Hanger (CORAYVAC® 03090100) Note: Includes "S" hook and turnbuckle.	39.28	32.67
23 55 23 13-0073	EA		Turnbuckle (CORAYVAC® 91903201)..... Note: One needed per tube and reflector hanger and one needed per combustion chamber.	10.30	6.53
23 55 23 13-0074			Vacuum Pump and Accessories (23 55 23 13-0025)		
23 55 23 13-0075	EA		EP-100 Vacuum Pump, 1/3 HP, 115/230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02719105) Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	1,390.60	522.69
23 55 23 13-0076	EA		EP-201 Vacuum Pump, 3/4 HP, 115/230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02716305) Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	1,702.86	522.69
23 55 23 13-0077	EA		EP-203 Vacuum Pump, 3/4 HP, 208-230/460 Volt, 60 Hertz, 3 Phase And Accessories, 4" Inlet (CORAYVAC® 02712034) Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	1,803.80	522.69
23 55 23 13-0078	EA		EP-301 Vacuum Pump, 2 HP, 208-230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02723014) Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	2,459.61	566.25
23 55 23 13-0079	EA		EP-301 Vacuum Pump, 2 HP, 208-230 Volt, 60 Hertz, 1 Phase And Accessories, 6" Inlet (CORAYVAC® 02723016) Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	2,486.03	566.25
23 55 23 13-0080	EA		EP-303 Vacuum Pump, 2 HP, 208-230/480 Volt, 60 Hertz, 3 Phase And Accessories, 4" Inlet (CORAYVAC® 02723034) Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	2,656.77	566.25
23 55 23 13-0081	EA		EP-303 Vacuum Pump, 2 HP, 208-230/480 Volt, 60 Hertz, 3 Phase And Accessories, 6" Inlet (CORAYVAC® 02723036) Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	2,681.31	566.25
23 55 23 13-0082	EA		Contact Package For EP-301, 120 Volt AC Coil, 230 Volt AC, 2 HP, 1 Phase (CORAYVAC® 10050009).....	494.49	43.55
23 55 23 13-0083	EA		Condensate Valve (CORAYVAC® 01327001)	49.14	21.79
23 55 23 13-0084	EA		Drain Cap 4" (CORAYVAC® 02718851)	47.26	21.79
23 55 23 13-0085	EA		Drain Cap 6" (CORAYVAC® 02718852)	50.10	21.79
23 55 23 13-0086			Controls and Accessories (23 55 23 13-0025)		
23 55 23 13-0087	EA		System Control, CORAYVAC® Control Panel (CORAYVAC® 02770002)..... Note: For up to two complete CORAYVAC® systems totaling up to four heater zones. With pre-purge and post-purge control. Thermostats needed for each zone.	1,052.35	130.67
23 55 23 13-0088	EA		Load Relay Package (CORAYVAC® 05023000).....	79.33	21.79
23 55 23 13-0089	EA		Transformer Relay SPST (CORAYVAC® 90417600)..... Note: For basic one zone control without control panel. Thermostats needed for each zone.	64.24	21.79
23 55 23 13-0090	EA		Transformer Relay DPST (CORAYVAC® 90436300) Note: For basic two zone control without control panel. Thermostats needed for each zone.	101.97	21.79
23 55 23 13-0091	EA		Thermostat 24 Volt (CORAYVAC® 90423000)	455.98	21.79
23 55 23 13-0092	EA		Thermostat 120 Volt (CORAYVAC® 90439400) Note: Marked 1 to 5.	50.10	21.79
23 55 23 13-0093			ULTRAVAC™ Building Management Controls (23 55 23 13-0025) Note: Featuring high-efficiency CORAYVAC® burner with modulation for enhanced fuel savings.		
23 55 23 13-0094	EA		ULTRAVAC™ Central Control, Model URVCCCL (CORAYVAC®) Note: Includes windows-based comprehensive building management software, Local Area Computer Network (LAN TCP/IP) interface card, modem and one outdoor sensor.	2,858.45	261.34
23 55 23 13-0095	EA		ULTRAVAC™ Control, Model URVCCM (CORAYVAC®) Note: Includes windows-based comprehensive building management software, modem and one outdoor sensor.	2,458.46	261.34
23 55 23 13-0096	EA		ULTRAVAC™ Control, Model URVCCR (CORAYVAC®) Note: Includes windows-based comprehensive building management software, RS-485 adapter for hardware communications to remote PC, modem and one outdoor sensor.	2,576.39	261.34
23 55 23 13-0097	EA		ULTRAVAC™ Satellite Controller (CORAYVAC® URVSC)	2,112.25	261.34
23 55 23 13-0098	EA		Enclosure NEMA 4 for ULTRAVAC™ Controller (CORAYVAC® 10080302)	1,086.08	65.34
23 55 23 13-0099	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 115 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD75115)	1,758.35	98.01
23 55 23 13-0100	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 230 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD75230)	1,607.41	98.01
23 55 23 13-0101	EA		Variable Frequency Drive For ULTRAVAC™, 2 HP, 230 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD20230).....	1,575.34	98.01
23 55 23 13-0102	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 115 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD75115N4).....	2,397.97	98.01
23 55 23 13-0103	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 230 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD75230N4).....	1,851.75	98.01
23 55 23 13-0104	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 460 Volt, 3 Phase Input, NEMA 1 (CORAYVAC® VFD75460)	1,753.64	98.01
23 55 23 13-0105	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 460 Volt, 3 Phase Input, NEMA 4 (CORAYVAC® VFD75460N4).....	2,055.52	98.01
23 55 23 13-0106	EA		Variable Frequency Drive For ULTRAVAC™, 2 HP, 230 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD20230N4).....	2,439.48	98.01
23 55 23 13-0107	EA		Variable Frequency Drive For ULTRAVAC™, 2 HP, 460 Volt, 3 Phase Input, NEMA 1 (CORAYVAC® VFD20460).....	1,745.15	98.01
23 55 23 13-0108	EA		Variable Frequency Drive For ULTRAVAC™, 2 HP, 460 Volt, 3 Phase Input, NEMA 4 (CORAYVAC® VFD20460N4).....	2,444.19	98.01
23 55 23 13-0109	EA		Indoor Zone Sensor For ULTRAVAC™, Degrees F (CORAYVAC® 10081500)	207.63	21.79
23 55 23 13-0110	EA		Outdoor Temperature Sensor For ULTRAVAC™, Degrees F (CORAYVAC® 10081501)	144.23	98.01
			Note: Can be used for indoor NEMA 4 sensor.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 55 Fuel-Fired Heaters**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 55 23 13-0111	High Efficiency Modulating Radiant Tube Heaters, Non-Condensing <small>(23 55 23 13-0025)</small>		
	Note: Natural or LP Gas. Model CTH3, (VANTAGE® Modulating Series) manufactured by Roberts Gordon LLC. Complete heater includes high efficiency fully modulating burner with simultaneous fuel and combustion air modulation for ensured efficiency and proper combustion, heat treated aluminized steel tubing, continuous overlapping reflectors, reflector end caps, 36" flexible gas line and gas shut off, tube clamp, "S" hooks for each hanger for installation. Exclude beam clamps, hanger chain/rod, and air intake/exhaust piping. For "U" tube installation or other non-standard installation, use above for fittings and parts. Excludes shipping.		
23 55 23 13-0112	EA CTH3-80, 20 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH380-20A)	2,651.18	792.75
23 55 23 13-0113	EA CTH3-80, 30 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH380-30A)	2,868.18	792.75
23 55 23 13-0114	EA CTH3-115, 30 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3115-30A)	2,843.66	792.75
23 55 23 13-0115	EA CTH3-115, 40 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3115-40A)	3,201.09	947.37
23 55 23 13-0116	EA CTH3-150, 40 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3150-40A)	3,192.61	947.37
23 55 23 13-0117	EA CTH3-150, 50 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3150-50A)	3,597.23	1,102.00
23 55 23 13-0118	EA CTH3-200, 50 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3200-50A)	3,597.23	1,102.00
23 55 23 13-0119	EA CTH3-200, 60 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3200-60A)	3,909.40	1,228.32
23 55 23 13-0120	EA U Tube Package For Even Length Heaters (20, 40 Or 60 FT) (CORAYVAC® 03011000).....	213.36	43.55
23 55 23 13-0121	EA U Tube Package For Odd Length Heaters (30 Or 50 FT) (CORAYVAC® 03011002).....	290.81	65.34
23 55 23 13-0122	EA Elbow Package, Aluminized Steel (CORAYVAC® 02718702).....	139.78	43.55
23 55 23 13-0123	EA Zone Sensor For CTH3 Systems (CORAYVAC® 10081530).....	101.97	21.79

23 55 33 Fuel-Fired Unit Heaters (23 55)**23 55 33 00-0001 Gas Fired Unit Heaters (23 55 33)****23 55 33 00-0002 Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt (23 55 33 00-0001)**

23 55 33 00-0003	EA 24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,532.04	225.51
23 55 33 00-0004	EA 36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,696.53	270.62
23 55 33 00-0005	EA 48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,719.17	270.62
23 55 33 00-0006	EA 60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,894.59	315.71
23 55 33 00-0007	EA 72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,095.30	360.82
23 55 33 00-0008	EA 81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,245.49	383.37
23 55 33 00-0009	EA 101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,302.59	383.37
23 55 33 00-0010	EA 121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,253.65	383.37
23 55 33 00-0011	EA 141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,638.57	405.92
23 55 33 00-0012	EA 162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,861.48	405.92
23 55 33 00-0013	EA 202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,046.33	405.92
23 55 33 00-0014	EA 243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,613.33	451.03
23 55 33 00-0015	EA 283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,031.97	451.03
23 55 33 00-0016	EA 324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,335.93	496.13

23 55 33 00-0017 Oil Fired Unit Heater (23 55 33)**23 55 33 00-0018 Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt (23 55 33 00-0017)**

23 55 33 00-0019	EA 97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	5,880.25	601.36
23 55 33 00-0020	EA 142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	6,321.15	661.50
23 55 33 00-0021	EA 188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	6,798.83	721.63

23 55 33 00-0022 Removal And Reinstallation Of Unit Heaters (23 55 33)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 00-0023	EA Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater.....	751.37	
23 55 33 00-0024	EA Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	1,012.71	

23 57 Heat Exchangers for HVAC (23 50)**23 57 13 Steam-To-Steam Heat Exchangers (23 57)****23 57 13 00-0001 Steam Generator Heat Exchanger (23 57 13)**

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

23 57 13 00-0002	EA 75 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	14,193.71	2,090.76
23 57 13 00-0003	EA 300 LB/Hour Steam Generator Heat Exchanger, 35 PSI	18,580.00	2,221.43
23 57 13 00-0004	EA 525 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	24,732.19	2,685.94

23 57 16 Steam-To-Water Heat Exchangers (23 57)**23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI (23 57 16)**

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA 8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,628.33	326.68
	For Bronze Head And Tube Sheet, Add	536.74	
	For Copper Nickel Tubes, Add	119.28	
	For Double Wall Tube Bundles, Add	178.91	
23 57 16 00-0003	EA 10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,328.86	326.68
	For Bronze Head And Tube Sheet, Add	812.78	
	For Copper Nickel Tubes, Add	180.62	
	For Double Wall Tube Bundles, Add	270.93	
23 57 16 00-0004	EA 40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,447.81	457.35
	For Bronze Head And Tube Sheet, Add	1,257.50	
	For Copper Nickel Tubes, Add	279.45	
	For Double Wall Tube Bundles, Add	419.17	

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

23 57 16 00-0005	EA 64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,566.56	457.35
	<i>For Bronze Head And Tube Sheet, Add</i>	1,916.92	
	<i>For Copper Nickel Tubes, Add</i>	425.98	
	<i>For Double Wall Tube Bundles, Add</i>	638.97	
23 57 16 00-0006	EA 96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	7,290.46	538.37
	<i>For Bronze Head And Tube Sheet, Add</i>	2,545.67	
	<i>For Copper Nickel Tubes, Add</i>	565.71	
	<i>For Double Wall Tube Bundles, Add</i>	848.56	
23 57 16 00-0007	EA 120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	9,543.31	665.87
	<i>For Bronze Head And Tube Sheet, Add</i>	3,343.11	
	<i>For Copper Nickel Tubes, Add</i>	742.91	
	<i>For Double Wall Tube Bundles, Add</i>	1,114.37	
23 57 16 00-0008	EA 168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	11,847.40	999.42
	<i>For Bronze Head And Tube Sheet, Add</i>	4,094.55	
	<i>For Copper Nickel Tubes, Add</i>	909.90	
	<i>For Double Wall Tube Bundles, Add</i>	1,364.85	
23 57 16 00-0009	EA 240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	17,612.22	999.42
	<i>For Bronze Head And Tube Sheet, Add</i>	6,379.52	
	<i>For Copper Nickel Tubes, Add</i>	1,417.67	
	<i>For Double Wall Tube Bundles, Add</i>	2,126.51	

23 57 19 Liquid-To-Liquid Heat Exchangers (23 57)

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers (23 57 19)

23 57 19 13-0001 Plate And Frame Heat Exchanger (23 57 19 13)

23 57 19 13-0002	EA 8" W x 18-7/8"H Plate And Frame Heat Exchanger.....	2,551.94	326.68
23 57 19 13-0003	EA 8" W x 24-9/16"H Plate And Frame Heat Exchanger.....	3,292.85	326.68
23 57 19 13-0004	EA 11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger.....	4,349.60	392.02
23 57 19 13-0005	EA 16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger.....	5,804.23	424.69
23 57 19 13-0006	EA 16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger.....	6,313.61	424.69
23 57 19 13-0007	EA 24" W x 57-11/16"H Plate And Frame Heat Exchanger.....	8,138.69	457.35
23 57 19 13-0008	EA 26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger.....	8,555.45	457.35
23 57 19 13-0009	EA 24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger.....	10,538.28	522.69
23 57 19 13-0010	EA 24" W x 69-11/16"H Plate And Frame Heat Exchanger.....	12,845.28	588.02
23 57 19 13-0011	EA 26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger.....	13,308.35	588.02
23 57 19 13-0012	EA 24" W x 89-13/16"H Plate And Frame Heat Exchanger.....	16,423.93	674.61
23 57 19 13-0013	EA 26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger.....	19,756.33	741.94
23 57 19 13-0014	EA 40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger.....	22,764.44	809.28

23 57 19 19 Water-To-Water Heat Exchanger (23 57 19)

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19)

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA 7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,900.96	326.68
	<i>For Copper Nickel Tubes, Add</i>	146.54	
	<i>For Double Wall Tube Bundles, Add</i>	219.81	
23 57 19 19-0003	EA 16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,601.49	326.68
	<i>For Copper Nickel Tubes, Add</i>	207.88	
	<i>For Double Wall Tube Bundles, Add</i>	311.82	
23 57 19 19-0004	EA 34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,822.67	457.35
	<i>For Copper Nickel Tubes, Add</i>	316.93	
	<i>For Double Wall Tube Bundles, Add</i>	475.40	
23 57 19 19-0005	EA 55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,437.69	457.35
	<i>For Copper Nickel Tubes, Add</i>	456.65	
	<i>For Double Wall Tube Bundles, Add</i>	684.98	
23 57 19 19-0006	EA 74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	6,759.25	522.69
	<i>For Copper Nickel Tubes, Add</i>	562.30	
	<i>For Double Wall Tube Bundles, Add</i>	843.45	
23 57 19 19-0007	EA 86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	8,940.95	522.69
	<i>For Copper Nickel Tubes, Add</i>	756.55	
	<i>For Double Wall Tube Bundles, Add</i>	1,134.82	
23 57 19 19-0008	EA 112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	11,022.41	499.71
	<i>For Copper Nickel Tubes, Add</i>	940.57	
	<i>For Double Wall Tube Bundles, Add</i>	1,410.86	
23 57 19 19-0009	EA 126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	13,686.20	499.71
	<i>For Copper Nickel Tubes, Add</i>	1,172.31	
	<i>For Double Wall Tube Bundles, Add</i>	1,758.46	
23 57 19 19-0010	EA 152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	17,493.16	499.71
	<i>For Copper Nickel Tubes, Add</i>	1,499.46	
	<i>For Double Wall Tube Bundles, Add</i>	2,249.19	

23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)

23 57 19 23-0001 Heat Exchanger Refrigerant To Water (23 57 19 23)

23 57 19 23-0002	EA 10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	2,163.02	261.34
	<i>For Copper Nickel Tubes, Add</i>	164.03	
	<i>For Double Wall Tube Bundles, Add</i>	246.05	
23 57 19 23-0003	EA 53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	5,510.29	435.54
	<i>For Copper Nickel Tubes, Add</i>	463.91	
	<i>For Double Wall Tube Bundles, Add</i>	695.87	
23 57 19 23-0004	EA 70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	7,405.81	568.16
	<i>For Copper Nickel Tubes, Add</i>	627.15	
	<i>For Double Wall Tube Bundles, Add</i>	940.73	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 57 Heat Exchangers for HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	8,019.96	687.73
		<i>For Copper Nickel Tubes, Add</i>	664.74	
		<i>For Double Wall Tube Bundles, Add</i>	997.10	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	9,633.14	793.67
		<i>For Copper Nickel Tubes, Add</i>	802.02	
		<i>For Double Wall Tube Bundles, Add</i>	1,203.03	

23 60 Central Cooling Equipment ⁽²³⁾**23 61 Refrigerant Compressors** ^(23 60)**23 61 16 Reciprocating Refrigerant Compressors** ^(23 61)**23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors** ^(23 61 16)

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	532.64	123.29
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	611.55	123.29
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	817.85	154.06
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	980.61	154.06
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	1,079.24	154.06
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,097.33	160.28
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,103.08	160.28
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,208.30	172.61
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	1,298.72	184.94
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,412.13	197.27
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	1,581.46	197.27
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,763.93	209.60
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	1,808.34	221.93
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,840.38	228.04
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	3,230.88	1,193.75
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	4,582.54	1,364.23
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	5,934.37	1,534.82
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	7,599.21	1,662.61
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	9,264.43	1,790.63
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	11,117.31	2,148.75
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	13,194.96	2,309.49
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	15,173.96	2,441.77
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	19,589.48	2,754.84
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	22,821.84	2,827.09
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	28,136.60	2,899.22
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	29,476.18	2,935.41
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	30,761.12	2,971.47
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	33,168.75	3,043.60
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	35,361.26	3,115.96
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	37,923.21	3,421.21
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	39,682.31	3,497.78
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	41,177.40	3,542.30
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	42,552.93	3,651.90
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	43,660.11	3,728.47
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	44,804.84	3,830.63
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	45,856.97	3,871.82
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	46,944.72	3,935.89
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	48,349.27	4,201.34
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	49,690.55	4,427.82

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors ^(23 61 16)

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons ^(23 61 16 00-0041)

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,269.51	123.29
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,313.04	123.29
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,418.22	154.06
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,461.72	154.06
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,483.49	154.06
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,530.65	160.28
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,578.54	160.28
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,694.60	172.61
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,806.33	184.94
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,961.54	197.27
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,048.61	197.27
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,203.84	209.60
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,620.27	221.93
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,871.99	228.04

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors ^(23 61 16 00-0041)

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,590.89	613.93
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	6,871.72	767.41
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	11,508.36	934.26
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	14,671.04	1,074.37
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	16,202.05	1,193.75
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	17,961.44	1,342.97

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

23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	23,251.34	1,534.82
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	29,947.42	1,534.82
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	36,998.11	1,790.63
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	41,662.73	1,918.53
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	44,021.73	2,010.60
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	45,251.53	2,109.92
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	46,541.31	2,118.10
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	48,889.22	2,217.77
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	51,261.62	2,309.49

23 61 19 Scroll Refrigerant Compressors (23 61)

23 61 19 00-0001 Scroll Refrigerant Compressors (23 61 19)				
23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor.....	1,193.40	197.03
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor	1,253.34	209.71
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor	1,288.61	221.82
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor	1,315.13	228.15
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor	1,632.89	288.07
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor	3,032.66	432.10
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor	3,476.26	504.12
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor	3,902.23	576.13
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor	4,712.78	691.36
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor	5,532.19	777.78
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor	6,457.18	864.20
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor	9,057.08	1,152.27
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor	10,303.82	1,440.33
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor	11,140.97	1,728.40

23 61 23 Rotary-Screw Refrigerant Compressors (23 61)

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors (23 61 23)				
23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type	52,830.27	2,935.41
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type	54,445.89	2,971.47
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type	57,949.38	3,043.60
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type	61,415.68	3,115.96
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type	66,062.47	3,421.21
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type	70,123.37	3,497.78
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type	74,099.84	3,542.30
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type	78,207.09	3,651.90
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type	82,271.19	3,728.47
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type	87,991.23	3,830.63
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type	91,994.42	3,871.82
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type	93,852.60	3,935.89
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type	105,385.19	4,201.34
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type	116,771.45	4,427.82

23 62 Packaged Compressor and Condenser Units (23 62)

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors (23 62 13)				
Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.				
23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	6,240.92	1,064.69
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	13,341.01	1,140.75
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	23,106.15	1,216.80
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	27,310.32	1,292.84
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	32,332.28	1,368.89
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	35,833.89	1,520.99
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	36,939.70	1,711.08
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	39,790.18	1,959.08
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	42,469.54	2,122.33
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	48,618.57	2,285.59
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	54,945.88	2,530.47
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	58,046.22	2,623.79
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	65,471.02	2,787.78
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	71,525.45	2,951.76

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.				
23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	5,976.82	1,064.69
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	11,837.84	1,140.75
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	18,243.18	1,216.80
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	19,694.66	1,292.84
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	21,146.15	1,368.89
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	25,020.95	1,520.99

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 62 Packaged Compressor and Condenser Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	28,345.92	1,711.08
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	36,253.32	1,959.08
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	40,630.93	2,122.33
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	43,910.84	2,285.59
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	50,528.63	2,530.47
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	53,488.86	2,623.79
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	58,640.68	2,787.78
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	66,785.23	2,951.76

23 62 13 00-0031**Packaged Chiller With Remote Air Cooled Condenser (23 62 13)**

Note: With remote air cooled condenser rated by cooling capacity, Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air Cooled Condensers	43,799.96	9,518.58
		<i>For Gas Fired Engine Driven, Add</i>	7,332.93	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air Cooled Condensers	49,278.90	10,033.09
		<i>For Gas Fired Engine Driven, Add</i>	8,351.58	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air Cooled Condensers	57,025.56	10,918.26
		<i>For Gas Fired Engine Driven, Add</i>	9,768.18	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air Cooled Condensers	63,612.13	11,600.72
		<i>For Gas Fired Engine Driven, Add</i>	10,983.19	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air Cooled Condensers	79,106.08	12,800.78
		<i>For Gas Fired Engine Driven, Add</i>	13,902.06	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air Cooled Condensers	87,066.83	13,257.89
		<i>For Gas Fired Engine Driven, Add</i>	15,425.67	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air Cooled Condensers	94,587.29	14,277.76
		<i>For Gas Fired Engine Driven, Add</i>	16,776.86	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air Cooled Condensers	114,559.44	15,276.71
		<i>For Gas Fired Engine Driven, Add</i>	20,592.91	
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air Cooled Condensers	115,840.10	15,536.76
		<i>For Gas Fired Engine Driven, Add</i>	20,838.66	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air Cooled Condensers	118,029.77	16,212.33
		<i>For Gas Fired Engine Driven, Add</i>	21,175.32	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air Cooled Condensers	130,737.09	16,949.28
		<i>For Gas Fired Engine Driven, Add</i>	23,606.30	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air Cooled Condensers	144,429.33	17,756.41
		<i>For Gas Fired Engine Driven, Add</i>	26,223.74	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air Cooled Condensers	159,906.88	18,644.18
		<i>For Gas Fired Engine Driven, Add</i>	29,186.15	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air Cooled Condensers	172,790.33	19,625.49
		<i>For Gas Fired Engine Driven, Add</i>	31,615.72	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air Cooled Condensers	190,473.50	20,715.75
		<i>For Gas Fired Engine Driven, Add</i>	34,988.89	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units (23 62)**23 62 23 00-0001 Water Cooled Condensing Units (23 62 23)**

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002	EA	5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	5,118.34	835.90
23 62 23 00-0003	EA	10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	7,730.19	1,220.77
23 62 23 00-0004	EA	15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,796.78	1,323.01
23 62 23 00-0005	EA	20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	10,870.40	1,587.60
23 62 23 00-0006	EA	30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	11,851.14	1,867.84
23 62 23 00-0007	EA	60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	24,170.41	2,683.43
23 62 23 00-0008	EA	80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	29,933.25	3,238.67
23 62 23 00-0009	EA	120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	40,740.72	3,543.60

23 63 Refrigerant Condensers (23 60)**23 63 13 Air-Cooled Refrigerant Condensers (23 63)****23 63 13 00-0001 Air Cooled Condensing Units (23 63 13)**

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum NYC EER requirements. Excludes piping and power wiring.

23 63 13 00-0002	EA	6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	5,230.50	835.90
		<i>For >10 To 25, Deduct</i>	-118.93	
		<i>For >25 To 50, Deduct</i>	-198.22	
		<i>For >50, Deduct</i>	-317.16	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	831.89	
		<i>For Winter Start Control, Add</i>	285.18	
23 63 13 00-0003	EA	7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	6,260.78	992.25
		<i>For >10 To 25, Deduct</i>	-142.72	
		<i>For >25 To 50, Deduct</i>	-237.87	
		<i>For >50, Deduct</i>	-380.59	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	756.44	
		<i>For Winter Start Control, Add</i>	245.49	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0004 EA 10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	8,108.36	1,220.77
For >10 To 25, Deduct	-187.74	
For >25 To 50, Deduct	-312.90	
For >50, Deduct	-500.64	
For Low Ambient Protection, 0 Degree F, Add	900.65	
For Winter Start Control, Add	310.20	
23 63 13 00-0005 EA 12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	9,922.48	1,270.08
For >10 To 25, Deduct	-239.94	
For >25 To 50, Deduct	-399.91	
For >50, Deduct	-639.85	
For Low Ambient Protection, 0 Degree F, Add	1,040.96	
For Winter Start Control, Add	352.40	
23 63 13 00-0006 EA 15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	11,742.77	1,323.01
For >10 To 25, Deduct	-292.15	
For >25 To 50, Deduct	-486.91	
For >50, Deduct	-779.06	
For Low Ambient Protection, 0 Degree F, Add	1,085.43	
For Winter Start Control, Add	297.84	
23 63 13 00-0007 EA 20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	15,081.11	1,587.60
For >10 To 25, Deduct	-380.27	
For >25 To 50, Deduct	-633.78	
For >50, Deduct	-1,014.05	
For Low Ambient Protection, 0 Degree F, Add	1,361.90	
For Winter Start Control, Add	367.30	
23 63 13 00-0008 EA 25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	17,112.91	1,707.88
For >10 To 25, Deduct	-435.83	
For >25 To 50, Deduct	-726.38	
For >50, Deduct	-1,162.20	
For Low Ambient Protection, 0 Degree F, Add	1,445.36	
For Winter Start Control, Add	403.82	
23 63 13 00-0009 EA 30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	19,583.18	1,864.23
For >10 To 25, Deduct	-502.88	
For >25 To 50, Deduct	-838.13	
For >50, Deduct	-1,341.00	
For Low Ambient Protection, 0 Degree F, Add	1,543.29	
For Winter Start Control, Add	449.69	
23 63 13 00-0010 EA 40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	26,679.62	2,134.55
For >10 To 25, Deduct	-701.63	
For >25 To 50, Deduct	-1,169.39	
For >50, Deduct	-1,871.02	
For Low Ambient Protection, 0 Degree F, Add	1,992.37	
For Winter Start Control, Add	563.07	
23 63 13 00-0011 EA 50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	32,435.13	2,683.43
For >10 To 25, Deduct	-848.90	
For >25 To 50, Deduct	-1,414.84	
For >50, Deduct	-2,263.74	
For Low Ambient Protection, 0 Degree F, Add	2,166.47	
For Winter Start Control, Add	555.32	
23 63 13 00-0012 EA 60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	37,282.32	2,961.68
For >10 To 25, Deduct	-985.06	
For >25 To 50, Deduct	-1,641.77	
For >50, Deduct	-2,626.83	
For Low Ambient Protection, 0 Degree F, Add	2,425.15	
For Winter Start Control, Add	608.87	
23 63 13 00-0013 EA 80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	48,098.24	3,238.67
For >10 To 25, Deduct	-1,293.11	
For >25 To 50, Deduct	-2,155.18	
For >50, Deduct	-3,448.29	
For Low Ambient Protection, 0 Degree F, Add	2,972.80	
For Winter Start Control, Add	714.98	
23 63 13 00-0014 EA 100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	66,121.65	2,916.07
For >10 To 25, Deduct	-1,805.56	
For >25 To 50, Deduct	-3,009.27	
For >50, Deduct	-4,814.83	
For Low Ambient Protection, 0 Degree F, Add	3,289.62	
For Winter Start Control, Add	894.55	
23 63 13 00-0015 EA 120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	81,169.67	3,014.92
For >10 To 25, Deduct	-2,250.97	
For >25 To 50, Deduct	-3,751.61	
For >50, Deduct	-6,002.58	
For Low Ambient Protection, 0 Degree F, Add	3,785.33	
23 63 13 00-0016 Air Cooled Condensing Units <small>(23 63 13)</small>		
Note: Include compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Excludes piping and power wiring.		
23 63 13 00-0017 EA 1.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	1,998.67	346.92
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-44.35	
For >25 To 50, Deduct	-73.91	
For >50, Deduct	-118.26	
For 16 SEER, Add	606.10	
For 18 SEER, Add	1,271.33	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 63 Refrigerant Condensers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 63 13 00-0018	EA	2 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,150.68	385.66
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-47.17	
		For >25 To 50, Deduct	-78.62	
		For >50, Deduct	-125.80	
		For 16 SEER, Add	644.72	
		For 18 SEER, Add	1,352.33	
23 63 13 00-0019	EA	2.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,283.53	424.22
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-49.43	
		For >25 To 50, Deduct	-82.38	
		For >50, Deduct	-131.80	
		For 16 SEER, Add	675.48	
		For 18 SEER, Add	1,416.87	
23 63 13 00-0020	EA	3 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,620.73	462.56
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-57.81	
		For >25 To 50, Deduct	-96.34	
		For >50, Deduct	-154.15	
		For 16 SEER, Add	790.02	
		For 18 SEER, Add	1,657.13	
23 63 13 00-0021	EA	3.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,775.93	501.36
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-60.73	
		For >25 To 50, Deduct	-101.21	
		For >50, Deduct	-161.94	
		For 16 SEER, Add	829.95	
		For 18 SEER, Add	1,740.87	
23 63 13 00-0022	EA	4 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,092.36	539.92
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-68.49	
		For >25 To 50, Deduct	-114.14	
		For >50, Deduct	-182.63	
		For 16 SEER, Add	935.98	
		For 18 SEER, Add	1,963.29	
23 63 13 00-0023	EA	5 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,487.77	578.20
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-78.61	
		For >25 To 50, Deduct	-131.02	
		For >50, Deduct	-209.64	
		For 15 SEER, Add	628.91	
		For 16 SEER, Add	1,074.39	
		For 18 SEER, Add	2,253.60	

23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit (23 63 13)

Note: Includes storage and cleaning.

23 63 13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit.....	354.88	
23 63 13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit.....	1,330.83	
23 63 13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit.....	2,526.75	

23 63 23 Water-Cooled Refrigerant Condensers (23 63)**23 63 23 00-0001 Water Cooled Condensers (23 63 23)**

Note: Steel shell and copper tube type. Includes equipment rigging.

23 63 23 00-0002	EA	15 Ton Water Cooled Condenser, Shell And Tube Type.....	5,972.52	452.84
		For Saddle Legs, Add	420.24	
23 63 23 00-0003	EA	20 Ton Water Cooled Condenser, Shell And Tube Type.....	7,779.41	608.39
		For Saddle Legs, Add	545.18	
23 63 23 00-0004	EA	25 Ton Water Cooled Condenser, Shell And Tube Type.....	10,152.85	760.50
		For Saddle Legs, Add	715.55	
		For Dual Compressor, Add	450.03	
23 63 23 00-0005	EA	30 Ton Water Cooled Condenser, Shell And Tube Type.....	10,755.20	925.27
		For Saddle Legs, Add	743.52	
		For Dual Compressor, Add	467.62	
23 63 23 00-0006	EA	40 Ton Water Cooled Condenser, Shell And Tube Type.....	12,906.89	1,183.38
		For Saddle Legs, Add	883.60	
		For Dual Compressor, Add	555.72	
23 63 23 00-0007	EA	50 Ton Water Cooled Condenser, Shell And Tube Type.....	14,728.55	1,330.87
		For Saddle Legs, Add	1,010.61	
		For Dual Compressor, Add	635.60	
23 63 23 00-0008	EA	60 Ton Water Cooled Condenser, Shell And Tube Type.....	17,847.87	1,520.99
		For Saddle Legs, Add	1,235.70	
		For Dual Compressor, Add	777.17	
23 63 23 00-0009	EA	75 Ton Water Cooled Condenser, Shell And Tube Type.....	21,954.46	1,774.49
		For Saddle Legs, Add	1,531.63	
		For Dual Compressor, Add	963.29	
23 63 23 00-0010	EA	100 Ton Water Cooled Condenser, Shell And Tube Type.....	24,387.09	2,289.55
		For Saddle Legs, Add	1,663.09	
		For Dual Compressor, Add	1,045.97	
23 63 23 00-0011	EA	150 Ton Water Cooled Condenser, Shell And Tube Type.....	34,823.57	2,729.73
		For Saddle Legs, Add	2,439.63	
		For Dual Compressor, Add	1,534.36	

23 64 Packaged Water Chillers (23 60)

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 64 13 Absorption Water Chillers (23 64)

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--	-------	-------------	------------------------	----------------------

23 64 13 16 Indirect-Fired Absorption Water Chillers (23 64 13)

23 64 13 16-0001		Packaged, Steam Driven, Water Cooled Absorption Chillers (23 64 13 16) Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.		
23 64 13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	103,025.98	7,598.09
		<i>For Two Stage Unit, Add</i>	<i>67,278.57</i>	
23 64 13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	130,628.49	9,039.65
		<i>For Two Stage Unit, Add</i>	<i>85,631.68</i>	
23 64 13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	164,679.37	9,280.66
		<i>For Two Stage Unit, Add</i>	<i>109,312.40</i>	
23 64 13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	182,138.55	9,457.19
		<i>For Two Stage Unit, Add</i>	<i>121,420.40</i>	
23 64 13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	203,359.17	9,694.23
		<i>For Two Stage Unit, Add</i>	<i>136,122.50</i>	
23 64 13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	229,468.80	10,266.20
		<i>For Two Stage Unit, Add</i>	<i>154,031.75</i>	
23 64 13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	245,897.97	10,514.28
		<i>For Two Stage Unit, Add</i>	<i>165,372.74</i>	
23 64 13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	292,390.09	10,944.13
		<i>For Two Stage Unit, Add</i>	<i>197,641.04</i>	
23 64 13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	327,253.39	11,262.91
		<i>For Two Stage Unit, Add</i>	<i>221,840.53</i>	

23 64 16 Centrifugal Water Chillers (23 64)

23 64 16 16 Water-Cooled Centrifugal Water Chillers (23 64 16)

23 64 16 16-0001		Packaged Water-Cooled Centrifugal Water Chillers (23 64 16 16) Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.		
23 64 16 16-0002	EA	180 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	144,119.65	7,088.08
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Volt Motor, Add</i>	<i>5,309.35</i>	
23 64 16 16-0003	EA	200 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	157,423.35	7,267.60
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Volt Motor, Add</i>	<i>5,829.82</i>	
23 64 16 16-0004	EA	225 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	173,493.12	7,452.33
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Volt Motor, Add</i>	<i>6,460.88</i>	
23 64 16 16-0005	EA	250 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	189,207.29	7,751.11
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Volt Motor, Add</i>	<i>7,070.26</i>	
23 64 16 16-0006	EA	275 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	204,602.26	8,188.78
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Volt Motor, Add</i>	<i>7,657.93</i>	
23 64 16 16-0007	EA	300 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	219,435.44	8,614.53
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Volt Motor, Add</i>	<i>8,223.91</i>	
23 64 16 16-0008	EA	325 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	233,799.58	9,086.85
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Volt Motor, Add</i>	<i>8,768.12</i>	
23 64 16 16-0009	EA	350 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	247,584.01	9,534.96
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Volt Motor, Add</i>	<i>9,290.71</i>	
23 64 16 16-0010	EA	375 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	260,760.99	9,943.56
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Volt Motor, Add</i>	<i>9,791.53</i>	
23 64 16 16-0011	EA	400 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	273,257.43	10,266.20
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Volt Motor, Add</i>	<i>10,270.66</i>	
23 64 16 16-0012	EA	425 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	285,510.05	10,774.81
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Volt Motor, Add</i>	<i>10,728.09</i>	
23 64 16 16-0013	EA	450 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	297,071.20	11,190.48
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Volt Motor, Add</i>	<i>11,163.82</i>	
23 64 16 16-0014	EA	475 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	308,081.21	11,600.82
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Volt Motor, Add</i>	<i>11,577.85</i>	
23 64 16 16-0015	EA	500 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	318,400.23	11,918.61
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Volt Motor, Add</i>	<i>11,970.19</i>	
23 64 16 16-0016	EA	550 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	337,067.23	12,341.25
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Volt Motor, Add</i>	<i>12,689.72</i>	
23 64 16 16-0017	EA	600 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	353,316.61	12,609.59
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Volt Motor, Add</i>	<i>13,322.45</i>	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0018	EA		650 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	367,964.96 13,868.34	13,232.87
23 64 16 16-0019	EA		700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	380,458.67 14,327.44	13,865.58
23 64 16 16-0020	EA		750 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	390,887.95 14,699.88	14,561.65

23 64 23 Scroll Water Chillers (23 64)**23 64 23 00-0001 Packaged Air Cooled Scroll Water Chillers (23 64 23)**

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type and include scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel.

23 64 23 00-0002	EA		10 Ton Packaged Air Cooled Scroll Water Chiller.....	18,923.98	1,891.67
23 64 23 00-0003	EA		15 Ton Packaged Air Cooled Scroll Water Chiller.....	27,337.07	1,915.93
23 64 23 00-0004	EA		18 Ton Packaged Air Cooled Scroll Water Chiller.....	29,809.77	2,049.31
23 64 23 00-0005	EA		22 Ton Packaged Air Cooled Scroll Water Chiller.....	32,754.56	2,194.82
23 64 23 00-0006	EA		25 Ton Packaged Air Cooled Scroll Water Chiller.....	33,358.68	2,340.34
23 64 23 00-0007	EA		30 Ton Packaged Air Cooled Scroll Water Chiller.....	35,230.81	2,510.10
23 64 23 00-0008	EA		40 Ton Packaged Air Cooled Scroll Water Chiller.....	40,182.07	2,716.25
23 64 23 00-0009	EA		45 Ton Packaged Air Cooled Scroll Water Chiller.....	43,164.75	2,946.65
23 64 23 00-0010	EA		50 Ton Packaged Air Cooled Scroll Water Chiller.....	45,533.07	3,031.53
23 64 23 00-0011	EA		55 Ton Packaged Air Cooled Scroll Water Chiller.....	47,553.81	3,164.91
23 64 23 00-0012	EA		60 Ton Packaged Air Cooled Scroll Water Chiller.....	49,152.95	3,274.05
23 64 23 00-0013	EA		80 Ton Packaged Air Cooled Scroll Water Chiller.....	61,026.60	4,038.00
23 64 23 00-0014	EA		90 Ton Packaged Air Cooled Scroll Water Chiller.....	62,093.19	4,050.13
23 64 23 00-0015	EA		100 Ton Packaged Air Cooled Scroll Water Chiller.....	65,548.73	4,062.25
23 64 23 00-0016	EA		110 Ton Packaged Air Cooled Scroll Water Chiller.....	68,908.22	4,074.37
23 64 23 00-0017	EA		120 Ton Packaged Air Cooled Scroll Water Chiller.....	72,309.41	4,086.50
23 64 23 00-0018	EA		130 Ton Packaged Air Cooled Scroll Water Chiller.....	75,889.99	4,098.62
23 64 23 00-0019	EA		70 Ton Packaged Air Cooled Scroll Water Chiller.....	56,647.23	3,686.34

23 64 23 00-0020 Packaged Water Cooled Scroll Water Chillers (23 64 23)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 00-0021	EA		20 Ton Packaged Water Cooled Scroll Water Chiller	40,211.11	2,363.94
23 64 23 00-0022	EA		25 Ton Packaged Water Cooled Scroll Water Chiller	46,302.03	2,435.35
23 64 23 00-0023	EA		30 Ton Packaged Water Cooled Scroll Water Chiller	51,369.91	2,673.51
23 64 23 00-0024	EA		40 Ton Packaged Water Cooled Scroll Water Chiller	63,025.27	3,314.47
23 64 23 00-0025	EA		50 Ton Packaged Water Cooled Scroll Water Chiller	69,727.51	3,632.32
23 64 23 00-0026	EA		60 Ton Packaged Water Cooled Scroll Water Chiller	73,239.58	4,013.26

23 64 26 Rotary-Screw Water Chillers (23 64)**23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers (23 64 26)****23 64 26 13-0001 Packaged Air Cooled Rotary-Screw Water Chillers (23 64 26 13)**

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 V motor, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel.

23 64 26 13-0002	EA		70 Ton Packaged Air Cooled Rotary-Screw Water Chiller	96,950.28	4,644.30
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,349.85	
			<i>For 208/230 Volt Motor, Add</i>	3,599.60	
23 64 26 13-0003	EA		80 Ton Packaged Air Cooled Rotary-Screw Water Chiller	104,207.88	5,044.46
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,449.80	
			<i>For 208/230 Volt Motor, Add</i>	3,866.13	
23 64 26 13-0004	EA		90 Ton Packaged Air Cooled Rotary-Screw Water Chiller	109,610.37	5,262.73
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,525.74	
			<i>For 208/230 Volt Motor, Add</i>	4,068.65	
23 64 26 13-0005	EA		100 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	113,707.24	5,662.90
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,578.28	
			<i>For 208/230 Volt Motor, Add</i>	4,208.76	
23 64 26 13-0006	EA		110 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	122,001.25	5,941.80
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,696.51	
			<i>For 208/230 Volt Motor, Add</i>	4,524.03	
23 64 26 13-0007	EA		120 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	129,592.44	6,063.06
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,807.47	
			<i>For 208/230 Volt Motor, Add</i>	4,819.91	
23 64 26 13-0008	EA		130 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	136,768.06	6,269.20
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,910.55	
			<i>For 208/230 Volt Motor, Add</i>	5,094.81	

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

23 64 26 13-0009 EA 140 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	141,127.58	6,402.59
For Aluminum Fins Instead Of Copper, Deduct	-1,972.86	
For 208/230 Volt Motor, Add	5,260.95	
23 64 26 13-0010 EA 160 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	148,972.48	6,535.97
For Aluminum Fins Instead Of Copper, Deduct	-2,087.44	
For 208/230 Volt Motor, Add	5,566.50	
23 64 26 13-0011 EA 170 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	155,481.48	6,742.12
For Aluminum Fins Instead Of Copper, Deduct	-2,180.52	
For 208/230 Volt Motor, Add	5,814.73	
23 64 26 13-0012 EA 180 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	163,932.27	7,008.89
For Aluminum Fins Instead Of Copper, Deduct	-2,301.28	
For 208/230 Volt Motor, Add	6,136.76	
23 64 26 13-0013 EA 200 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	171,316.84	7,154.40
For Aluminum Fins Instead Of Copper, Deduct	-2,408.96	
For 208/230 Volt Motor, Add	6,423.89	
23 64 26 13-0014 EA 215 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	183,555.66	7,275.66
For Aluminum Fins Instead Of Copper, Deduct	-2,589.63	
For 208/230 Volt Motor, Add	6,905.69	
23 64 26 13-0015 EA 225 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	191,682.54	7,348.42
For Aluminum Fins Instead Of Copper, Deduct	-2,710.08	
For 208/230 Volt Motor, Add	7,226.88	
23 64 26 13-0016 EA 240 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	199,809.41	7,409.06
For Aluminum Fins Instead Of Copper, Deduct	-2,830.53	
For 208/230 Volt Motor, Add	7,548.08	
23 64 26 13-0017 EA 260 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	224,117.29	7,554.57
For Aluminum Fins Instead Of Copper, Deduct	-3,191.87	
For 208/230 Volt Motor, Add	8,511.66	
23 64 26 13-0018 EA 280 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	236,368.24	7,700.08
For Aluminum Fins Instead Of Copper, Deduct	-3,372.54	
For 208/230 Volt Motor, Add	8,993.45	
23 64 26 13-0019 EA 300 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	252,622.00	7,821.34
For Aluminum Fins Instead Of Copper, Deduct	-3,613.44	
For 208/230 Volt Motor, Add	9,635.84	
23 64 26 13-0020 EA 325 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	276,905.61	7,954.73
For Aluminum Fins Instead Of Copper, Deduct	-3,974.78	
For 208/230 Volt Motor, Add	10,599.43	

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers (23 64 26)

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers (23 64 26 16)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002 EA 70 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	78,726.20	5,590.46
23 64 26 16-0003 EA 80 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	85,463.09	5,807.87
23 64 26 16-0004 EA 90 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	91,314.00	5,963.15
23 64 26 16-0005 EA 100 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	96,401.46	6,214.72
23 64 26 16-0006 EA 110 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	101,459.33	6,385.54
23 64 26 16-0007 EA 125 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	107,620.92	6,564.81
23 64 26 16-0008 EA 130 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	110,387.03	6,748.30
23 64 26 16-0009 EA 150 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	119,534.98	6,930.93
23 64 26 16-0010 EA 175 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	128,427.35	7,102.49
23 64 26 16-0011 EA 190 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	132,829.66	7,457.67
23 64 26 16-0012 EA 200 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	170,265.55	7,817.33
23 64 26 16-0013 EA 210 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	172,565.05	7,984.66
23 64 26 16-0014 EA 235 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	187,623.01	8,159.34
23 64 26 16-0015 EA 255 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	199,357.72	8,532.78
23 64 26 16-0016 EA 275 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	210,460.89	8,878.14
23 64 26 16-0017 EA 300 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	223,392.81	9,229.85
23 64 26 16-0018 EA 350 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	245,232.31	10,047.92
23 64 26 16-0019 EA 400 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	263,073.14	11,051.72
23 64 26 16-0020 EA 450 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	276,934.04	12,157.38

23 65 Cooling Towers (23 60)

23 65 13 Forced-Draft Cooling Towers (23 65)

23 65 13 00-0001 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13)

23 65 13 00-0002 Blow-Thru Centrifugal Fan Type Cooling Towers (23 65 13 00-0001)

Note: Including 2-speed motor internal piping, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 00-0003 EA 50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	16,375.66	2,012.93
For Stainless Steel Cooling Tower, Add	8,013.76	
23 65 13 00-0004 EA 75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	22,433.01	2,461.60
For Stainless Steel Cooling Tower, Add	11,255.28	
23 65 13 00-0005 EA 100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	28,232.62	3,092.16
For Stainless Steel Cooling Tower, Add	13,956.55	
23 65 13 00-0006 EA 125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	32,509.26	3,455.94
For Stainless Steel Cooling Tower, Add	16,173.30	
23 65 13 00-0007 EA 150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	37,128.70	3,892.49
For Stainless Steel Cooling Tower, Add	18,522.97	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 65 13 00-0008	EA	175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	41,739.46 20,838.34	4,365.40
23 65 13 00-0009	EA	200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	46,827.52 23,410.98	4,862.58
23 65 13 00-0010	EA	225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	51,252.04 25,469.09	5,481.01
23 65 13 00-0011	EA	250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	55,893.11 27,664.40	6,087.31
23 65 13 00-0012	EA	275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	61,448.85 29,928.32	7,202.91
23 65 13 00-0013	EA	300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	66,854.76 32,415.20	7,978.98
23 65 13 00-0014	EA	325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	70,465.07 34,130.29	8,488.28
23 65 13 00-0015	EA	350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	74,684.73 36,145.52	8,985.45
23 65 13 00-0016	EA	375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	78,746.76 38,160.75	9,421.99
23 65 13 00-0017	EA	400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	83,368.37 40,519.00	9,858.53
23 65 13 00-0018	EA	425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	88,302.65 42,963.00	10,392.08
23 65 13 00-0019	EA	450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	93,867.98 45,792.90	10,925.62
23 65 13 00-0020	EA	475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	99,252.71 48,579.92	11,386.42
23 65 13 00-0021	EA	500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	104,649.56 51,366.94	11,847.21

23 65 14 Induced-Draft Cooling Towers (23 65)**23 65 14 00-0001 Induced Draft Axial Single Flow Propeller Type Cooling Towers (23 65 14)**

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 00-0002	EA	10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	8,490.21	1,358.12
23 65 14 00-0003	EA	20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	10,010.61	1,467.26
23 65 14 00-0004	EA	30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	11,928.15	1,649.15
23 65 14 00-0005	EA	40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	13,233.31	1,818.92
23 65 14 00-0006	EA	50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	15,625.31	2,012.93
23 65 14 00-0007	EA	60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	18,113.61	2,170.57
23 65 14 00-0008	EA	75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	20,782.23	2,461.60
23 65 14 00-0009	EA	100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	25,981.56	3,092.16
23 65 14 00-0010	EA	125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	28,364.46	3,455.94
23 65 14 00-0011	EA	150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	42,755.85	3,892.49
23 65 14 00-0012	EA	200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	51,797.71	4,862.58
23 65 14 00-0013	EA	300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	67,703.45	7,978.98

23 65 14 00-0014 Induced Draft Double Flow Propeller Type Packaged Cooling Towers (23 65 14)

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 00-0015	EA	100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	25,981.56	3,092.16
23 65 14 00-0016	EA	150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	34,520.33	3,892.49
23 65 14 00-0017	EA	200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	43,826.11	4,862.58
23 65 14 00-0018	EA	250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	52,134.21	6,087.31
23 65 14 00-0019	EA	300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	62,259.75	7,978.98
23 65 14 00-0020	EA	350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	69,432.27	8,985.45
23 65 14 00-0021	EA	400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	77,365.55	9,858.53
23 65 14 00-0022	EA	450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	87,579.32	10,925.62
23 65 14 00-0023	EA	500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	98,575.29	11,847.21
23 65 14 00-0024	EA	550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	105,437.77	12,489.89
23 65 14 00-0025	EA	600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	112,839.06	12,829.43
23 65 14 00-0026	EA	700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	127,358.36	13,265.97
23 65 14 00-0027	EA	800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	139,711.64	14,624.09
23 65 14 00-0028	EA	900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	154,331.34	16,103.48

23 65 14 00-0029 Induced Draft Crossflow Film Filled Propeller Type Cooling Towers (23 65 14)

Note: Galvanized Steel. Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 00-0030	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	7,293.24 788.41	1,358.12
23 65 14 00-0031	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	7,836.34 866.24	1,382.37
23 65 14 00-0032	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	8,526.64 940.68	1,503.64
23 65 14 00-0033	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	9,899.03 1,130.17	1,576.39
23 65 14 00-0034	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	11,158.63 1,302.74	1,649.15
23 65 14 00-0035	EA	35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	12,397.38 1,468.54	1,734.03
23 65 14 00-0036	EA	40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	13,533.76 1,620.81	1,818.92

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

23 65 14 00-0037	EA		45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	14,795.05 1,789.99	1,915.93
23 65 14 00-0038	EA		50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	16,035.48 1,952.41	2,012.93
23 65 14 00-0039	EA		60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	18,454.03 2,280.63	2,170.57
23 65 14 00-0040	EA		70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	21,077.29 2,635.93	2,340.34
23 65 14 00-0041	EA		75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	22,307.28 2,794.96	2,461.60
23 65 14 00-0042	EA		80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	23,682.80 2,954.00	2,667.74
23 65 14 00-0043	EA		90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	24,719.94 3,062.28	2,873.89
23 65 14 00-0044	EA		100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	26,672.70 3,255.15	3,092.16
23 65 14 00-0045	EA		125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	27,863.82 3,346.51	3,455.94
23 65 14 00-0046	EA		150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	32,311.80 3,908.21	3,892.49
23 65 14 00-0047	EA		175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	35,725.48 4,307.49	4,365.40
23 65 14 00-0048	EA		200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	37,721.39 4,486.83	4,862.58
23 65 14 00-0049	EA		225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	43,543.19 5,210.94	5,481.01
23 65 14 00-0050	EA		250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	47,773.79 5,698.20	6,087.31
23 65 14 00-0051	EA		275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	51,383.54 5,972.28	7,202.91
23 65 14 00-0052	EA		300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	55,532.10 6,405.40	7,978.98
23 65 14 00-0053	EA		350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	63,416.05 7,346.08	8,985.45
23 65 14 00-0054	EA		400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	69,886.15 8,107.42	9,858.53
23 65 14 00-0055	EA		450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	77,258.04 8,956.73	10,925.62
23 65 14 00-0056	EA		500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	84,163.51 9,768.83	11,847.21

23 65 14 00-0057

Draw-Thru Fiberglass Packaged Propeller Type Cooling Towers (23 65 14)

Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 00-0058	EA		5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	3,136.48	751.82
23 65 14 00-0059	EA		8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	3,534.92	933.71
23 65 14 00-0060	EA		10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	4,243.18	1,054.97
23 65 14 00-0061	EA		15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	4,893.57	1,151.98
23 65 14 00-0062	EA		20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	6,306.63	1,248.99
23 65 14 00-0063	EA		25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	6,757.08	1,370.25
23 65 14 00-0064	EA		30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	7,692.30	1,782.54
23 65 14 00-0065	EA		40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	8,787.26	1,624.90
23 65 14 00-0066	EA		50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	9,915.10	1,867.42
23 65 14 00-0067	EA		60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	11,199.93	2,085.69
23 65 14 00-0068	EA		70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	12,923.80	2,303.97
23 65 14 00-0069	EA		80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	14,916.75	2,922.40
23 65 14 00-0070	EA		100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	17,564.53	3,298.30
23 65 14 00-0071	EA		125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	21,434.53	3,662.09
23 65 14 00-0072	EA		150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	23,616.15	3,843.98
23 65 14 00-0073	EA		175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	28,009.23	4,013.74
23 65 14 00-0074	EA		200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	30,793.79	4,195.64
23 65 14 00-0075	EA		225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	33,491.02	4,377.53
23 65 14 00-0076	EA		250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	36,338.25	4,729.18
23 65 14 00-0077	EA		300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	42,166.16	5,274.86
23 65 14 00-0078	EA		350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	47,736.27	5,832.66
23 65 14 00-0079	EA		400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	53,910.89	6,911.89
23 65 14 00-0080	EA		500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	65,051.10	8,027.49
23 65 14 00-0081	EA		600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	74,306.37	8,706.54
23 65 14 00-0082	EA		700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	83,642.25	9,858.53
23 65 14 00-0083	EA		800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	92,214.07	11,022.64
23 65 14 00-0084	EA		1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	108,972.67	12,186.75

23 65 14 00-0085

Stainless Steel Packaged Propeller Type Cooling Towers (23 65 14)

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 14 00-0086

Draw-Thru Stainless Steel Propeller Type Cooling Towers (23 65 14 00-0085)

Note: Excludes crane and associated personnel.

23 65 14 00-0087	EA		50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	28,563.46	2,012.93
23 65 14 00-0088	EA		75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	40,413.79	2,461.60
23 65 14 00-0089	EA		100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	47,821.50	3,092.16
23 65 14 00-0090	EA		125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	54,187.36	3,455.94
23 65 14 00-0091	EA		150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	59,492.92	3,892.49

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 65 14 00-0092	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	71,431.11	4,862.58
23 65 14 00-0093	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	84,244.15	6,087.31
23 65 14 00-0094	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	100,232.82	7,978.98
23 65 14 00-0095	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	109,848.92	8,985.45
23 65 14 00-0096	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	124,381.02	9,858.53
23 65 14 00-0097	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	144,385.38	11,847.21

23 65 14 00-0098 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers (23 65

14 00-0085)

Note: Excludes crane and associated personnel.

23 65 14 00-0099	EA	100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	67,314.11	3,092.16
		<i>For Induced Draft Counter Flow Type, Add</i>	3,117.12	
23 65 14 00-0100	EA	125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	76,271.58	3,431.69
		<i>For Induced Draft Counter Flow Type, Add</i>	3,535.89	
23 65 14 00-0101	EA	150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	83,411.51	3,892.49
		<i>For Induced Draft Counter Flow Type, Add</i>	3,857.72	
23 65 14 00-0102	EA	200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	92,976.77	4,862.58
		<i>For Induced Draft Counter Flow Type, Add</i>	4,258.38	
23 65 14 00-0103	EA	250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	105,590.71	6,087.31
		<i>For Induced Draft Counter Flow Type, Add</i>	4,790.25	
23 65 14 00-0104	EA	300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	121,700.15	7,978.98
		<i>For Induced Draft Counter Flow Type, Add</i>	5,443.54	
23 65 14 00-0105	EA	350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	132,726.30	8,985.45
		<i>For Induced Draft Counter Flow Type, Add</i>	5,914.21	
23 65 14 00-0106	EA	400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	143,534.17	9,858.53
		<i>For Induced Draft Counter Flow Type, Add</i>	6,384.87	
23 65 14 00-0107	EA	500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	165,891.88	11,847.21
		<i>For Induced Draft Counter Flow Type, Add</i>	7,342.69	
23 65 14 00-0108	EA	600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	187,117.28	12,829.43
		<i>For Induced Draft Counter Flow Type, Add</i>	8,325.14	
23 65 14 00-0109	EA	750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	230,999.70	13,945.03
		<i>For Induced Draft Counter Flow Type, Add</i>	10,398.00	
23 65 14 00-0110	EA	1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	299,252.00	17,801.14
		<i>For Induced Draft Counter Flow Type, Add</i>	13,566.28	

23 65 14 00-0111 Belt Driven Stainless Steel Propeller Type Cooling Towers (23 65 14 00-0085)

Note: Excludes crane and associated personnel.

23 65 14 00-0112	EA	100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	49,750.53	3,092.16
23 65 14 00-0113	EA	125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	53,887.07	3,455.94
23 65 14 00-0114	EA	150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	58,148.15	3,892.49
23 65 14 00-0115	EA	200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	68,888.45	4,862.58
23 65 14 00-0116	EA	250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	76,283.25	6,087.31

23 65 43 Cooling Tower Basins And Accessories (23 65)**23 65 43 00-0001 Fiberglass Cooling Tower Sump Basins (23 65 43)**

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel.

23 65 43 00-0002	EA	30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,153.53	
		<i>For Anti-Flotation Flanges, Add</i>	115.00	
		<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0003	EA	30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,310.07	
		<i>For Anti-Flotation Flanges, Add</i>	115.00	
		<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0004	EA	36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,265.48	
		<i>For Anti-Flotation Flanges, Add</i>	253.00	
		<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0005	EA	36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,495.48	
		<i>For Anti-Flotation Flanges, Add</i>	253.00	
		<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0006	EA	42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,635.99	
		<i>For Anti-Flotation Flanges, Add</i>	276.00	
		<i>For Perforated Basins, Add</i>	100.00	
23 65 43 00-0007	EA	42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,810.18	
		<i>For Anti-Flotation Flanges, Add</i>	276.00	
		<i>For Perforated Basins, Add</i>	100.00	
23 65 43 00-0008	EA	42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,984.35	
		<i>For Anti-Flotation Flanges, Add</i>	276.00	
		<i>For Perforated Basins, Add</i>	100.00	
23 65 43 00-0009	EA	48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,970.23	
		<i>For Anti-Flotation Flanges, Add</i>	294.00	
		<i>For Perforated Basins, Add</i>	140.00	
23 65 43 00-0010	EA	48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,165.27	
		<i>For Anti-Flotation Flanges, Add</i>	294.00	
		<i>For Perforated Basins, Add</i>	140.00	
23 65 43 00-0011	EA	48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,483.16	
		<i>For Anti-Flotation Flanges, Add</i>	294.00	
		<i>For Perforated Basins, Add</i>	140.00	
23 65 43 00-0012	EA	48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,802.65	
		<i>For Anti-Flotation Flanges, Add</i>	294.00	
		<i>For Perforated Basins, Add</i>	140.00	
23 65 43 00-0013	EA	48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,994.48	
		<i>For Anti-Flotation Flanges, Add</i>	294.00	
		<i>For Perforated Basins, Add</i>	140.00	

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

23 70 Central HVAC Equipment (23)

23 71 Thermal Storage (23 70)

23 71 13 Thermal Heat Storage (23 71)

23 71 13 23 Pressurized-Water Thermal Storage Tanks (23 71 13)

23 71 13 23-0001 Nickelshield Storage Tanks (23 71 13 23)

23 71 13 23-0002	EA	325 Gallon Nickelshield Storage Tank.....	16,977.09	230.22
23 71 13 23-0003	EA	490 Gallon Nickelshield Storage Tank.....	23,679.37	305.24
23 71 13 23-0004	EA	605 Gallon Nickelshield Storage Tank.....	27,124.24	369.19
23 71 13 23-0005	EA	740 Gallon Nickelshield Storage Tank.....	32,133.87	461.49
23 71 13 23-0006	EA	940 Gallon Nickelshield Storage Tank.....	37,443.27	613.47
23 71 13 23-0007	EA	1,505 Gallon Nickelshield Storage Tank.....	48,476.52	923.08
23 71 13 23-0008	EA	1,615 Gallon Nickelshield Storage Tank.....	54,740.48	1,039.69
23 71 13 23-0009	EA	2,275 Gallon Nickelshield Storage Tank.....	75,138.25	1,380.99
23 71 13 23-0010	EA	3,815 Gallon Nickelshield Storage Tank.....	97,086.36	1,605.46

23 72 Air-To-Air Energy Recovery Equipment (23 70)

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment (23 72)

23 72 13 00-0001 Enthalpy Recovery Wheel (23 72 13)

23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel.....	6,721.79	870.93
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel.....	7,539.99	1,045.38
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel.....	9,433.17	1,306.73
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel.....	10,996.60	1,492.93
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel.....	12,083.78	1,568.07
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel.....	14,524.21	1,742.51
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel.....	18,813.21	1,829.41
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel.....	23,118.03	1,960.09
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel.....	27,863.17	2,239.72
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel.....	31,587.04	2,874.80
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel.....	41,750.87	3,266.81
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel.....	49,690.64	3,920.17

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment (23 72)

23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient (23 72 16)

23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit.....	11,208.87	653.36
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit.....	17,469.22	871.19
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit.....	25,912.58	1,306.73

23 73 Indoor Central-Station Air-Handling Units (23 70)

23 73 13 Modular Indoor Central-Station Air-Handling Units (23 73)

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001 Single Zone Units (23 73 13)

Note: Horizontal/vertical draw-thru fan, motor and cabinet.

23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	2,243.86	597.92
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	161.68	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	337.73	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	502.32	
		<i>For Manual Roll Filter, Add</i>	849.75	
		<i>For Automatic Roll Filter, Add</i>	919.23	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	432.84	
		<i>For Electric Heating Coil, Add</i>	710.78	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	710.78	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	641.29	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	571.81	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	459.62	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	849.75	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	780.26	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	571.81	
		<i>For Variable Air Volume, Add</i>	194.56	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,237.92	
		<i>For 2 Coils, Independent Circuits, Add</i>	252.18	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0003	EA		500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....3,482.88	3,482.88	717.51
			For Flat Filter Box And Throwaway Filters, Add	297.08	
			For Medium Capacity Filter Box And Throwaway Filters, Add	563.43	
			For Combination Filter Mixing Box And Throwaway Filters, Add	840.03	
			For Manual Roll Filter, Add	1,454.70	
			For Automatic Roll Filter, Add	1,577.63	
			For Hot Water Heating Coil, Aluminum Fins, Add	717.09	
			For Electric Heating Coil, Add	1,208.83	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,208.83	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,085.90	
			For Steam Heating Coil, Aluminum Fins, Add	962.96	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	788.82	
			For Chilled Water Cooling Coil, Copper Fins, Add	1,454.70	
			For Direct Expansion Cooling Coil, Copper Fins, Add	1,331.76	
			For Hot Water Heating Coil, Copper Fins, Add	962.96	
			For Variable Air Volume, Add	344.22	
			For Economizer, Panel, Controls And Damper(s), Add	1,356.93	
			For 2 Coils, Independent Circuits, Add	397.46	
23 73 13 00-0004	EA		800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....3,926.35	3,926.35	770.57
			For Flat Filter Box And Throwaway Filters, Add	337.60	
			For Medium Capacity Filter Box And Throwaway Filters, Add	642.17	
			For Combination Filter Mixing Box And Throwaway Filters, Add	957.76	
			For Manual Roll Filter, Add	1,664.16	
			For Automatic Roll Filter, Add	1,805.44	
			For Hot Water Heating Coil, Aluminum Fins, Add	816.48	
			For Electric Heating Coil, Add	1,381.60	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,381.60	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,240.32	
			For Steam Heating Coil, Aluminum Fins, Add	1,099.04	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	902.72	
			For Chilled Water Cooling Coil, Copper Fins, Add	1,664.16	
			For Direct Expansion Cooling Coil, Copper Fins, Add	1,522.88	
			For Hot Water Heating Coil, Copper Fins, Add	1,099.04	
			For Variable Air Volume, Add	395.59	
			For Economizer, Panel, Controls And Damper(s), Add	1,410.52	
			For 2 Coils, Independent Circuits, Add	449.15	
23 73 13 00-0005	EA		1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....4,418.94	4,418.94	828.01
			For Flat Filter Box And Throwaway Filters, Add	382.74	
			For Medium Capacity Filter Box And Throwaway Filters, Add	729.99	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,089.07	
			For Manual Roll Filter, Add	1,898.04	
			For Automatic Roll Filter, Add	2,059.83	
			For Hot Water Heating Coil, Aluminum Fins, Add	927.27	
			For Electric Heating Coil, Add	1,574.45	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,574.45	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,412.66	
			For Steam Heating Coil, Aluminum Fins, Add	1,250.86	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,029.91	
			For Chilled Water Cooling Coil, Copper Fins, Add	1,898.04	
			For Direct Expansion Cooling Coil, Copper Fins, Add	1,736.24	
			For Hot Water Heating Coil, Copper Fins, Add	1,250.86	
			For Variable Air Volume, Add	453.02	
			For Economizer, Panel, Controls And Damper(s), Add	1,468.15	
			For 2 Coils, Independent Circuits, Add	506.61	
23 73 13 00-0006	EA		1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....4,998.12	4,998.12	890.80
			For Flat Filter Box And Throwaway Filters, Add	436.26	
			For Medium Capacity Filter Box And Throwaway Filters, Add	834.38	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,245.22	
			For Manual Roll Filter, Add	2,176.98	
			For Automatic Roll Filter, Add	2,363.33	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,058.87	
			For Electric Heating Coil, Add	1,804.27	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,804.27	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,617.92	
			For Steam Heating Coil, Aluminum Fins, Add	1,431.57	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,181.66	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,176.98	
			For Direct Expansion Cooling Coil, Copper Fins, Add	1,990.62	
			For Hot Water Heating Coil, Copper Fins, Add	1,431.57	
			For Variable Air Volume, Add	521.78	
			For Economizer, Panel, Controls And Damper(s), Add	1,529.76	
			For 2 Coils, Independent Circuits, Add	574.35	
23 73 13 00-0007	EA		1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....5,672.43	5,672.43	957.32
			For Flat Filter Box And Throwaway Filters, Add	498.87	
			For Medium Capacity Filter Box And Throwaway Filters, Add	956.70	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,428.22	
			For Manual Roll Filter, Add	2,504.43	
			For Automatic Roll Filter, Add	2,719.68	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,212.97	
			For Electric Heating Coil, Add	2,073.95	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,073.95	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,858.70	
			For Steam Heating Coil, Aluminum Fins, Add	1,643.46	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,359.84	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,504.43	
			For Direct Expansion Cooling Coil, Copper Fins, Add	2,289.19	
			For Hot Water Heating Coil, Copper Fins, Add	1,643.46	
			For Variable Air Volume, Add	602.68	
			For Economizer, Panel, Controls And Damper(s), Add	1,597.29	
			For 2 Coils, Independent Circuits, Add	653.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0008	EA		1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,205.39	1,029.17
			For Flat Filter Box And Throwaway Filters, Add	547.18	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,050.35	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,568.19	
			For Manual Roll Filter, Add	2,752.75	
			For Automatic Roll Filter, Add	2,989.66	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,331.28	
			For Electric Heating Coil, Add	2,278.92	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,278.92	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,042.01	
			For Steam Heating Coil, Aluminum Fins, Add	1,805.10	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,494.83	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,752.75	
			For Direct Expansion Cooling Coil, Copper Fins, Add	2,515.84	
			For Hot Water Heating Coil, Copper Fins, Add	1,805.10	
			For Variable Air Volume, Add	663.35	
			For Economizer, Panel, Controls And Damper(s), Add	1,667.01	
			For 2 Coils, Independent Circuits, Add	715.30	
23 73 13 00-0009	EA		1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,784.66	1,109.14
			For Flat Filter Box And Throwaway Filters, Add	599.26	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,150.99	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,718.57	
			For Manual Roll Filter, Add	3,018.70	
			For Automatic Roll Filter, Add	3,278.72	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,458.54	
			For Electric Heating Coil, Add	2,498.64	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,498.64	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,238.62	
			For Steam Heating Coil, Aluminum Fins, Add	1,978.59	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,639.36	
			For Chilled Water Cooling Coil, Copper Fins, Add	3,018.70	
			For Direct Expansion Cooling Coil, Copper Fins, Add	2,758.67	
			For Hot Water Heating Coil, Copper Fins, Add	1,978.59	
			For Variable Air Volume, Add	728.07	
			For Economizer, Panel, Controls And Damper(s), Add	1,621.28	
			For 2 Coils, Independent Circuits, Add	782.48	
23 73 13 00-0010	EA		2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,419.40	1,189.12
			For Flat Filter Box And Throwaway Filters, Add	657.00	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,263.03	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,886.05	
			For Manual Roll Filter, Add	3,316.19	
			For Automatic Roll Filter, Add	3,602.22	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,600.02	
			For Electric Heating Coil, Add	2,744.14	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,744.14	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,458.11	
			For Steam Heating Coil, Aluminum Fins, Add	2,172.08	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,801.11	
			For Chilled Water Cooling Coil, Copper Fins, Add	3,316.19	
			For Direct Expansion Cooling Coil, Copper Fins, Add	3,030.16	
			For Hot Water Heating Coil, Copper Fins, Add	2,172.08	
			For Variable Air Volume, Add	800.88	
			For Economizer, Panel, Controls And Damper(s), Add	1,684.36	
			For 2 Coils, Independent Circuits, Add	856.35	
23 73 13 00-0011	EA		2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,008.77	1,278.16
			For Flat Filter Box And Throwaway Filters, Add	709.58	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,364.38	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,037.44	
			For Manual Roll Filter, Add	3,583.15	
			For Automatic Roll Filter, Add	3,892.29	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,728.30	
			For Electric Heating Coil, Add	2,964.87	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,964.87	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,655.73	
			For Steam Heating Coil, Aluminum Fins, Add	2,346.58	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,946.15	
			For Chilled Water Cooling Coil, Copper Fins, Add	3,583.15	
			For Direct Expansion Cooling Coil, Copper Fins, Add	3,274.01	
			For Hot Water Heating Coil, Copper Fins, Add	2,346.58	
			For Variable Air Volume, Add	865.60	
			For Economizer, Panel, Controls And Damper(s), Add	1,754.27	
			For 2 Coils, Independent Circuits, Add	924.53	
23 73 13 00-0012	EA		2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,638.51	1,375.32
			For Flat Filter Box And Throwaway Filters, Add	765.63	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,472.31	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,198.65	
			For Manual Roll Filter, Add	3,867.15	
			For Automatic Roll Filter, Add	4,200.85	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,864.95	
			For Electric Heating Coil, Add	3,199.75	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	3,199.75	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,866.05	
			For Steam Heating Coil, Aluminum Fins, Add	2,532.35	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,100.42	
			For Chilled Water Cooling Coil, Copper Fins, Add	3,867.15	
			For Direct Expansion Cooling Coil, Copper Fins, Add	3,533.45	
			For Hot Water Heating Coil, Copper Fins, Add	2,532.35	
			For Variable Air Volume, Add	934.36	
			For Economizer, Panel, Controls And Damper(s), Add	1,830.49	
			For 2 Coils, Independent Circuits, Add	997.33	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0013	EA		3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	10,046.03 890.90 1,713.57 2,558.98 4,501.94 4,890.54 2,170.38 3,724.76 3,724.76 3,336.16 2,947.57 2,445.27 4,501.94 4,113.35 2,947.57 1,088.06 2,000.79 1,160.04	1,591.97
23 73 13 00-0014	EA		3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	10,534.37 931.20 1,789.06 2,671.37 4,693.79 5,098.28 2,266.89 3,884.83 3,884.83 3,480.34 3,075.86 2,549.14 4,693.79 4,289.31 3,075.86 1,132.56 2,094.58 1,215.23	1,710.80
23 73 13 00-0015	EA		3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	11,034.10 972.08 1,865.36 2,784.91 4,886.78 5,307.16 2,364.53 4,046.03 4,046.03 3,625.66 3,205.28 2,653.58 4,886.78 4,466.41 3,205.28 1,177.05 2,194.64 1,271.56	1,838.61
23 73 13 00-0016	EA		4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	12,134.18 1,061.75 2,032.51 3,033.60 5,308.82 5,763.86 2,578.55 4,398.73 4,398.73 3,943.69 3,488.64 2,881.93 5,308.82 4,853.77 3,488.64 1,274.12 2,153.32 1,395.44	2,122.62
23 73 13 00-0017	EA		4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	12,134.18 1,061.75 2,032.51 3,033.60 5,308.82 5,763.86 2,578.55 4,398.73 4,398.73 3,943.69 3,488.64 2,881.93 5,308.82 4,853.77 3,488.64 1,274.12 2,153.32 1,395.44	2,122.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0018	EA		5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	13,335.66 1,159.39 2,214.27 3,303.98 5,767.00 6,259.61 2,811.38 4,781.79 4,781.79 4,289.19 3,796.59 3,129.80 5,767.00 5,274.40 3,796.59 1,379.29 2,333.43 1,530.61	2,438.02
23 73 13 00-0019	EA		5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	14,036.08 1,214.63 2,315.88 3,454.92 6,019.06 6,531.89 2,942.09 4,993.40 4,993.40 4,480.58 3,967.75 3,265.94 6,019.06 5,506.23 3,967.75 1,435.92 2,451.81 1,608.74	2,645.06
23 73 13 00-0020	EA		6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	14,720.81 1,269.09 2,416.39 3,604.29 6,269.55 6,802.61 3,071.24 5,203.45 5,203.45 4,670.40 4,137.34 3,401.30 6,269.55 5,736.50 4,137.34 1,492.55 2,563.90 1,685.30	2,841.63
23 73 13 00-0021	EA		6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	15,410.26 1,323.79 2,517.24 3,754.13 6,520.51 7,073.79 3,200.86 5,413.96 5,413.96 4,860.69 4,307.41 3,536.90 6,520.51 5,967.24 4,307.41 1,549.17 2,677.89 1,762.34	3,041.92
23 73 13 00-0022	EA		7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	16,205.64 1,386.67 2,633.01 3,926.12 6,808.07 7,384.46 3,349.73 5,655.29 5,655.29 5,078.90 4,502.51 3,692.23 6,808.07 6,231.68 4,502.51 1,613.89 2,811.14 1,851.12	3,274.37

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 73 13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,014.63	3,508.30
		For Flat Filter Box And Throwaway Filters, Add	1,450.24	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,749.73	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,099.48	
		For Manual Roll Filter, Add	7,096.99	
		For Automatic Roll Filter, Add	7,696.50	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,499.97	
		For Electric Heating Coil, Add	5,897.99	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,897.99	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,298.48	
		For Steam Heating Coil, Aluminum Fins, Add	4,698.98	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,848.25	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,096.99	
		For Direct Expansion Cooling Coil, Copper Fins, Add	6,497.49	
		For Hot Water Heating Coil, Copper Fins, Add	4,698.98	
		For Variable Air Volume, Add	1,678.61	
		For Economizer, Panel, Controls And Damper(s), Add	2,687.37	
		For 2 Coils, Independent Circuits, Add	1,941.26	
23 73 13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,851.65	3,778.01
		For Flat Filter Box And Throwaway Filters, Add	1,515.20	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,868.42	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,275.63	
		For Manual Roll Filter, Add	7,388.71	
		For Automatic Roll Filter, Add	8,011.33	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,653.01	
		For Electric Heating Coil, Add	6,143.48	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,143.48	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,520.86	
		For Steam Heating Coil, Aluminum Fins, Add	4,898.25	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,005.67	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,388.71	
		For Direct Expansion Cooling Coil, Copper Fins, Add	6,766.10	
		For Hot Water Heating Coil, Copper Fins, Add	4,898.25	
		For Variable Air Volume, Add	1,743.33	
		For Economizer, Panel, Controls And Damper(s), Add	2,799.80	
		For 2 Coils, Independent Circuits, Add	2,034.21	
23 73 13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	18,806.90	4,092.77
		For Flat Filter Box And Throwaway Filters, Add	1,588.96	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,002.89	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,475.17	
		For Manual Roll Filter, Add	7,718.26	
		For Automatic Roll Filter, Add	8,366.88	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,826.55	
		For Electric Heating Coil, Add	6,421.02	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,421.02	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,772.40	
		For Steam Heating Coil, Aluminum Fins, Add	5,123.79	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,183.44	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,718.26	
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,069.64	
		For Hot Water Heating Coil, Copper Fins, Add	5,123.79	
		For Variable Air Volume, Add	1,816.13	
		For Economizer, Panel, Controls And Damper(s), Add	2,930.36	
		For 2 Coils, Independent Circuits, Add	2,140.14	
23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,736.39	4,369.74
		For Flat Filter Box And Throwaway Filters, Add	1,661.44	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,135.56	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,672.13	
		For Manual Roll Filter, Add	8,045.23	
		For Automatic Roll Filter, Add	8,719.85	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,997.50	
		For Electric Heating Coil, Add	6,695.99	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,695.99	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,021.37	
		For Steam Heating Coil, Aluminum Fins, Add	5,346.75	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,359.93	
		For Chilled Water Cooling Coil, Copper Fins, Add	8,045.23	
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,370.61	
		For Hot Water Heating Coil, Copper Fins, Add	5,346.75	
		For Variable Air Volume, Add	1,888.94	
		For Economizer, Panel, Controls And Damper(s), Add	3,053.19	
		For 2 Coils, Independent Circuits, Add	2,243.49	
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,776.25	4,231.05
		For Flat Filter Box And Throwaway Filters, Add	1,676.44	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,172.16	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,728.12	
		For Manual Roll Filter, Add	8,166.23	
		For Automatic Roll Filter, Add	8,853.86	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,040.49	
		For Electric Heating Coil, Add	6,790.99	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,790.99	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,103.36	
		For Steam Heating Coil, Aluminum Fins, Add	5,415.74	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,426.93	
		For Chilled Water Cooling Coil, Copper Fins, Add	8,166.23	
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,478.61	
		For Hot Water Heating Coil, Copper Fins, Add	5,415.74	
		For Variable Air Volume, Add	1,925.34	
		For Economizer, Panel, Controls And Damper(s), Add	2,987.14	
		For 2 Coils, Independent Circuits, Add	2,252.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0028	EA		12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	20,717.15 1,736.48 3,271.82 4,874.21 8,377.34 9,077.96 4,173.59 6,976.09 6,976.09 6,275.46 5,574.84 4,538.98 8,377.34 7,676.71 5,574.84 1,961.75 3,191.40 2,351.96	4,694.22
23 73 13 00-0029	EA		13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	21,794.85 1,832.26 3,456.19 5,149.56 8,862.14 9,604.66 4,407.04 7,377.11 7,377.11 6,634.59 5,892.07 4,802.33 8,862.14 8,119.63 5,892.07 2,079.05 2,788.90 2,476.49	4,882.77
23 73 13 00-0030	EA		15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	22,939.26 1,931.37 3,645.22 5,431.57 9,353.62 10,138.03 4,647.16 7,784.80 7,784.80 7,000.39 6,215.98 5,069.02 9,353.62 8,569.21 6,215.98 2,196.35 2,850.21 2,607.69	5,071.87
23 73 13 00-0031	EA		16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	24,137.30 2,038.95 3,853.02 5,742.06 9,902.46 10,734.55 4,909.97 8,238.30 8,238.30 7,406.22 6,574.14 5,367.27 9,902.46 9,070.38 6,574.14 2,329.83 2,899.13 2,746.56	5,266.94
23 73 13 00-0032	EA		17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	25,394.93 2,149.50 4,065.00 6,058.51 10,457.27 11,337.02 5,178.75 8,697.76 8,697.76 7,818.01 6,938.26 5,668.51 10,457.27 9,577.52 6,938.26 2,463.31 2,959.97 2,891.39	5,462.22

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	28,248.11	5,855.90
		For Flat Filter Box And Throwaway Filters, Add	2,406.28	
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,561.44	
		For Combination Filter Mixing Box And Throwaway Filters, Add	7,794.19	
		For Manual Roll Filter, Add	11,173.37	
		For Automatic Roll Filter, Add	11,769.69	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,812.56	
		For Electric Heating Coil, Add	5,210.11	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	8,788.06	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,794.19	
		For Steam Heating Coil, Aluminum Fins, Add	6,800.31	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	5,387.91	
		For Chilled Water Cooling Coil, Copper Fins, Add	10,775.82	
		For Direct Expansion Cooling Coil, Copper Fins, Add	9,781.94	
		For Hot Water Heating Coil, Copper Fins, Add	7,794.19	
		For Variable Air Volume, Add	2,782.85	
		For Economizer, Panel, Controls And Damper(s), Add	3,199.86	
		For 2 Coils, Independent Circuits, Add	3,222.36	
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	31,295.09	6,311.06
		For Flat Filter Box And Throwaway Filters, Add	2,677.09	
		For Medium Capacity Filter Box And Throwaway Filters, Add	5,082.72	
		For Combination Filter Mixing Box And Throwaway Filters, Add	8,691.17	
		For Manual Roll Filter, Add	12,473.09	
		For Automatic Roll Filter, Add	13,140.49	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,354.17	
		For Electric Heating Coil, Add	5,799.10	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	9,803.50	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,691.17	
		For Steam Heating Coil, Aluminum Fins, Add	7,578.84	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	6,014.08	
		For Chilled Water Cooling Coil, Copper Fins, Add	12,028.16	
		For Direct Expansion Cooling Coil, Copper Fins, Add	10,915.83	
		For Hot Water Heating Coil, Copper Fins, Add	8,691.17	
		For Variable Air Volume, Add	3,114.53	
		For Economizer, Panel, Controls And Damper(s), Add	3,318.48	
		For 2 Coils, Independent Circuits, Add	3,574.44	
23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	34,601.02	6,762.17
		For Flat Filter Box And Throwaway Filters, Add	2,976.73	
		For Medium Capacity Filter Box And Throwaway Filters, Add	5,663.43	
		For Combination Filter Mixing Box And Throwaway Filters, Add	9,693.49	
		For Manual Roll Filter, Add	13,932.20	
		For Automatic Roll Filter, Add	14,680.20	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,953.46	
		For Electric Heating Coil, Add	6,452.13	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	10,940.17	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,693.49	
		For Steam Heating Coil, Aluminum Fins, Add	8,446.81	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	6,716.76	
		For Chilled Water Cooling Coil, Copper Fins, Add	13,433.53	
		For Direct Expansion Cooling Coil, Copper Fins, Add	12,186.85	
		For Hot Water Heating Coil, Copper Fins, Add	9,693.49	
		For Variable Air Volume, Add	3,490.70	
		For Economizer, Panel, Controls And Damper(s), Add	3,426.81	
		For 2 Coils, Independent Circuits, Add	3,958.77	
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	42,296.30	7,282.69
		For Flat Filter Box And Throwaway Filters, Add	3,709.64	
		For Medium Capacity Filter Box And Throwaway Filters, Add	7,107.28	
		For Combination Filter Mixing Box And Throwaway Filters, Add	12,203.75	
		For Manual Roll Filter, Add	17,626.14	
		For Automatic Roll Filter, Add	18,583.04	
		For Hot Water Heating Coil, Aluminum Fins, Add	7,419.28	
		For Electric Heating Coil, Add	8,057.21	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	13,798.57	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,203.75	
		For Steam Heating Coil, Aluminum Fins, Add	10,608.92	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	8,494.11	
		For Chilled Water Cooling Coil, Copper Fins, Add	16,988.21	
		For Direct Expansion Cooling Coil, Copper Fins, Add	15,393.39	
		For Hot Water Heating Coil, Copper Fins, Add	12,203.75	
		For Variable Air Volume, Add	4,465.50	
		For Economizer, Panel, Controls And Damper(s), Add	3,554.97	
		For 2 Coils, Independent Circuits, Add	4,867.56	
23 73 13 00-0037	EA	30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	47,153.22	7,773.19
		For Flat Filter Box And Throwaway Filters, Add	4,160.50	
		For Medium Capacity Filter Box And Throwaway Filters, Add	7,988.12	
		For Combination Filter Mixing Box And Throwaway Filters, Add	13,729.54	
		For Manual Roll Filter, Add	19,859.21	
		For Automatic Roll Filter, Add	20,940.91	
		For Hot Water Heating Coil, Aluminum Fins, Add	8,321.01	
		For Electric Heating Coil, Add	9,042.15	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	15,532.38	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,729.54	
		For Steam Heating Coil, Aluminum Fins, Add	11,926.70	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	9,569.04	
		For Chilled Water Cooling Coil, Copper Fins, Add	19,138.07	
		For Direct Expansion Cooling Coil, Copper Fins, Add	17,335.23	
		For Hot Water Heating Coil, Copper Fins, Add	13,729.54	
		For Variable Air Volume, Add	5,047.96	
		For Economizer, Panel, Controls And Damper(s), Add	3,429.45	
		For 2 Coils, Independent Circuits, Add	5,436.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0038	EA		32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	51,620.36 4,564.44 8,770.31 15,079.12 21,822.74 23,012.79 9,128.87 9,922.24 17,062.54 15,079.12 13,095.70 10,514.69 21,029.37 19,045.96 15,079.12 5,553.57 3,557.80 5,955.40	8,370.58
23 73 13 00-0039	EA		35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	56,612.28 5,011.94 9,634.30 16,567.85 23,984.36 25,293.15 10,023.88 10,896.41 18,749.18 16,567.85 14,386.53 11,555.91 23,111.83 20,930.50 16,567.85 6,107.71 3,712.87 6,533.76	10,478.65
23 73 13 00-0040	EA		37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	60,889.55 5,400.60 10,388.18 17,869.56 25,880.36 27,294.04 10,801.20 11,743.64 20,225.68 17,869.56 15,513.44 12,468.96 24,937.92 22,581.80 17,869.56 6,597.14 3,830.07 7,031.40	9,641.59
23 73 13 00-0041	EA		40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	65,662.14 5,827.02 11,210.53 19,285.79 27,935.11 29,461.46 11,654.05 12,671.61 21,829.71 19,285.79 16,741.88 13,458.77 26,917.54 24,373.63 19,285.79 7,122.96 3,677.98 7,583.78	10,314.14
23 73 13 00-0042	EA		45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	70,861.79 6,290.69 12,104.09 20,824.19 30,166.04 31,814.61 12,581.39 13,680.43 23,571.80 20,824.19 18,076.59 14,533.50 29,067.00 26,319.40 20,824.19 7,693.29 3,818.72 8,185.22	11,136.40

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0043	EA		47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throaway Filters, Add For Medium Capacity Filter Box And Throaway Filters, Add For Combination Filter Mixing Box And Throaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	73,830.93 6,551.83 12,604.89 21,684.50 31,409.45 33,125.62 13,103.65 14,247.77 24,544.78 21,684.50 18,824.22 15,132.67 30,265.34 27,405.06 21,684.50 8,008.79 3,908.17 8,527.21	11,659.47
23 73 13 00-0044	EA		50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throaway Filters, Add For Medium Capacity Filter Box And Throaway Filters, Add For Combination Filter Mixing Box And Throaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	76,626.84 6,798.52 13,078.55 22,498.58 32,587.00 34,367.30 13,597.04 14,783.92 25,465.76 22,498.58 19,531.40 15,700.06 31,400.12 28,432.94 22,498.58 8,308.10 3,990.41 8,849.56	12,107.91
23 73 13 00-0045	EA		55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throaway Filters, Add For Medium Capacity Filter Box And Throaway Filters, Add For Combination Filter Mixing Box And Throaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	82,590.46 7,335.06 14,115.73 24,286.73 35,185.55 37,108.87 14,670.12 15,952.33 27,492.27 24,286.73 21,081.19 16,951.67 33,903.34 30,697.80 24,286.73 8,975.50 4,139.97 9,541.26	12,930.05
23 73 13 00-0046	EA		60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throaway Filters, Add For Medium Capacity Filter Box And Throaway Filters, Add For Combination Filter Mixing Box And Throaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	90,268.31 8,038.21 15,483.24 26,650.78 38,635.07 40,749.94 16,076.41 17,486.33 30,175.57 26,650.78 23,125.99 18,612.58 37,225.15 33,700.36 26,650.78 9,869.41 3,877.25 10,436.75	13,826.94
23 73 13 00-0047	EA		65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throaway Filters, Add For Medium Capacity Filter Box And Throaway Filters, Add For Combination Filter Mixing Box And Throaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	98,899.72 8,822.26 17,003.88 29,276.32 42,459.03 44,785.39 17,644.51 19,195.42 33,153.59 29,276.32 25,399.05 20,454.06 40,908.12 37,030.86 29,276.32 10,856.35 4,035.43 11,440.88	14,948.04

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0048	EA		70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	108,528.46 9,692.29 18,688.24 32,182.16 46,686.10 49,245.61 19,384.57 21,090.92 36,448.02 32,182.16 27,916.30 22,489.88 44,979.75 40,713.89 32,182.16 11,944.42 4,221.12 12,559.19	16,218.62
23 73 13 00-0049			Multi-Zone Units <small>(23 73 13)</small> Note: Horizontal/vertical blow-thru fan, motor and cabinet.		
23 73 13 00-0050	EA		1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	6,543.90 1,984.85 558.33 1,059.02 1,347.79 2,734.60 2,734.60 654.39 746.84 2,272.33 2,272.33 2,734.60 2,734.60 746.84	1,345.11
23 73 13 00-0051	EA		1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	8,156.93 2,325.24 695.32 1,318.41 1,678.11 3,402.95 3,402.95 815.69 930.68 2,828.00 2,828.00 3,402.95 3,402.95 930.68	1,685.18
23 73 13 00-0052	EA		1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	10,016.06 2,433.40 873.51 1,670.15 2,119.72 4,355.93 4,355.93 1,001.61 1,150.69 3,610.53 3,610.53 4,355.93 4,355.93 1,150.69	1,793.55
23 73 13 00-0053	EA		2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	10,428.21 2,560.11 905.67 1,729.05 2,195.60 4,501.16 4,501.16 1,042.82 1,196.53 3,732.64 3,732.64 4,501.16 4,501.16 1,196.53	1,920.61
23 73 13 00-0054	EA		2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	12,157.83 2,698.96 1,068.71 2,049.19 2,598.25 5,363.19 5,363.19 1,215.78 1,400.11 4,441.54 4,441.54 5,363.19 5,363.19 1,400.11	2,058.87

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 73 13 00-0055	EA	3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	12,828.33	2,204.83
		For Economizer, Panel, Controls And Damper(s), Add	2,844.72	
		For Flat Filter Box And Throwaway Filters, Add	1,125.35	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,156.22	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,734.64	
		For Manual Roll Filter, Add	5,638.26	
		For Automatic Roll Filter, Add	5,638.26	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,282.83	
		For Electric Heating Coil, Add	1,476.41	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	4,670.39	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,670.39	
		For Chilled Water Cooling Coil, Copper Fins, Add	5,638.26	
		For Direct Expansion Cooling Coil, Copper Fins, Add	5,638.26	
		For 2 Coils, Independent Circuits, Add	1,476.41	
23 73 13 00-0056	EA	3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,532.78	2,354.21
		For Economizer, Panel, Controls And Damper(s), Add	2,994.02	
		For Flat Filter Box And Throwaway Filters, Add	1,185.13	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,269.38	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,878.76	
		For Manual Roll Filter, Add	5,929.73	
		For Automatic Roll Filter, Add	5,929.73	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,353.28	
		For Electric Heating Coil, Add	1,556.68	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	4,912.74	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,912.74	
		For Chilled Water Cooling Coil, Copper Fins, Add	5,929.73	
		For Direct Expansion Cooling Coil, Copper Fins, Add	5,929.73	
		For 2 Coils, Independent Circuits, Add	1,556.68	
23 73 13 00-0057	EA	4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,071.08	2,526.21
		For Economizer, Panel, Controls And Damper(s), Add	2,730.59	
		For Flat Filter Box And Throwaway Filters, Add	1,327.05	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,546.08	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,227.61	
		For Manual Roll Filter, Add	6,668.61	
		For Automatic Roll Filter, Add	6,668.61	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,507.11	
		For Electric Heating Coil, Add	1,736.51	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,521.61	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,521.61	
		For Chilled Water Cooling Coil, Copper Fins, Add	6,668.61	
		For Direct Expansion Cooling Coil, Copper Fins, Add	6,668.61	
		For 2 Coils, Independent Circuits, Add	1,736.51	
23 73 13 00-0058	EA	4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,461.83	2,705.38
		For Economizer, Panel, Controls And Damper(s), Add	2,875.77	
		For Flat Filter Box And Throwaway Filters, Add	1,452.93	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,789.91	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,535.70	
		For Manual Roll Filter, Add	7,314.74	
		For Automatic Roll Filter, Add	7,314.74	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,646.18	
		For Electric Heating Coil, Add	1,898.12	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,055.06	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,055.06	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,314.74	
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,314.74	
		For 2 Coils, Independent Circuits, Add	1,898.12	
23 73 13 00-0059	EA	5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,408.67	2,889.45
		For Economizer, Panel, Controls And Damper(s), Add	3,015.16	
		For Flat Filter Box And Throwaway Filters, Add	1,534.94	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,946.33	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,734.40	
		For Manual Roll Filter, Add	7,721.45	
		For Automatic Roll Filter, Add	7,721.45	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,740.87	
		For Electric Heating Coil, Add	2,006.67	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,392.43	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,392.43	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,721.45	
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,721.45	
		For 2 Coils, Independent Circuits, Add	2,006.67	
23 73 13 00-0060	EA	5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,175.72	3,086.99
		For Economizer, Panel, Controls And Damper(s), Add	3,176.63	
		For Flat Filter Box And Throwaway Filters, Add	1,696.97	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,261.58	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,132.12	
		For Manual Roll Filter, Add	8,561.22	
		For Automatic Roll Filter, Add	8,561.22	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,917.57	
		For Electric Heating Coil, Add	2,212.85	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	7,084.86	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,084.86	
		For Chilled Water Cooling Coil, Copper Fins, Add	8,561.22	
		For Direct Expansion Cooling Coil, Copper Fins, Add	8,561.22	
		For 2 Coils, Independent Circuits, Add	2,212.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0061	EA		6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	20,407.40	3,303.73
			For Economizer, Panel, Controls And Damper(s), Add	3,345.55	
			For Flat Filter Box And Throwaway Filters, Add	1,804.78	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,467.99	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,393.97	
			For Manual Roll Filter, Add	9,100.43	
			For Automatic Roll Filter, Add	9,100.43	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,040.74	
			For Electric Heating Coil, Add	2,354.50	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,531.61	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,531.61	
			For Chilled Water Cooling Coil, Copper Fins, Add	9,100.43	
			For Direct Expansion Cooling Coil, Copper Fins, Add	9,100.43	
			For 2 Coils, Independent Circuits, Add	2,354.50	
23 73 13 00-0062	EA		6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,369.31	3,587.53
			For Economizer, Panel, Controls And Damper(s), Add	3,566.52	
			For Flat Filter Box And Throwaway Filters, Add	1,980.88	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,808.14	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,824.19	
			For Manual Roll Filter, Add	9,998.69	
			For Automatic Roll Filter, Add	9,998.69	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,236.93	
			For Electric Heating Coil, Add	2,581.90	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	8,273.86	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,273.86	
			For Chilled Water Cooling Coil, Copper Fins, Add	9,998.69	
			For Direct Expansion Cooling Coil, Copper Fins, Add	9,998.69	
			For 2 Coils, Independent Circuits, Add	2,581.90	
23 73 13 00-0063	EA		7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	24,037.50	3,864.18
			For Economizer, Panel, Controls And Damper(s), Add	3,784.85	
			For Flat Filter Box And Throwaway Filters, Add	2,127.85	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,090.17	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,181.69	
			For Manual Roll Filter, Add	10,737.57	
			For Automatic Roll Filter, Add	10,737.57	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,403.75	
			For Electric Heating Coil, Add	2,774.14	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	8,885.61	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,885.61	
			For Chilled Water Cooling Coil, Copper Fins, Add	10,737.57	
			For Direct Expansion Cooling Coil, Copper Fins, Add	10,737.57	
			For 2 Coils, Independent Circuits, Add	2,774.14	
23 73 13 00-0064	EA		7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	25,256.25	4,177.98
			For Economizer, Panel, Controls And Damper(s), Add	3,322.63	
			For Flat Filter Box And Throwaway Filters, Add	2,227.80	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,276.89	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,420.58	
			For Manual Roll Filter, Add	11,210.48	
			For Automatic Roll Filter, Add	11,210.48	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,525.63	
			For Electric Heating Coil, Add	2,911.62	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	9,280.51	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,280.51	
			For Chilled Water Cooling Coil, Copper Fins, Add	11,210.48	
			For Direct Expansion Cooling Coil, Copper Fins, Add	11,210.48	
			For 2 Coils, Independent Circuits, Add	2,911.62	
23 73 13 00-0065	EA		8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	27,994.97	4,506.62
			For Economizer, Panel, Controls And Damper(s), Add	3,516.70	
			For Flat Filter Box And Throwaway Filters, Add	2,477.41	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,761.57	
			For Combination Filter Mixing Box And Throwaway Filters, Add	6,032.48	
			For Manual Roll Filter, Add	12,498.45	
			For Automatic Roll Filter, Add	12,498.45	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,799.50	
			For Electric Heating Coil, Add	3,230.56	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	10,343.13	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,343.13	
			For Chilled Water Cooling Coil, Copper Fins, Add	12,498.45	
			For Direct Expansion Cooling Coil, Copper Fins, Add	12,498.45	
			For 2 Coils, Independent Circuits, Add	3,230.56	
23 73 13 00-0066	EA		8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	29,508.94	4,857.90
			For Economizer, Panel, Controls And Damper(s), Add	3,717.80	
			For Flat Filter Box And Throwaway Filters, Add	2,603.67	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,999.00	
			For Combination Filter Mixing Box And Throwaway Filters, Add	6,335.56	
			For Manual Roll Filter, Add	13,104.89	
			For Automatic Roll Filter, Add	13,104.89	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,950.89	
			For Electric Heating Coil, Add	3,402.18	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	10,848.45	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,848.45	
			For Chilled Water Cooling Coil, Copper Fins, Add	13,104.89	
			For Direct Expansion Cooling Coil, Copper Fins, Add	13,104.89	
			For 2 Coils, Independent Circuits, Add	3,402.18	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0067	EA		9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	31,183.96	5,261.71
			For Economizer, Panel, Controls And Damper(s), Add	3,937.10	
			For Flat Filter Box And Throwaway Filters, Add	2,743.76	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,262.73	
			For Combination Filter Mixing Box And Throwaway Filters, Add	6,672.08	
			For Manual Roll Filter, Add	13,779.44	
			For Automatic Roll Filter, Add	13,779.44	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,118.40	
			For Electric Heating Coil, Add	3,592.22	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	11,410.32	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,410.32	
			For Chilled Water Cooling Coil, Copper Fins, Add	13,779.44	
			For Direct Expansion Cooling Coil, Copper Fins, Add	13,779.44	
			For 2 Coils, Independent Circuits, Add	3,592.22	
23 73 13 00-0068	EA		10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	32,995.29	5,679.93
			For Economizer, Panel, Controls And Damper(s), Add	3,615.86	
			For Flat Filter Box And Throwaway Filters, Add	2,893.55	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,543.52	
			For Combination Filter Mixing Box And Throwaway Filters, Add	7,030.89	
			For Manual Roll Filter, Add	14,493.63	
			For Automatic Roll Filter, Add	14,493.63	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,299.53	
			For Electric Heating Coil, Add	3,797.04	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	12,006.05	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,006.05	
			For Chilled Water Cooling Coil, Copper Fins, Add	14,493.63	
			For Direct Expansion Cooling Coil, Copper Fins, Add	14,493.63	
			For 2 Coils, Independent Circuits, Add	3,797.04	
23 73 13 00-0069	EA		11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	33,941.10	5,897.00
			For Economizer, Panel, Controls And Damper(s), Add	3,713.25	
			For Flat Filter Box And Throwaway Filters, Add	2,971.90	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,690.48	
			For Combination Filter Mixing Box And Throwaway Filters, Add	7,218.65	
			For Manual Roll Filter, Add	14,867.74	
			For Automatic Roll Filter, Add	14,867.74	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,394.11	
			For Electric Heating Coil, Add	3,904.05	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	12,318.04	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,318.04	
			For Chilled Water Cooling Coil, Copper Fins, Add	14,867.74	
			For Direct Expansion Cooling Coil, Copper Fins, Add	14,867.74	
			For 2 Coils, Independent Circuits, Add	3,904.05	
23 73 13 00-0070	EA		12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	34,838.13	6,107.45
			For Economizer, Panel, Controls And Damper(s), Add	3,796.00	
			For Flat Filter Box And Throwaway Filters, Add	3,047.81	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,834.02	
			For Combination Filter Mixing Box And Throwaway Filters, Add	7,401.53	
			For Manual Roll Filter, Add	15,236.97	
			For Automatic Roll Filter, Add	15,236.97	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,483.81	
			For Electric Heating Coil, Add	4,006.18	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	12,625.16	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,625.16	
			For Chilled Water Cooling Coil, Copper Fins, Add	15,236.97	
			For Direct Expansion Cooling Coil, Copper Fins, Add	15,236.97	
			For 2 Coils, Independent Circuits, Add	4,006.18	
23 73 13 00-0071	EA		13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	39,262.82	6,352.92
			For Economizer, Panel, Controls And Damper(s), Add	3,219.97	
			For Flat Filter Box And Throwaway Filters, Add	3,471.29	
			For Medium Capacity Filter Box And Throwaway Filters, Add	6,669.58	
			For Combination Filter Mixing Box And Throwaway Filters, Add	8,450.73	
			For Manual Roll Filter, Add	17,499.61	
			For Automatic Roll Filter, Add	17,499.61	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,926.28	
			For Electric Heating Coil, Add	4,529.54	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	14,483.32	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,483.32	
			For Chilled Water Cooling Coil, Copper Fins, Add	17,499.61	
			For Direct Expansion Cooling Coil, Copper Fins, Add	17,499.61	
			For 2 Coils, Independent Circuits, Add	4,529.54	
23 73 13 00-0072	EA		15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	43,647.34	6,604.58
			For Economizer, Panel, Controls And Damper(s), Add	3,386.92	
			For Flat Filter Box And Throwaway Filters, Add	3,892.76	
			For Medium Capacity Filter Box And Throwaway Filters, Add	7,502.33	
			For Combination Filter Mixing Box And Throwaway Filters, Add	9,495.90	
			For Manual Roll Filter, Add	19,758.24	
			For Automatic Roll Filter, Add	19,758.24	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,364.73	
			For Electric Heating Coil, Add	5,048.89	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	16,337.46	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,337.46	
			For Chilled Water Cooling Coil, Copper Fins, Add	19,758.24	
			For Direct Expansion Cooling Coil, Copper Fins, Add	19,758.24	
			For 2 Coils, Independent Circuits, Add	5,048.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0073	EA		16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	50,017.32	6,853.67
			For Economizer, Panel, Controls And Damper(s), Add	3,447.48	
			For Flat Filter Box And Throwaway Filters, Add	4,512.45	
			For Medium Capacity Filter Box And Throwaway Filters, Add	8,731.34	
			For Combination Filter Mixing Box And Throwaway Filters, Add	11,036.49	
			For Manual Roll Filter, Add	23,106.01	
			For Automatic Roll Filter, Add	23,106.01	
			For Hot Water Heating Coil, Aluminum Fins, Add	5,001.73	
			For Electric Heating Coil, Add	5,806.37	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	19,082.83	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	19,082.83	
			For Chilled Water Cooling Coil, Copper Fins, Add	23,106.01	
			For Direct Expansion Cooling Coil, Copper Fins, Add	23,106.01	
			For 2 Coils, Independent Circuits, Add	5,806.37	
23 73 13 00-0074	EA		17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	56,392.20	7,100.31
			For Economizer, Panel, Controls And Damper(s), Add	3,508.90	
			For Flat Filter Box And Throwaway Filters, Add	5,132.39	
			For Medium Capacity Filter Box And Throwaway Filters, Add	9,960.69	
			For Combination Filter Mixing Box And Throwaway Filters, Add	12,577.57	
			For Manual Roll Filter, Add	26,454.26	
			For Automatic Roll Filter, Add	26,454.26	
			For Hot Water Heating Coil, Aluminum Fins, Add	5,639.22	
			For Electric Heating Coil, Add	6,564.33	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	21,828.70	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,828.70	
			For Chilled Water Cooling Coil, Copper Fins, Add	26,454.26	
			For Direct Expansion Cooling Coil, Copper Fins, Add	26,454.26	
			For 2 Coils, Independent Circuits, Add	6,564.33	
23 73 13 00-0075	EA		20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	63,259.95	7,698.24
			For Economizer, Panel, Controls And Damper(s), Add	3,659.09	
			For Flat Filter Box And Throwaway Filters, Add	5,776.25	
			For Medium Capacity Filter Box And Throwaway Filters, Add	8,609.41	
			For Combination Filter Mixing Box And Throwaway Filters, Add	14,165.76	
			For Manual Roll Filter, Add	22,005.53	
			For Automatic Roll Filter, Add	27,232.05	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,326.00	
			For Electric Heating Coil, Add	7,371.30	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	22,005.53	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	22,005.53	
			For Steam Heating Coil, Aluminum Fins, Add	11,552.51	
			For Chilled Water Cooling Coil, Copper Fins, Add	27,232.05	
			For Direct Expansion Cooling Coil, Copper Fins, Add	27,232.05	
			For 2 Coils, Independent Circuits, Add	7,371.30	
23 73 13 00-0076	EA		22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	68,231.73	8,370.90
			For Economizer, Panel, Controls And Damper(s), Add	3,548.93	
			For Flat Filter Box And Throwaway Filters, Add	6,228.53	
			For Medium Capacity Filter Box And Throwaway Filters, Add	9,283.33	
			For Combination Filter Mixing Box And Throwaway Filters, Add	15,274.00	
			For Manual Roll Filter, Add	23,724.83	
			For Automatic Roll Filter, Add	29,358.72	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,823.17	
			For Electric Heating Coil, Add	7,949.95	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	23,724.83	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	23,724.83	
			For Steam Heating Coil, Aluminum Fins, Add	12,457.06	
			For Chilled Water Cooling Coil, Copper Fins, Add	29,358.72	
			For Direct Expansion Cooling Coil, Copper Fins, Add	29,358.72	
			For 2 Coils, Independent Circuits, Add	7,949.95	
23 73 13 00-0077	EA		25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	81,215.98	9,043.24
			For Economizer, Panel, Controls And Damper(s), Add	3,702.39	
			For Flat Filter Box And Throwaway Filters, Add	7,475.80	
			For Medium Capacity Filter Box And Throwaway Filters, Add	11,149.12	
			For Combination Filter Mixing Box And Throwaway Filters, Add	18,366.60	
			For Manual Roll Filter, Add	28,611.61	
			For Automatic Roll Filter, Add	35,441.61	
			For Hot Water Heating Coil, Aluminum Fins, Add	8,121.60	
			For Electric Heating Coil, Add	9,487.60	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	28,611.61	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	28,611.61	
			For Steam Heating Coil, Aluminum Fins, Add	14,951.60	
			For Chilled Water Cooling Coil, Copper Fins, Add	35,441.61	
			For Direct Expansion Cooling Coil, Copper Fins, Add	35,441.61	
			For 2 Coils, Independent Circuits, Add	9,487.60	
23 73 13 00-0078	EA		27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	91,714.86	9,790.96
			For Economizer, Panel, Controls And Damper(s), Add	3,860.08	
			For Flat Filter Box And Throwaway Filters, Add	8,473.12	
			For Medium Capacity Filter Box And Throwaway Filters, Add	12,639.85	
			For Combination Filter Mixing Box And Throwaway Filters, Add	20,833.63	
			For Manual Roll Filter, Add	32,495.78	
			For Automatic Roll Filter, Add	40,270.54	
			For Hot Water Heating Coil, Aluminum Fins, Add	9,171.49	
			For Electric Heating Coil, Add	10,726.44	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	32,495.78	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	32,495.78	
			For Steam Heating Coil, Aluminum Fins, Add	16,946.25	
			For Chilled Water Cooling Coil, Copper Fins, Add	40,270.54	
			For Direct Expansion Cooling Coil, Copper Fins, Add	40,270.54	
			For 2 Coils, Independent Circuits, Add	10,726.44	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 73 13 00-0079	EA	30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	99,396.79	10,538.69
		For Economizer, Panel, Controls And Damper(s), Add	4,024.28	
		For Flat Filter Box And Throwaway Filters, Add	9,186.59	
		For Medium Capacity Filter Box And Throwaway Filters, Add	13,704.57	
		For Combination Filter Mixing Box And Throwaway Filters, Add	22,589.92	
		For Manual Roll Filter, Add	35,240.16	
		For Automatic Roll Filter, Add	43,673.66	
		For Hot Water Heating Coil, Aluminum Fins, Add	9,939.68	
		For Electric Heating Coil, Add	11,626.38	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	35,240.16	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	35,240.16	
		For Steam Heating Coil, Aluminum Fins, Add	18,373.17	
		For Chilled Water Cooling Coil, Copper Fins, Add	43,673.66	
		For Direct Expansion Cooling Coil, Copper Fins, Add	43,673.66	
		For 2 Coils, Independent Circuits, Add	11,626.38	
23 73 13 00-0080	EA	32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	111,208.90	12,331.81
		For Economizer, Panel, Controls And Damper(s), Add	4,029.97	
		For Flat Filter Box And Throwaway Filters, Add	10,240.90	
		For Medium Capacity Filter Box And Throwaway Filters, Add	15,273.36	
		For Combination Filter Mixing Box And Throwaway Filters, Add	25,162.27	
		For Manual Roll Filter, Add	39,203.64	
		For Automatic Roll Filter, Add	48,564.56	
		For Hot Water Heating Coil, Aluminum Fins, Add	11,120.89	
		For Electric Heating Coil, Add	12,993.07	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	39,203.64	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	39,203.64	
		For Steam Heating Coil, Aluminum Fins, Add	20,481.81	
		For Chilled Water Cooling Coil, Copper Fins, Add	48,564.56	
		For Direct Expansion Cooling Coil, Copper Fins, Add	48,564.56	
		For 2 Coils, Independent Circuits, Add	12,993.07	
23 73 13 00-0081	EA	35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	111,867.14	12,780.57
		For Economizer, Panel, Controls And Damper(s), Add	4,112.25	
		For Flat Filter Box And Throwaway Filters, Add	10,273.82	
		For Medium Capacity Filter Box And Throwaway Filters, Add	15,319.43	
		For Combination Filter Mixing Box And Throwaway Filters, Add	25,228.09	
		For Manual Roll Filter, Add	39,269.47	
		For Automatic Roll Filter, Add	48,630.39	
		For Hot Water Heating Coil, Aluminum Fins, Add	11,186.71	
		For Electric Heating Coil, Add	13,058.90	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	39,269.47	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	39,269.47	
		For Steam Heating Coil, Aluminum Fins, Add	20,547.63	
		For Chilled Water Cooling Coil, Copper Fins, Add	48,630.39	
		For Direct Expansion Cooling Coil, Copper Fins, Add	48,630.39	
		For 2 Coils, Independent Circuits, Add	13,058.90	
23 73 13 00-0082	EA	37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	116,974.72	13,228.59
		For Economizer, Panel, Controls And Damper(s), Add	4,194.53	
		For Flat Filter Box And Throwaway Filters, Add	10,751.66	
		For Medium Capacity Filter Box And Throwaway Filters, Add	16,032.91	
		For Combination Filter Mixing Box And Throwaway Filters, Add	26,406.25	
		For Manual Roll Filter, Add	41,115.03	
		For Automatic Roll Filter, Add	50,920.88	
		For Hot Water Heating Coil, Aluminum Fins, Add	11,697.47	
		For Electric Heating Coil, Add	13,658.64	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	41,115.03	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	41,115.03	
		For Steam Heating Coil, Aluminum Fins, Add	21,503.32	
		For Chilled Water Cooling Coil, Copper Fins, Add	50,920.88	
		For Direct Expansion Cooling Coil, Copper Fins, Add	50,920.88	
		For 2 Coils, Independent Circuits, Add	13,658.64	
23 73 13 00-0083	EA	40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	122,463.09	14,200.64
		For Economizer, Panel, Controls And Damper(s), Add	4,364.13	
		For Flat Filter Box And Throwaway Filters, Add	11,232.66	
		For Medium Capacity Filter Box And Throwaway Filters, Add	16,747.62	
		For Combination Filter Mixing Box And Throwaway Filters, Add	27,574.81	
		For Manual Roll Filter, Add	42,903.32	
		For Automatic Roll Filter, Add	53,122.32	
		For Hot Water Heating Coil, Aluminum Fins, Add	12,246.31	
		For Electric Heating Coil, Add	14,290.11	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	42,903.32	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	42,903.32	
		For Steam Heating Coil, Aluminum Fins, Add	22,465.31	
		For Chilled Water Cooling Coil, Copper Fins, Add	53,122.32	
		For Direct Expansion Cooling Coil, Copper Fins, Add	53,122.32	
		For 2 Coils, Independent Circuits, Add	14,290.11	
23 73 13 00-0084	EA	45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	131,886.26	14,948.04
		For Economizer, Panel, Controls And Damper(s), Add	4,487.48	
		For Flat Filter Box And Throwaway Filters, Add	12,125.63	
		For Medium Capacity Filter Box And Throwaway Filters, Add	18,082.15	
		For Combination Filter Mixing Box And Throwaway Filters, Add	29,782.59	
		For Manual Roll Filter, Add	46,376.55	
		For Automatic Roll Filter, Add	57,439.19	
		For Hot Water Heating Coil, Aluminum Fins, Add	13,188.63	
		For Electric Heating Coil, Add	15,401.15	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	46,376.55	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	46,376.55	
		For Steam Heating Coil, Aluminum Fins, Add	24,251.27	
		For Chilled Water Cooling Coil, Copper Fins, Add	57,439.19	
		For Direct Expansion Cooling Coil, Copper Fins, Add	57,439.19	
		For 2 Coils, Independent Circuits, Add	15,401.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0085	EA		50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	141,735.80	15,770.18
			For Economizer, Panel, Controls And Damper(s), Add	4,155.74	
			For Flat Filter Box And Throwaway Filters, Add	13,045.71	
			For Medium Capacity Filter Box And Throwaway Filters, Add	19,455.77	
			For Combination Filter Mixing Box And Throwaway Filters, Add	32,050.33	
			For Manual Roll Filter, Add	49,927.09	
			For Automatic Roll Filter, Add	61,844.92	
			For Hot Water Heating Coil, Aluminum Fins, Add	14,173.58	
			For Electric Heating Coil, Add	16,557.15	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	49,927.09	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	49,927.09	
			For Steam Heating Coil, Aluminum Fins, Add	26,091.42	
			For Chilled Water Cooling Coil, Copper Fins, Add	61,844.92	
			For Direct Expansion Cooling Coil, Copper Fins, Add	61,844.92	
			For 2 Coils, Independent Circuits, Add	16,557.15	
23 73 13 00-0086	EA		55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	152,616.78	16,741.80
			For Economizer, Panel, Controls And Damper(s), Add	4,290.42	
			For Flat Filter Box And Throwaway Filters, Add	14,066.47	
			For Medium Capacity Filter Box And Throwaway Filters, Add	20,980.19	
			For Combination Filter Mixing Box And Throwaway Filters, Add	34,568.57	
			For Manual Roll Filter, Add	53,875.47	
			For Automatic Roll Filter, Add	66,746.73	
			For Hot Water Heating Coil, Aluminum Fins, Add	15,261.68	
			For Electric Heating Coil, Add	17,835.93	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	53,875.47	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	53,875.47	
			For Steam Heating Coil, Aluminum Fins, Add	28,132.94	
			For Chilled Water Cooling Coil, Copper Fins, Add	66,746.73	
			For Direct Expansion Cooling Coil, Copper Fins, Add	66,746.73	
			For 2 Coils, Independent Circuits, Add	17,835.93	
23 73 13 00-0087	EA		60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	163,540.90	17,190.25
			For Economizer, Panel, Controls And Damper(s), Add	4,351.39	
			For Flat Filter Box And Throwaway Filters, Add	15,128.39	
			For Medium Capacity Filter Box And Throwaway Filters, Add	22,570.02	
			For Combination Filter Mixing Box And Throwaway Filters, Add	37,208.14	
			For Manual Roll Filter, Add	58,062.18	
			For Automatic Roll Filter, Add	71,964.88	
			For Hot Water Heating Coil, Aluminum Fins, Add	16,354.09	
			For Electric Heating Coil, Add	19,134.63	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	58,062.18	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	58,062.18	
			For Steam Heating Coil, Aluminum Fins, Add	30,256.79	
			For Chilled Water Cooling Coil, Copper Fins, Add	71,964.88	
			For Direct Expansion Cooling Coil, Copper Fins, Add	71,964.88	
			For 2 Coils, Independent Circuits, Add	19,134.63	
23 73 13 00-0088			Return/Supply Air Fan <small>(23 73 13)</small>		
			Note: Includes vibration mounts.		
23 73 13 00-0089	EA		300 CFM Return Air Fan.....	2,832.45	597.81
23 73 13 00-0090	EA		500 CFM Return Air Fan.....	3,660.81	717.40
23 73 13 00-0091	EA		750 CFM Return Air Fan.....	3,823.40	747.29
23 73 13 00-0092	EA		1,000 CFM Return Air Fan.....	4,351.47	792.14
23 73 13 00-0093	EA		1,250 CFM Return Air Fan.....	4,486.71	829.51
23 73 13 00-0094	EA		1,500 CFM Return Air Fan.....	4,594.55	866.88
23 73 13 00-0095	EA		1,750 CFM Return Air Fan.....	4,822.47	911.73
23 73 13 00-0096	EA		2,000 CFM Return Air Fan.....	5,350.53	956.56
23 73 13 00-0097	EA		2,250 CFM Return Air Fan.....	5,605.62	1,001.41
23 73 13 00-0098	EA		2,500 CFM Return Air Fan.....	5,751.59	1,046.26
23 73 13 00-0099	EA		3,000 CFM Return Air Fan.....	6,102.45	1,158.37
23 73 13 00-0100	EA		3,500 CFM Return Air Fan.....	6,269.95	1,218.15
23 73 13 00-0101	EA		4,000 CFM Return Air Fan.....	6,426.51	1,270.48
23 73 13 00-0102	EA		4,500 CFM Return Air Fan.....	6,621.29	1,330.38
23 73 13 00-0103	EA		5,000 CFM Return Air Fan.....	6,799.11	1,397.64
23 73 13 00-0104	EA		5,500 CFM Return Air Fan.....	7,142.98	1,562.07
23 73 13 00-0105	EA		6,000 CFM Return Air Fan.....	8,132.39	1,853.56
23 73 13 00-0106	EA		6,500 CFM Return Air Fan.....	8,339.49	1,883.45
23 73 13 00-0107	EA		7,000 CFM Return Air Fan.....	8,431.56	1,890.93
23 73 13 00-0108	EA		8,000 CFM Return Air Fan.....	8,856.97	1,920.82
23 73 13 00-0109	EA		9,000 CFM Return Air Fan.....	9,049.22	1,943.24
23 73 13 00-0110	EA		10,000 CFM Return Air Fan.....	9,514.43	2,018.30
23 73 13 00-0111	EA		12,500 CFM Return Air Fan.....	10,111.68	2,055.25
23 73 13 00-0112	EA		15,000 CFM Return Air Fan.....	11,370.13	2,113.65
23 73 13 00-0113	EA		17,500 CFM Return Air Fan.....	12,378.06	2,227.15
23 73 13 00-0114	EA		20,000 CFM Return Air Fan.....	14,645.00	2,324.10
23 73 13 00-0115	EA		22,500 CFM Return Air Fan.....	15,341.22	2,405.14
23 73 13 00-0116	EA		25,000 CFM Return Air Fan.....	16,026.93	2,473.90
23 73 13 00-0117	EA		27,500 CFM Return Air Fan.....	17,011.01	2,720.54
23 73 13 00-0118	EA		30,000 CFM Return Air Fan.....	18,178.62	2,869.81
23 73 13 00-0119	EA		35,000 CFM Return Air Fan.....	20,451.84	2,989.29
23 73 13 00-0120	EA		40,000 CFM Return Air Fan.....	24,044.65	3,288.25
23 73 13 00-0121	EA		45,000 CFM Return Air Fan.....	29,514.54	3,736.69
23 73 13 00-0122	EA		50,000 CFM Return Air Fan.....	35,765.79	3,871.54
23 73 13 00-0123	EA		55,000 CFM Return Air Fan.....	37,421.26	3,983.33
23 73 13 00-0124	EA		60,000 CFM Return Air Fan.....	38,286.30	4,087.97
23 73 13 00-0125	EA		65,000 CFM Return Air Fan.....	40,146.25	4,267.24
23 73 13 00-0126	EA		70,000 CFM Return Air Fan.....	42,166.29	4,477.36
23 73 13 00-0127	EA		75,000 CFM Return Air Fan.....	45,325.78	4,697.00
23 73 13 00-0128	EA		80,000 CFM Return Air Fan.....	47,346.03	4,945.98

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 73 13 00-0129	EA	90,000 CFM Return Air Fan.....	48,914.94	5,227.65
23 73 13 00-0130	EA	100,000 CFM Return Air Fan.....	52,557.87	5,466.92
23 73 13 00-0131	EA	115,000 CFM Return Air Fan.....	56,506.36	5,728.41
23 73 13 00-0132	EA	130,000 CFM Return Air Fan.....	60,792.61	6,017.01
23 73 13 00-0133	EA	150,000 CFM Return Air Fan.....	66,459.51	6,337.54

23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit (23 73 13)

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135	EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit.....	2,737.74	
23 73 13 00-0136	EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit.....	3,713.80	
23 73 13 00-0137	EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit.....	4,619.92	
23 73 13 00-0138	EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit.....	8,429.35	

23 74 Packaged Outdoor HVAC Equipment (23 70)**23 74 16 Packaged Rooftop Air-Conditioning Units** (23 74)**23 74 16 00-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units** (23 74 16)

Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 11.2 EER, >11 to 20 tons have 11 EER, >20 to 63 tons have 10 EER and >63 tons have 9.7 EER. Excludes crane and associated personnel. See CSI section 26 28 16 00-0001 for disconnects.

23 74 16 00-0002	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	3,351.01	337.10
		Note: Electric load approximately 1/2 the cooling capacity.		
		<i>For Unit Without Heat, Deduct</i>	-435.35	
		<i>For Unit Economizer, Add</i>	451.20	
		<i>For Equipment Base Roof Curb, Add</i>	407.66	
23 74 16 00-0003	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	4,862.83	381.97
		Note: Electric load approximately 1/2 the cooling capacity.		
		<i>For Unit Without Heat, Deduct</i>	-653.03	
		<i>For Unit Economizer, Add</i>	660.42	
		<i>For Equipment Base Roof Curb, Add</i>	595.12	
23 74 16 00-0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	6,007.20	391.68
		Note: Electric load approximately 1/2 the cooling capacity.		
		<i>For Unit Without Heat, Deduct</i>	-822.87	
		<i>For Unit Economizer, Add</i>	820.15	
		<i>For Equipment Base Roof Curb, Add</i>	737.86	
23 74 16 00-0005	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	7,512.02	491.10
		Note: Electric load approximately 1/2 the cooling capacity.		
		<i>For Unit Without Heat, Deduct</i>	-1,028.58	
		<i>For Unit Economizer, Add</i>	1,025.49	
		<i>For Equipment Base Roof Curb, Add</i>	922.63	
23 74 16 00-0006	EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	8,975.83	527.48
		Note: Electric load approximately 1/2 the cooling capacity.		
		<i>For Unit Without Heat, Deduct</i>	-1,240.88	
		<i>For Unit Economizer, Add</i>	1,228.48	
		<i>For Equipment Base Roof Curb, Add</i>	1,104.40	
23 74 16 00-0007	EA	7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	10,439.62	563.86
		Note: Electric load approximately 1/2 the cooling capacity.		
		<i>For Unit Without Heat, Deduct</i>	-1,453.17	
		<i>For Unit Economizer, Add</i>	1,431.47	
		<i>For Equipment Base Roof Curb, Add</i>	1,286.16	
23 74 16 00-0008	EA	8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	12,079.30	582.05
		Note: Electric load approximately 1/2 the cooling capacity.		
		<i>For Unit Without Heat, Deduct</i>	-1,695.48	
		<i>For Unit Economizer, Add</i>	1,660.06	
		<i>For Equipment Base Roof Curb, Add</i>	1,490.51	
23 74 16 00-0009	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	13,705.27	591.76
		Note: Electric load approximately 1/2 the cooling capacity.		
		<i>For Unit Without Heat, Deduct</i>	-1,937.56	
		<i>For Unit Economizer, Add</i>	1,887.21	
		<i>For Equipment Base Roof Curb, Add</i>	1,693.45	
23 74 16 00-0010	EA	12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	17,140.68	745.76
		Note: Electric load approximately 1/2 the cooling capacity.		
		<i>For Unit Without Heat, Deduct</i>	-2,421.95	
		<i>For Unit Economizer, Add</i>	2,359.92	
		<i>For Equipment Base Roof Curb, Add</i>	2,117.73	
23 74 16 00-0011	EA	15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	20,563.96	891.27
		Note: Electric load approximately 1/2 the cooling capacity.		
		<i>For Unit Without Heat, Deduct</i>	-2,906.34	
		<i>For Unit Economizer, Add</i>	2,831.42	
		<i>For Equipment Base Roof Curb, Add</i>	2,540.79	
23 74 16 00-0012	EA	17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	23,177.77	1,028.29
		Note: Electric load approximately 1/2 the cooling capacity.		
		<i>For Unit Without Heat, Deduct</i>	-3,271.13	
		<i>For Unit Economizer, Add</i>	3,190.08	
		<i>For Equipment Base Roof Curb, Add</i>	2,862.97	
23 74 16 00-0013	EA	20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	25,803.71	1,173.81
		Note: Electric load approximately 1/2 the cooling capacity.		
		<i>For Unit Without Heat, Deduct</i>	-3,635.92	
		<i>For Unit Economizer, Add</i>	3,549.95	
		<i>For Equipment Base Roof Curb, Add</i>	3,186.36	
23 74 16 00-0014	EA	22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	28,833.64	1,173.81
		Note: Electric load approximately 1/2 the cooling capacity.		
		<i>For Unit Without Heat, Deduct</i>	-4,090.41	
		<i>For Unit Economizer, Add</i>	3,974.14	
		<i>For Equipment Base Roof Curb, Add</i>	3,565.10	

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

23 74 16 00-0015	EA		25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	32,287.99	1,491.52
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-4,544.90	
			<i>For Unit Economizer, Add</i>	4,440.77	
			<i>For Equipment Base Roof Curb, Add</i>	3,986.28	
23 74 16 00-0016	EA		27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	35,536.18	1,655.21
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-4,999.38	
			<i>For Unit Economizer, Add</i>	4,886.79	
			<i>For Equipment Base Roof Curb, Add</i>	4,386.85	
23 74 16 00-0017	EA		30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	38,784.38	1,818.92
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-5,453.87	
			<i>For Unit Economizer, Add</i>	5,332.80	
			<i>For Equipment Base Roof Curb, Add</i>	4,787.42	
23 74 16 00-0018	EA		35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	45,086.76	2,000.80
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-6,362.85	
			<i>For Unit Economizer, Add</i>	6,205.44	
			<i>For Equipment Base Roof Curb, Add</i>	5,569.15	
23 74 16 00-0019	EA		40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	48,187.62	2,174.21
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-6,793.42	
			<i>For Unit Economizer, Add</i>	6,630.34	
			<i>For Equipment Base Roof Curb, Add</i>	5,951.00	
23 74 16 00-0020	EA		45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	54,224.71	2,455.54
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-7,642.60	
			<i>For Unit Economizer, Add</i>	7,460.50	
			<i>For Equipment Base Roof Curb, Add</i>	6,696.24	
23 74 16 00-0021	EA		50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	60,249.68	2,728.38
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-8,491.78	
			<i>For Unit Economizer, Add</i>	8,289.44	
			<i>For Equipment Base Roof Curb, Add</i>	7,440.26	
23 74 16 00-0022	EA		55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	64,179.12	2,865.40
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-9,053.91	
			<i>For Unit Economizer, Add</i>	8,832.29	
			<i>For Equipment Base Roof Curb, Add</i>	7,926.90	
23 74 16 00-0023	EA		60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	68,060.05	2,964.84
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-9,616.04	
			<i>For Unit Economizer, Add</i>	9,370.28	
			<i>For Equipment Base Roof Curb, Add</i>	8,408.68	
23 74 16 00-0024	EA		65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	73,596.31	3,110.35
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-10,417.38	
			<i>For Unit Economizer, Add</i>	10,137.60	
			<i>For Equipment Base Roof Curb, Add</i>	9,095.86	
23 74 16 00-0025	EA		75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	84,270.17	3,401.37
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-11,960.25	
			<i>For Unit Economizer, Add</i>	11,616.42	
			<i>For Equipment Base Roof Curb, Add</i>	10,420.39	

23 74 16 00-0026 Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units (23 74 16)

Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 11.2 EER, >11 to 20 tons have 11 EER, >20 to 63 tons have 10 EER and >63 tons have 9.7 EER. Excludes crane and associated personnel.

23 74 16 00-0027	EA		2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,246.40	337.10
			<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-189.89	
			<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-75.95	
			<i>For Unit Economizer, Add</i>	576.55	
			<i>For Equipment Base Roof Curb, Add</i>	519.58	
23 74 16 00-0028	EA		3 Ton Electric Cooling, 60 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,351.02	381.97
			<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-192.09	
			<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-76.83	
			<i>For Unit Economizer, Add</i>	588.77	
			<i>For Equipment Base Roof Curb, Add</i>	531.15	
23 74 16 00-0029	EA		4 Ton Electric Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,074.29	391.68
			<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-227.64	
			<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-91.06	
			<i>For Unit Economizer, Add</i>	689.54	
			<i>For Equipment Base Roof Curb, Add</i>	621.25	
23 74 16 00-0030	EA		5 Ton Electric Cooling, 100 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,738.80	491.10
			<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-254.20	
			<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-101.68	
			<i>For Unit Economizer, Add</i>	777.24	
			<i>For Equipment Base Roof Curb, Add</i>	700.98	
23 74 16 00-0031	EA		6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit.....	6,609.53	527.48
			<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-295.31	
			<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-118.12	
			<i>For Unit Economizer, Add</i>	897.20	
			<i>For Equipment Base Roof Curb, Add</i>	808.61	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 74 16 00-0032	EA	7.5 Ton Electric Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit	8,394.41	563.86
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-382.13	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-152.85	
		<i>For Unit Economizer, Add</i>	1,145.14	
		<i>For Equipment Base Roof Curb, Add</i>	1,030.51	
23 74 16 00-0033	EA	8.5 Ton Electric Cooling, 170 MBH Gas Heating, Self Contained Package Rooftop Unit	9,335.36	582.05
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-427.96	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-171.19	
		<i>For Unit Economizer, Add</i>	1,275.91	
		<i>For Equipment Base Roof Curb, Add</i>	1,147.52	
23 74 16 00-0034	EA	10 Ton Electric Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit	10,938.24	591.76
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-507.50	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-203.00	
		<i>For Unit Economizer, Add</i>	1,499.83	
		<i>For Equipment Base Roof Curb, Add</i>	1,347.58	
23 74 16 00-0035	EA	12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit	13,163.90	745.76
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-608.48	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-243.39	
		<i>For Unit Economizer, Add</i>	1,803.17	
		<i>For Equipment Base Roof Curb, Add</i>	1,620.63	
23 74 16 00-0036	EA	15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit	16,347.86	891.27
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-757.98	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-303.19	
		<i>For Unit Economizer, Add</i>	2,241.17	
		<i>For Equipment Base Roof Curb, Add</i>	2,013.77	
23 74 16 00-0037	EA	17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit	19,467.23	1,028.29
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-904.85	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-361.94	
		<i>For Unit Economizer, Add</i>	2,670.60	
		<i>For Equipment Base Roof Curb, Add</i>	2,399.15	
23 74 16 00-0038	EA	20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit	22,609.22	1,173.81
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,052.25	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-420.90	
		<i>For Unit Economizer, Add</i>	3,102.72	
		<i>For Equipment Base Roof Curb, Add</i>	2,787.05	
23 74 16 00-0039	EA	22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit	25,396.96	1,332.66
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,181.02	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-472.41	
		<i>For Unit Economizer, Add</i>	3,484.52	
		<i>For Equipment Base Roof Curb, Add</i>	3,130.21	
23 74 16 00-0040	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	23,301.16	1,491.52
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,065.62	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-426.25	
		<i>For Unit Economizer, Add</i>	3,182.61	
		<i>For Equipment Base Roof Curb, Add</i>	2,862.93	
23 74 16 00-0041	EA	27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit	26,325.63	1,655.21
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,205.93	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-482.37	
		<i>For Unit Economizer, Add</i>	3,597.31	
		<i>For Equipment Base Roof Curb, Add</i>	3,235.53	
23 74 16 00-0042	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit	24,361.90	1,818.92
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,096.83	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-438.73	
		<i>For Unit Economizer, Add</i>	3,313.66	
		<i>For Equipment Base Roof Curb, Add</i>	2,984.61	
23 74 16 00-0043	EA	35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit	31,858.95	2,000.80
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,459.56	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-583.82	
		<i>For Unit Economizer, Add</i>	4,353.54	
		<i>For Equipment Base Roof Curb, Add</i>	3,915.68	
23 74 16 00-0044	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit	33,306.30	2,174.21
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,520.41	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-608.16	
		<i>For Unit Economizer, Add</i>	4,546.96	
		<i>For Equipment Base Roof Curb, Add</i>	4,090.83	
23 74 16 00-0045	EA	45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit	41,067.88	2,455.54
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,889.69	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-755.88	
		<i>For Unit Economizer, Add</i>	5,618.54	
		<i>For Equipment Base Roof Curb, Add</i>	5,051.63	
23 74 16 00-0046	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit	41,001.53	2,728.38
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,868.19	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-747.27	
		<i>For Unit Economizer, Add</i>	5,594.70	
		<i>For Equipment Base Roof Curb, Add</i>	5,034.25	
23 74 16 00-0047	EA	55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit	51,658.68	2,865.40
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-2,391.95	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-956.78	
		<i>For Unit Economizer, Add</i>	7,079.43	
		<i>For Equipment Base Roof Curb, Add</i>	6,361.84	
23 74 16 00-0048	EA	60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit	52,369.07	2,964.84
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-2,420.80	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-968.32	
		<i>For Unit Economizer, Add</i>	7,173.55	
		<i>For Equipment Base Roof Curb, Add</i>	6,447.31	
23 74 16 00-0049	EA	65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit	61,228.66	3,110.35
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-2,854.08	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-1,141.63	
		<i>For Unit Economizer, Add</i>	8,406.13	
		<i>For Equipment Base Roof Curb, Add</i>	7,549.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 00-0050	EA		70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	66,563.27 -3,111.11 -1,244.44 9,145.21 8,211.88	3,255.86
23 74 16 00-0051	EA		75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	70,864.52 -3,316.47 -1,326.59 9,739.63 8,744.69	3,401.37
23 74 16 00-0052	EA		80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	67,895.87 -3,157.73 -1,263.09 9,315.77 8,368.45	3,556.59
23 74 16 00-0053	EA		90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	79,510.45 -3,727.54 -1,491.02 10,933.08 9,814.82	3,720.29
23 74 16 00-0054	EA		100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	85,610.81 -4,007.70 -1,603.08 11,767.24 10,564.93	4,092.56
23 74 16 00-0055			Gas Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units <small>(23 74 16)</small> Note: Units up to 5 tons have 13 SEER. Units > 5 to 11 tons have 11 EER, >11 to 20 tons have 10.8 EER, >20 to 63 tons have 9.8 EER and >63 tons have 9.5 EER. Excludes crane and associated personnel.		
23 74 16 00-0056	EA		2 Ton Gas Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	4,877.51 664.91 598.47	337.10
23 74 16 00-0057	EA		3 Ton Gas Cooling, 90 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	5,395.54 735.00 661.71	381.97
23 74 16 00-0058	EA		4 Ton Gas Cooling, 110 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	6,284.88 859.03 772.57	391.68
23 74 16 00-0059	EA		5 Ton Gas Cooling, 112 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	7,215.75 984.01 885.60	491.10
23 74 16 00-0060	EA		6 Ton Gas Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	8,374.62 1,144.31 1,029.24	527.48
23 74 16 00-0061	EA		7.5 Ton Gas Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	10,808.44 1,483.11 1,332.26	563.86
23 74 16 00-0062	EA		8.5 Ton Gas Cooling, 240 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	13,005.89 1,789.78 1,606.33	582.05
23 74 16 00-0063	EA		10 Ton Gas Cooling, 270 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	15,053.26 2,075.93 1,861.95	591.76
23 74 16 00-0064	EA		12.5 Ton Gas Cooling, 335 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	17,313.55 2,384.12 2,139.34	745.76
23 74 16 00-0065	EA		15 Ton Gas Cooling, 375 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	19,558.64 2,690.68 2,415.12	891.27
23 74 16 00-0066	EA		17.5 Ton Gas Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	25,453.41 3,508.67 3,147.42	1,028.29
23 74 16 00-0067	EA		20 Ton Gas Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	31,356.45 4,327.33 3,880.45	1,173.81
23 74 16 00-0068	EA		22.5 Ton Gas Cooling, 490 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	34,591.38 4,771.73 4,279.51	1,332.66
23 74 16 00-0069	EA		25 Ton Gas Cooling, 525 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	37,457.80 5,164.54 4,632.51	1,491.52
23 74 16 00-0070	EA		30 Ton Gas Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	44,368.85 6,114.63 5,485.48	1,818.92
23 74 16 00-0071	EA		35 Ton Gas Cooling, 725 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	51,218.15 7,063.83 6,335.58	2,000.80
23 74 16 00-0072	EA		40 Ton Gas Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	57,509.32 7,935.38 7,116.21	2,174.21
23 74 16 00-0073	EA		45 Ton Gas Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	64,091.17 8,841.80 7,929.55	2,455.54
23 74 16 00-0074	EA		50 Ton Gas Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	69,978.21 9,651.44 8,656.33	2,728.38

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 00-0075	EA		55 Ton Gas Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit	74,922.97	2,865.40
			<i>For Unit Economizer, Add</i>	10,336.43	
			<i>For Equipment Base Roof Curb, Add</i>	9,269.88	
23 74 16 00-0076	EA		60 Ton Gas Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	79,020.02	2,964.84
			<i>For Unit Economizer, Add</i>	10,904.68	
			<i>For Equipment Base Roof Curb, Add</i>	9,778.67	
23 74 16 00-0077	EA		65 Ton Gas Cooling, 1,250 MBH Gas Heating, Self Contained Package Rooftop Unit	88,131.30	3,110.35
			<i>For Unit Economizer, Add</i>	12,172.50	
			<i>For Equipment Base Roof Curb, Add</i>	10,912.73	
23 74 16 00-0078	EA		70 Ton Gas Cooling, 1,300 MBH Gas Heating, Self Contained Package Rooftop Unit	96,818.51	3,255.86
			<i>For Unit Economizer, Add</i>	13,380.95	
			<i>For Equipment Base Roof Curb, Add</i>	11,993.79	
23 74 16 00-0079	EA		75 Ton Gas Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit	105,512.14	3,401.37
			<i>For Unit Economizer, Add</i>	14,590.29	
			<i>For Equipment Base Roof Curb, Add</i>	13,075.64	
23 74 16 00-0080	EA		80 Ton Gas Cooling, 1,400 MBH Gas Heating, Self Contained Package Rooftop Unit	113,593.04	3,556.59
			<i>For Unit Economizer, Add</i>	15,713.37	
			<i>For Equipment Base Roof Curb, Add</i>	14,080.60	
23 74 16 00-0081	EA		90 Ton Gas Cooling, 1,500 MBH Gas Heating, Self Contained Package Rooftop Unit	131,547.29	3,720.29
			<i>For Unit Economizer, Add</i>	18,218.24	
			<i>For Equipment Base Roof Curb, Add</i>	16,319.42	
23 74 16 00-0082	EA		100 Ton Gas Cooling, 1,700 MBH Gas Heating, Self Contained Package Rooftop Unit	147,900.93	4,092.56
			<i>For Unit Economizer, Add</i>	20,487.86	
			<i>For Equipment Base Roof Curb, Add</i>	18,351.20	
23 74 16 00-0083 Heating Only Packaged Rooftop Units (23 74 16)					
Note: Includes throwaway filters and filter rack. Manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel.					
23 74 16 00-0084	EA		24 MBH Electric Heating Only Self Contained Package Rooftop Unit	3,383.08	375.91
			<i>For Gas Heat, Add</i>	221.78	
23 74 16 00-0085	EA		32 MBH Electric Heating Only Self Contained Package Rooftop Unit	3,990.72	436.54
			<i>For Gas Heat, Add</i>	261.89	
23 74 16 00-0086	EA		45 MBH Electric Heating Only Self Contained Package Rooftop Unit	5,426.28	448.66
			<i>For Gas Heat, Add</i>	361.89	
23 74 16 00-0087	EA		60 MBH Electric Heating Only Self Contained Package Rooftop Unit	6,310.51	569.92
			<i>For Gas Heat, Add</i>	419.18	
23 74 16 00-0088	EA		95 MBH Electric Heating Only Self Contained Package Rooftop Unit	7,465.16	654.81
			<i>For Gas Heat, Add</i>	496.37	
23 74 16 00-0089	EA		112 MBH Electric Heating Only Self Contained Package Rooftop Unit	8,435.43	703.32
			<i>For Gas Heat, Add</i>	562.11	
23 74 16 00-0090	EA		140 MBH Electric Heating Only Self Contained Package Rooftop Unit	10,064.63	763.94
			<i>For Gas Heat, Add</i>	674.69	
23 74 16 00-0091	EA		170 MBH Electric Heating Only Self Contained Package Rooftop Unit	12,974.68	788.20
			<i>For Gas Heat, Add</i>	876.46	
23 74 16 00-0092	EA		200 MBH Electric Heating Only Self Contained Package Rooftop Unit	17,370.73	897.33
			<i>For Gas Heat, Add</i>	1,180.30	
23 74 16 00-0093	EA		230 MBH Electric Heating Only Self Contained Package Rooftop Unit	20,423.42	994.34
			<i>For Gas Heat, Add</i>	1,389.87	
23 74 16 00-0094	EA		270 MBH Electric Heating Only Self Contained Package Rooftop Unit	26,891.11	1,212.61
			<i>For Gas Heat, Add</i>	1,833.87	
23 74 16 00-0095	EA		330 MBH Electric Heating Only Self Contained Package Rooftop Unit	33,667.88	1,455.13
			<i>For Gas Heat, Add</i>	2,298.79	
23 74 16 00-0096	EA		360 MBH Electric Heating Only Self Contained Package Rooftop Unit	41,998.34	1,818.92
			<i>For Gas Heat, Add</i>	2,867.13	
23 74 16 00-0097	EA		450 MBH Electric Heating Only Self Contained Package Rooftop Unit	50,853.24	1,988.69
			<i>For Gas Heat, Add</i>	3,480.66	
23 74 16 00-0098	EA		540 MBH Electric Heating Only Self Contained Package Rooftop Unit	65,603.04	2,376.72
			<i>For Gas Heat, Add</i>	4,497.39	
23 74 16 00-0099 Heat Pump, Packaged Rooftop Heat Pump Units (23 74 16)					
Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.					
23 74 16 00-0100 Packaged Rooftop Heat Pump Units (23 74 16 00-0099)					
Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.					
23 74 16 00-0101	EA		2 Ton Packaged Rooftop Heat Pump	5,849.56	497.17
			<i>For Economizer With Outside Air Control, Add</i>	1,516.77	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	242.76	
23 74 16 00-0102	EA		2.5 Ton Packaged Rooftop Heat Pump	6,123.60	521.43
			<i>For Economizer With Outside Air Control, Add</i>	1,591.90	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	253.43	
23 74 16 00-0103	EA		3 Ton Packaged Rooftop Heat Pump	6,463.13	569.92
23 74 16 00-0104	EA		3.5 Ton Packaged Rooftop Heat Pump	6,943.52	606.30
			<i>For Economizer With Outside Air Control, Add</i>	1,813.31	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	285.94	
23 74 16 00-0105	EA		4 Ton Packaged Rooftop Heat Pump	7,411.80	654.81
23 74 16 00-0106	EA		5 Ton Packaged Rooftop Heat Pump	7,949.51	703.32
23 74 16 00-0107	EA		6 Ton Packaged Rooftop Heat Pump	8,980.56	751.82
23 74 16 00-0108	EA		7.5 Ton Packaged Rooftop Heat Pump	11,921.37	788.20
23 74 16 00-0109	EA		8.5 Ton Packaged Rooftop Heat Pump	13,373.25	848.83
			<i>For Economizer With Outside Air Control, Add</i>	2,128.41	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	350.63	

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

23 74 16 00-0110 EA 10 Ton Packaged Rooftop Heat Pump	14,483.27	897.33
23 74 16 00-0111 EA 12.5 Ton Packaged Rooftop Heat Pump	16,994.51	994.34
23 74 16 00-0112 EA 15 Ton Packaged Rooftop Heat Pump	19,493.60	1,091.35
23 74 16 00-0113 EA 17.5 Ton Packaged Rooftop Heat Pump	21,771.35	1,139.86
23 74 16 00-0114 EA 20 Ton Packaged Rooftop Heat Pump	24,243.12	1,188.36

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units (23 74)

23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units (23 74 23)

23 74 23 13-0001 Make-Up Air Units (23 74 23 13)

Note: Including throwaway filters. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Excludes crane and associated personnel.

23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units (23 74 23 13-0001)

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel.

23 74 23 13-0003 EA 100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	4,863.34	545.68
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,186.16	
<i>For Equipment Base Roof Curb, Add</i>	580.63	
23 74 23 13-0004 EA 300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	6,211.60	618.43
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,551.23	
<i>For Equipment Base Roof Curb, Add</i>	745.23	
23 74 23 13-0005 EA 500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	8,513.10	727.56
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,190.15	
<i>For Equipment Base Roof Curb, Add</i>	1,039.40	
23 74 23 13-0006 EA 670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	8,628.03	776.07
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,197.34	
<i>For Equipment Base Roof Curb, Add</i>	1,039.40	
23 74 23 13-0007 EA 800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	11,610.84	873.08
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,046.71	
<i>For Equipment Base Roof Curb, Add</i>	1,407.70	
23 74 23 13-0008 EA 1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	17,391.26	1,091.35
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,671.70	
<i>For Equipment Base Roof Curb, Add</i>	2,119.34	

23 74 23 13-0009 Electric Make-Up Air Units (23 74 23 13-0001)

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel.

23 74 23 13-0010 EA 33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric.....	9,507.95	545.68
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,579.55	
<i>For Equipment Base Roof Curb, Add</i>	1,161.21	
23 74 23 13-0011 EA 100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric.....	13,460.29	618.43
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,725.84	
<i>For Equipment Base Roof Curb, Add</i>	1,651.31	
23 74 23 13-0012 EA 150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric.....	16,636.73	727.56
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,627.24	
<i>For Equipment Base Roof Curb, Add</i>	2,043.21	
23 74 23 13-0013 EA 250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric.....	21,463.58	873.08
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	6,002.53	
<i>For Equipment Base Roof Curb, Add</i>	2,639.29	
23 74 23 13-0014 EA 400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric.....	34,426.84	1,091.35
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	9,782.38	
<i>For Equipment Base Roof Curb, Add</i>	4,248.79	

23 80 Decentralized Unitary HVAC Equipment (23)

23 81 Decentralized Unitary HVAC Equipment (23 80)

23 81 13 Packaged Terminal Air-Conditioners (23 81)

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13)

23 81 13 11-0001 Packaged Terminal Air-Conditioners (23 81 13 11)

23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)

23 81 13 11-0003 EA 7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,285.23	199.62
<i>For >35 To 70, Deduct</i>	-26.58	
<i>For >70 To 100, Deduct</i>	-44.30	
<i>For >100, Deduct</i>	-62.02	
23 81 13 11-0004 EA 9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,457.13	278.34
<i>For >35 To 70, Deduct</i>	-27.03	
<i>For >70 To 100, Deduct</i>	-45.05	
<i>For >100, Deduct</i>	-63.08	
23 81 13 11-0005 EA 11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,544.98	296.63
<i>For >35 To 70, Deduct</i>	-28.53	
<i>For >70 To 100, Deduct</i>	-47.55	
<i>For >100, Deduct</i>	-66.57	
23 81 13 11-0006 EA 14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,667.39	318.84
<i>For >35 To 70, Deduct</i>	-30.90	
<i>For >70 To 100, Deduct</i>	-51.50	
<i>For >100, Deduct</i>	-72.10	

23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 11-0008	EA		7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,440.52	246.97
			<i>For >35 To 70, Deduct</i>	-28.42	
			<i>For >70 To 100, Deduct</i>	-47.37	
			<i>For >100, Deduct</i>	-66.32	
23 81 13 11-0009	EA		9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,537.25	278.34
			<i>For >35 To 70, Deduct</i>	-29.44	
			<i>For >70 To 100, Deduct</i>	-49.06	
			<i>For >100, Deduct</i>	-68.68	
23 81 13 11-0010	EA		11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,603.04	296.63
			<i>For >35 To 70, Deduct</i>	-30.27	
			<i>For >70 To 100, Deduct</i>	-50.45	
			<i>For >100, Deduct</i>	-70.63	
23 81 13 11-0011	EA		14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,744.03	318.84
			<i>For >35 To 70, Deduct</i>	-33.20	
			<i>For >70 To 100, Deduct</i>	-55.33	
			<i>For >100, Deduct</i>	-77.46	
23 81 13 11-0012			Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve <small>(23 81 13 11)</small>		
			Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.		
23 81 13 11-0013	EA		Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	82.10	
23 81 13 11-0014	EA		>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	92.24	
23 81 13 11-0015	EA		>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	102.37	
23 81 13 11-0016			Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units <small>(23 81 13 11)</small>		
			Note: Includes storage and cleaning.		
23 81 13 11-0017	EA		Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	212.93	
23 81 13 13			Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units <small>(23 81 13)</small>		
23 81 13 13-0001			Single Package Vertical Wall Cooling Unit <small>(23 81 13 13)</small>		
			Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel.		
23 81 13 13-0002	EA		1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	2,972.69	242.84
23 81 13 13-0003	EA		1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	5,987.25	254.41
23 81 13 13-0004	EA		1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	7,807.08	265.97
23 81 13 13-0005	EA		2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	8,972.59	289.10
23 81 13 13-0006	EA		2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	11,244.70	335.35
23 81 13 13-0007	EA		3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	12,084.04	416.30
23 81 13 13-0008	EA		3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	13,381.01	462.56
23 81 13 13-0009	EA		4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	14,736.87	520.38
23 81 13 13-0010	EA		5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	16,594.44	624.46
23 81 13 13-0011	EA		7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	21,442.58	774.78
23 81 13 13-0012	EA		10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	25,615.26	1,040.76
23 81 13 13-0013	EA		15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	35,853.38	1,272.04
23 81 13 13-0014	EA		20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	41,319.97	1,514.88
23 81 13 13-0015	EA		25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	49,348.05	1,699.90
23 81 16			Room Air-Conditioners <small>(23 81)</small>		
23 81 16 00-0001			Window Unit, Room Air-Conditioners <small>(23 81 16)</small>		
23 81 16 00-0002			Cooling Only, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0001)</small>		
23 81 16 00-0003			Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) <small>(23 81 16 00-0002)</small>		
23 81 16 00-0004	EA		5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	426.20	111.79
			<i>For >10 To 50, Deduct</i>	-10.13	
			<i>For >50 To 75, Deduct</i>	-14.18	
			<i>For >75 To 100, Deduct</i>	-20.26	
			<i>For >100, Deduct</i>	-24.31	
23 81 16 00-0005	EA		6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	446.57	111.79
			<i>For >10 To 50, Deduct</i>	-11.15	
			<i>For >50 To 75, Deduct</i>	-15.61	
			<i>For >75 To 100, Deduct</i>	-22.30	
			<i>For >100, Deduct</i>	-26.76	
23 81 16 00-0006	EA		8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	497.48	111.79
			<i>For >10 To 50, Deduct</i>	-13.70	
			<i>For >50 To 75, Deduct</i>	-19.17	
			<i>For >75 To 100, Deduct</i>	-27.39	
			<i>For >100, Deduct</i>	-32.87	
23 81 16 00-0007	EA		10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	568.75	111.79
			<i>For >10 To 50, Deduct</i>	-17.26	
			<i>For >50 To 75, Deduct</i>	-24.16	
			<i>For >75 To 100, Deduct</i>	-34.52	
			<i>For >100, Deduct</i>	-41.42	
23 81 16 00-0008	EA		12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	660.39	111.79
			<i>For >10 To 50, Deduct</i>	-21.84	
			<i>For >50 To 75, Deduct</i>	-30.58	
			<i>For >75 To 100, Deduct</i>	-43.68	
			<i>For >100, Deduct</i>	-52.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0009	EA		15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1).....	762.21	111.79
			<i>For >10 To 50, Deduct</i>	-26.93	
			<i>For >50 To 75, Deduct</i>	-37.70	
			<i>For >75 To 100, Deduct</i>	-53.86	
			<i>For >100, Deduct</i>	-64.64	
23 81 16 00-0010	EA		8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1).....	721.48	111.79
			<i>For >10 To 50, Deduct</i>	-24.90	
			<i>For >50 To 75, Deduct</i>	-34.85	
			<i>For >75 To 100, Deduct</i>	-49.79	
			<i>For >100, Deduct</i>	-59.75	
23 81 16 00-0011	EA		10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1).....	772.39	111.79
			<i>For >10 To 50, Deduct</i>	-27.44	
			<i>For >50 To 75, Deduct</i>	-38.42	
			<i>For >75 To 100, Deduct</i>	-54.88	
			<i>For >100, Deduct</i>	-65.86	
23 81 16 00-0012	EA		12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1).....	813.12	111.79
			<i>For >10 To 50, Deduct</i>	-29.48	
			<i>For >50 To 75, Deduct</i>	-41.27	
			<i>For >75 To 100, Deduct</i>	-58.95	
			<i>For >100, Deduct</i>	-70.74	
23 81 16 00-0013	EA		18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2).....	853.85	111.79
			<i>For >10 To 50, Deduct</i>	-31.51	
			<i>For >50 To 75, Deduct</i>	-44.12	
			<i>For >75 To 100, Deduct</i>	-63.03	
			<i>For >100, Deduct</i>	-75.63	
23 81 16 00-0014	EA		22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2).....	935.30	111.79
			<i>For >10 To 50, Deduct</i>	-35.59	
			<i>For >50 To 75, Deduct</i>	-49.82	
			<i>For >75 To 100, Deduct</i>	-71.17	
			<i>For >100, Deduct</i>	-85.41	
23 81 16 00-0015	EA		25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2).....	945.48	111.79
			<i>For >10 To 50, Deduct</i>	-36.10	
			<i>For >50 To 75, Deduct</i>	-50.53	
			<i>For >75 To 100, Deduct</i>	-72.19	
			<i>For >100, Deduct</i>	-86.63	
23 81 16 00-0016	EA		28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2).....	1,148.08	111.79
			<i>For >10 To 50, Deduct</i>	-46.23	
			<i>For >50 To 75, Deduct</i>	-64.72	
			<i>For >75 To 100, Deduct</i>	-92.45	
			<i>For >100, Deduct</i>	-110.94	
23 81 16 00-0017			Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) <small>(23 81 16 00-0002)</small>		
23 81 16 00-0018	EA		8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C).....	1,212.58	111.79
23 81 16 00-0019	EA		10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C).....	1,322.58	111.79
23 81 16 00-0020	EA		11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C).....	1,372.58	111.79
23 81 16 00-0021	EA		12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C).....	1,392.58	111.79
23 81 16 00-0022	EA		20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C).....	1,572.58	111.79
23 81 16 00-0023	EA		24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C).....	2,022.58	111.79
23 81 16 00-0024	EA		28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C).....	2,172.58	111.79
23 81 16 00-0025	EA		36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B).....	2,372.58	111.79
23 81 16 00-0026			Heating And Cooling, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0001)</small>		
23 81 16 00-0027			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) <small>(23 81 16 00-0026)</small>		
23 81 16 00-0028	EA		8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1).....	813.12	111.79
			<i>For >10 To 50, Deduct</i>	-29.48	
			<i>For >50 To 75, Deduct</i>	-41.27	
			<i>For >75 To 100, Deduct</i>	-58.95	
			<i>For >100, Deduct</i>	-70.74	
23 81 16 00-0029	EA		12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2).....	925.12	111.79
			<i>For >10 To 50, Deduct</i>	-35.08	
			<i>For >50 To 75, Deduct</i>	-49.11	
			<i>For >75 To 100, Deduct</i>	-70.15	
			<i>For >100, Deduct</i>	-84.18	
23 81 16 00-0030	EA		18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2).....	986.21	111.79
			<i>For >10 To 50, Deduct</i>	-38.13	
			<i>For >50 To 75, Deduct</i>	-53.38	
			<i>For >75 To 100, Deduct</i>	-76.26	
			<i>For >100, Deduct</i>	-91.52	
23 81 16 00-0031	EA		25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2).....	1,210.22	111.79
			<i>For >10 To 50, Deduct</i>	-49.33	
			<i>For >50 To 75, Deduct</i>	-69.06	
			<i>For >75 To 100, Deduct</i>	-98.66	
			<i>For >100, Deduct</i>	-118.40	
23 81 16 00-0032			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0026)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0033	EA		12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B).....	1,442.58	111.79
23 81 16 00-0034			Accessories (23 81 16 00-0001)		
23 81 16 00-0035	SET		Aluminum Air Conditioner Unit Frame And Bracket Assembly.....	408.38	71.87
23 81 16 00-0036			Removal And Reinstallation Of Room Air-Conditioners (23 81 16)		
			Note: Includes storage and cleaning.		
23 81 16 00-0037	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash	133.09	
23 81 16 00-0038	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash	282.29	
23 81 16 00-0039			Through-The-Wall, Room Air-Conditioners (23 81 16)		
			Note: Base unit excludes wall sleeve.		
23 81 16 00-0040			Cooling Only, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)		
23 81 16 00-0041			Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0040)		
23 81 16 00-0042	EA		8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A)	908.69	79.85
			For >10 To 50, Deduct	-37.45	
			For >50 To 75, Deduct	-52.43	
			For >75 To 100, Deduct	-74.90	
			For >100, Deduct	-89.88	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	230.69	
23 81 16 00-0043	EA		9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B)	978.69	79.85
			For >10 To 50, Deduct	-40.95	
			For >50 To 75, Deduct	-57.33	
			For >75 To 100, Deduct	-81.90	
			For >100, Deduct	-98.28	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	230.69	
23 81 16 00-0044	EA		12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A)	1,108.69	79.85
			For >10 To 50, Deduct	-47.45	
			For >50 To 75, Deduct	-66.43	
			For >75 To 100, Deduct	-94.90	
			For >100, Deduct	-113.88	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	230.69	
23 81 16 00-0045	EA		10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A)	978.69	79.85
			For >10 To 50, Deduct	-40.95	
			For >50 To 75, Deduct	-57.33	
			For >75 To 100, Deduct	-81.90	
			For >100, Deduct	-98.28	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	230.69	
23 81 16 00-0046	EA		12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A)	1,108.69	79.85
			For >10 To 50, Deduct	-47.45	
			For >50 To 75, Deduct	-66.43	
			For >75 To 100, Deduct	-94.90	
			For >100, Deduct	-113.88	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	230.69	
23 81 16 00-0047			Heating And Cooling, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)		
23 81 16 00-0048			Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0047)		
23 81 16 00-0049	EA		10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33)	1,138.69	79.85
			For >10 To 50, Deduct	-48.95	
			For >50 To 75, Deduct	-68.53	
			For >75 To 100, Deduct	-97.90	
			For >100, Deduct	-117.48	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	230.69	
23 81 16 00-0050	EA		12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33)	1,218.69	79.85
			For >10 To 50, Deduct	-52.95	
			For >50 To 75, Deduct	-74.13	
			For >75 To 100, Deduct	-105.90	
			For >100, Deduct	-127.08	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	230.69	
23 81 23			Computer-Room Air-Conditioners (23 81)		
23 81 23 00-0001			Floor Mounted Air Cooled Direct Expansion Type (23 81 23)		
			Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.		
23 81 23 00-0002	EA		3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	28,111.77	2,272.42
			Note: Includes interior unit and remote condenser. Excludes piping.		
			For Liebert Unit, Add	3,087.42	
23 81 23 00-0003	EA		5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	31,024.08	2,485.46
			Note: Includes interior unit and remote condenser. Excludes piping.		
			For Liebert Unit, Add	3,409.41	
23 81 23 00-0004	EA		6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	42,773.77	2,840.53
			Note: Includes interior unit and remote condenser. Excludes piping.		
			For Liebert Unit, Add	4,818.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81	23 00-0005	EA	8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	46,795.77	3,018.05
			<i>For Liebert Unit, Add</i>	5,288.36	
23 81	23 00-0006	EA	10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	50,817.76	3,195.58
			<i>For Liebert Unit, Add</i>	5,758.10	
23 81	23 00-0007	EA	16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	57,017.95	3,834.70
			<i>For Liebert Unit, Add</i>	6,403.97	
23 81	23 00-0008	EA	20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	64,388.01	4,260.78
			<i>For Liebert Unit, Add</i>	7,256.34	
23 81	23 00-0009	EA	22 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	67,357.09	4,401.31
			<i>For Liebert Unit, Add</i>	7,597.18	
23 81	23 00-0010	EA	24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	73,275.45	4,544.84
			<i>For Liebert Unit, Add</i>	8,306.34	
23 81	23 00-0011	EA	30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	79,293.46	5,112.94
			<i>For Liebert Unit, Add</i>	8,961.09	
23 81	23 00-0012		Floor Mounted Chilled Water Type <small>(23 81 23)</small> Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liqitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 00-0020 for chilled water source.		
23 81	23 00-0013	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	18,957.80	1,557.07
			<i>For Liebert Unit, Add</i>	2,110.21	
23 81	23 00-0014	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	20,383.54	1,724.76
			<i>For Liebert Unit, Add</i>	2,260.48	
23 81	23 00-0015	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	25,317.32	2,627.06
			<i>For Liebert Unit, Add</i>	2,726.82	
23 81	23 00-0016	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	26,451.04	2,661.66
			<i>For Liebert Unit, Add</i>	2,862.82	
23 81	23 00-0017	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	27,471.05	2,768.13
			<i>For Liebert Unit, Add</i>	2,970.75	
23 81	23 00-0018	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	28,157.13	3,034.29
			<i>For Liebert Unit, Add</i>	3,013.92	
23 81	23 00-0019	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	29,884.66	3,300.46
			<i>For Liebert Unit, Add</i>	3,186.62	
23 81	23 00-0020		Floor Mounted Water Source <small>(23 81 23)</small> Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liqitect sensors, floor stand. Excludes water source.		
23 81	23 00-0021	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	14,763.79	1,420.26
			<i>For Liebert Unit, Add</i>	1,580.16	
23 81	23 00-0022	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	16,231.82	1,491.27
			<i>For Liebert Unit, Add</i>	1,750.33	
23 81	23 00-0023	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	20,956.35	1,562.29
			<i>For Liebert Unit, Add</i>	2,327.70	
23 81	23 00-0024	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	22,590.83	1,704.32
			<i>For Liebert Unit, Add</i>	2,503.94	
23 81	23 00-0025	EA	10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	24,943.39	1,846.34
			<i>For Liebert Unit, Add</i>	2,771.35	
23 81	23 00-0026	EA	12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	25,939.39	1,988.36
			<i>For Liebert Unit, Add</i>	2,868.60	
23 81	23 00-0027	EA	15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	27,089.80	2,130.40
			<i>For Liebert Unit, Add</i>	2,990.15	
23 81	23 00-0028	EA	20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	27,873.80	2,272.42
			<i>For Liebert Unit, Add</i>	3,063.08	
23 81	23 00-0029	EA	25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	31,908.43	2,698.49
			<i>For Liebert Unit, Add</i>	3,484.45	
23 81	23 00-0030		Floor Mounted Glycol System Type <small>(23 81 23)</small> Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liqitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 00-0020 for water source.		
23 81	23 00-0031	EA	3 Ton Computer Room Air Conditioner, Glycol System Type	27,196.55	1,557.07
			<i>For Liebert Unit, Add</i>	3,140.06	
23 81	23 00-0032	EA	5 Ton Computer Room Air Conditioner, Glycol System Type	29,289.31	1,724.76
			<i>For Liebert Unit, Add</i>	3,373.71	
23 81	23 00-0033	EA	6 Ton Computer Room Air Conditioner, Glycol System Type	44,973.34	1,932.36
			<i>For Liebert Unit, Add</i>	5,299.61	
23 81	23 00-0034	EA	9 Ton Computer Room Air Conditioner, Glycol System Type	46,449.44	2,139.98
			<i>For Liebert Unit, Add</i>	5,449.52	
23 81	23 00-0035	EA	10 Ton Computer Room Air Conditioner, Glycol System Type	49,729.92	2,347.58
			<i>For Liebert Unit, Add</i>	5,824.98	
23 81	23 00-0036	EA	16 Ton Computer Room Air Conditioner, Glycol System Type	59,479.90	2,661.66
			<i>For Liebert Unit, Add</i>	6,989.16	
23 81	23 00-0037	EA	20 Ton Computer Room Air Conditioner, Glycol System Type	65,171.84	2,768.13
			<i>For Liebert Unit, Add</i>	7,683.35	
23 81	23 00-0038	EA	22 Ton Computer Room Air Conditioner, Glycol System Type	67,630.23	3,034.29
			<i>For Liebert Unit, Add</i>	7,948.06	
23 81	23 00-0039	EA	30 Ton Computer Room Air Conditioner, Glycol System Type	82,259.77	3,300.46
			<i>For Liebert Unit, Add</i>	9,733.50	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 81 23 00-0040		Ceiling Mounted Packaged Computer Room Air Conditioner <small>(23 81 23)</small> Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.			
23 81 23 00-0041	EA	1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	11,075.74 1,257.96		675.00
23 81 23 00-0042	EA	1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	12,267.87 1,381.56		810.64
23 81 23 00-0043	EA	2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	14,041.48 1,565.07		1,014.52
23 81 23 00-0044	EA	3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	17,231.03 1,932.08		1,183.59
23 81 23 00-0045	EA	5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	23,257.48 2,666.09		1,286.43
23 81 23 00-0046		Removal And Reinstallation Of Computer Room Unit <small>(23 81 23)</small> Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.			
23 81 23 00-0047	EA	Removal And Reinstallation Of Computer Room Unit, Chilled Water	2,129.33		
23 81 23 00-0048	EA	Removal And Reinstallation Of Computer Room Unit, Direct Expansion	1,774.43		
23 81 26		Split-System Air-Conditioners <small>(23 81)</small>			
23 81 26 00-0001		Split System A/C Unit <small>(23 81 26)</small> See CSI section 22 07 19 00-0485 for insulation, 23 23 16 00-0001 for piping.			
23 81 26 00-0002		Ductless Split System Air Conditioners <small>(23 81 26 00-0001)</small> Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.			
23 81 26 00-0003		Wall Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small>			
23 81 26 00-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,086.31		351.34
23 81 26 00-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,259.56		383.28
23 81 26 00-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,821.06		425.87
23 81 26 00-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,134.05		468.45
23 81 26 00-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,810.98		511.04
23 81 26 00-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,596.32		532.33
23 81 26 00-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,138.91		567.47
23 81 26 00-0011		Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small> Note: Use this section only when matching indoor and outdoor capacity units are not used.			
23 81 26 00-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	900.45		170.35
23 81 26 00-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	951.91		181.00
23 81 26 00-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,004.24		191.64
23 81 26 00-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,134.55		202.29
23 81 26 00-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,213.43		212.93
23 81 26 00-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,478.47		255.52
23 81 26 00-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,741.65		276.82
23 81 26 00-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	4,324.51		298.11
23 81 26 00-0020		Suspended Ceiling Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small> Note: Excludes hangers.			
23 81 26 00-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,148.03		511.04
23 81 26 00-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,273.93		610.05
23 81 26 00-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,648.32		638.80
23 81 26 00-0024		Recessed Ceiling Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small> Note: Excludes hangers.			
23 81 26 00-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,168.11		425.87
23 81 26 00-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,691.91		468.45

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

23 81 26 00-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,125.96	553.62
23 81 26 00-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,931.15	610.05
23 81 26 00-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,476.93	638.80

23 81 26 00-0030 Ductless Split System Accessories (23 81 26 00-0002)

23 81 26 00-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	9.59	1.53
23 81 26 00-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	12.04	1.68
23 81 26 00-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	14.75	1.85
23 81 26 00-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	16.42	2.86
23 81 26 00-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	26.35	3.14
23 81 26 00-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	29.89	3.47
23 81 26 00-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	39.32	5.73
23 81 26 00-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	61.74	6.30
23 81 26 00-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	68.83	6.92
23 81 26 00-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	50.83	6.11
23 81 26 00-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	59.14	6.72
23 81 26 00-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	88.34	7.39
23 81 26 00-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	39.32	5.73
23 81 26 00-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	61.74	6.30
23 81 26 00-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	68.83	6.92
23 81 26 00-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	53.48	9.55
23 81 26 00-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	74.47	10.50
23 81 26 00-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	88.00	11.54
23 81 26 00-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	26.47	1.91
23 81 26 00-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	32.86	5.73
23 81 26 00-0051	EA	4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	50.10	6.30
23 81 26 00-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	30.27	5.73
23 81 26 00-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	39.76	6.30
23 81 26 00-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	42.96	6.92
23 81 26 00-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	125.28	7.64
23 81 26 00-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	141.82	8.40
23 81 26 00-0057	EA	14" Condensing Unit Mounting Blocks With End Caps	104.83	28.63
23 81 26 00-0058	EA	17" Condensing Unit Mounting Blocks With End Caps	114.50	30.53
23 81 26 00-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	146.15	32.44
23 81 26 00-0060	EA	End Cap, Set of 4	12.92	
23 81 26 00-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity	218.82	57.25
23 81 26 00-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity	232.60	61.07
23 81 26 00-0063	LF	5/8" ID Condensate Drain Line	1.90	0.15
23 81 26 00-0064	LF	3/4" ID Condensate Drain Line	1.96	0.15

23 81 26 00-0065 Cased A/C Evaporator Coils (23 81 26 00-0001)

23 81 26 00-0066 Vertical Cased A/C Evaporator Coils <small>(23 81 26 00-0065)</small>				
23 81 26 00-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil	496.26	130.67
23 81 26 00-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil	522.44	140.47
23 81 26 00-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil	602.17	150.28
23 81 26 00-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil	673.47	160.07
23 81 26 00-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil	757.95	166.61
23 81 26 00-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil	831.16	173.14
23 81 26 00-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil	892.99	186.21
23 81 26 00-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil	908.86	196.01

23 81 26 00-0075 "A" Style Horizontal Cased A/C Evaporator Coils (23 81 26 00-0065)

23 81 26 00-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	577.97	133.94
23 81 26 00-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	650.25	141.45
23 81 26 00-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	730.55	150.28
23 81 26 00-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	757.74	155.69
23 81 26 00-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	793.70	163.34
23 81 26 00-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	810.86	171.83
23 81 26 00-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	827.67	180.32

23 81 26 00-0083 Slab Style Horizontal Cased A/C Evaporator Coils (23 81 26 00-0065)

23 81 26 00-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	524.41	133.94
23 81 26 00-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	616.85	150.28
23 81 26 00-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	701.61	163.34
23 81 26 00-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	826.73	180.32

23 81 26 00-0088 Mitsubishi City Multi, Variable Refrigerant Flow (23 81 26 00-0001)

23 81 26 00-0089 Outdoor Units <small>(23 81 26 00-0088)</small>				
23 81 26 00-0090	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	11,234.12	558.95
23 81 26 00-0091	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	12,215.13	665.42
23 81 26 00-0092	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	13,781.12	798.49
23 81 26 00-0093	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	16,873.81	825.11
23 81 26 00-0094	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A)	22,303.54	851.73
23 81 26 00-0095	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A)	23,124.85	878.35
23 81 26 00-0096	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A)	23,946.16	904.96

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 81 26 00-0097	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A).....	25,352.44	958.20
23 81 26 00-0098	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A).....	26,758.72	1,011.43
23 81 26 00-0099	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A).....	29,904.65	1,064.66
23 81 26 00-0100	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A).....	33,050.58	1,117.89
23 81 26 00-0101 Indoor Units (23 81 26 00-0088)				
23 81 26 00-0102	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2).....	1,232.26	173.00
23 81 26 00-0103	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NMMU-E2).....	1,298.26	186.31
23 81 26 00-0104	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NMMU-E2).....	1,357.70	199.62
23 81 26 00-0105	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NMMU-E2).....	1,426.99	212.93
23 81 26 00-0106	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NMMU-E2).....	1,559.35	252.86
23 81 26 00-0107	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NMMU-E2).....	1,755.75	306.09
23 81 26 00-0108	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NMMU-E2).....	1,902.87	332.71
23 81 26 00-0109	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3).....	1,749.36	190.30
23 81 26 00-0110	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3).....	1,814.74	204.95
23 81 26 00-0111	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3).....	1,916.24	219.59
23 81 26 00-0112	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3).....	2,076.81	234.22
23 81 26 00-0113	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3).....	2,210.60	278.14
23 81 26 00-0114	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3).....	2,445.87	336.70
23 81 26 00-0115	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3).....	2,570.34	351.34
23 81 26 00-0116	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3).....	2,707.94	365.98
23 81 26 00-0117	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3).....	3,001.05	402.57
23 81 26 00-0118	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3).....	3,324.46	442.83
23 81 26 00-0119	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3).....	3,603.40	487.12
23 81 26 00-0120	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E).....	4,518.14	535.82
23 81 26 00-0121	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E).....	5,117.66	589.41
23 81 26 00-0122	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E).....	1,990.42	219.59
23 81 26 00-0123	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E).....	2,100.44	234.22
23 81 26 00-0124	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E).....	2,236.20	278.14
23 81 26 00-0125	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E).....	2,522.02	336.70
23 81 26 00-0126	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E).....	2,719.10	365.98
23 81 26 00-0127	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E).....	3,299.74	402.58
23 81 26 00-0128	EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5).....	1,785.47	190.30
23 81 26 00-0129	EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5).....	1,880.39	204.95
23 81 26 00-0130	EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5).....	2,021.28	219.59
23 81 26 00-0131	EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5).....	2,129.32	234.22
23 81 26 00-0132	EA	8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4).....	1,670.32	204.95
23 81 26 00-0133	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4).....	1,758.69	219.59
23 81 26 00-0134	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4).....	1,850.32	234.22
23 81 26 00-0135 Controllers For Outdoor Units (23 81 26 00-0088)				
23 81 26 00-0136	EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1).....	5,997.88	159.69
23 81 26 00-0137	EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1).....	6,937.35	186.31
23 81 26 00-0138	EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA).....	7,670.04	212.93
23 81 26 00-0139	EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA).....	9,095.28	239.55
23 81 26 00-0140	EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB).....	3,354.15	106.47
23 81 26 00-0141	EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB).....	5,164.16	159.69
23 81 26 00-0142	EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB).....	7,890.66	239.55
23 81 26 00-0143 Energy Recovery Units (23 81 26 00-0088)				
23 81 26 00-0144	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMMU-E2-AU).....	4,271.36	159.69
23 81 26 00-0145	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMMU-E-BU).....	8,000.12	159.69
23 81 26 00-0146	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR).....	8,128.84	186.31
23 81 26 00-0147	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E).....	1,743.22	133.09
23 81 26 00-0148	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E).....	2,203.56	138.40
23 81 26 00-0149	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E).....	2,614.65	143.73
23 81 26 00-0150	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1).....	4,707.91	159.69
23 81 26 00-0151 Piping Specialties (23 81 26 00-0088)				
23 81 26 00-0152	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E).....	584.26	
23 81 26 00-0153	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2).....	190.79	46.78
23 81 26 00-0154	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2).....	190.79	46.78
23 81 26 00-0155	EA	Branch Joint (Mitsubishi CMY-Y202S-G2).....	210.08	49.24
23 81 26 00-0156	EA	Branch Joint (Mitsubishi CMY-Y302S-G2).....	258.50	55.40
23 81 26 00-0157	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E).....	343.84	80.02
23 81 26 00-0158	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E).....	602.35	160.03
23 81 26 00-0159	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI).....	101.76	19.70
23 81 26 00-0160	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI).....	118.49	27.08



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

23 81 43 Air-Source Unitary Heat Pumps (23 81)

23 81 43 00-0001 Single Package Thru-Wall Heat Pumps (23 81 43)

Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 V, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel.

23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	1,832.34	173.46
		<i>For Unit Economizer, Add</i>	243.11	
		<i>For >35 To 70, Deduct</i>	-44.91	
		<i>For >70 To 100, Deduct</i>	-74.85	
		<i>For >100, Deduct</i>	-104.79	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	218.57	
23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	2,021.81	185.03
		<i>For Unit Economizer, Add</i>	268.71	
		<i>For >35 To 70, Deduct</i>	-49.90	
		<i>For >70 To 100, Deduct</i>	-83.17	
		<i>For >100, Deduct</i>	-116.43	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	239.32	
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,419.00	185.03
		<i>For Unit Economizer, Add</i>	464.32	
		<i>For >35 To 70, Deduct</i>	-91.82	
		<i>For >70 To 100, Deduct</i>	-153.03	
		<i>For >100, Deduct</i>	-214.24	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	365.07	
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,741.52	185.03
		<i>For Unit Economizer, Add</i>	508.55	
		<i>For >35 To 70, Deduct</i>	-100.80	
		<i>For >70 To 100, Deduct</i>	-168.00	
		<i>For >100, Deduct</i>	-235.19	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	196.20	
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,230.38	196.59
		<i>For Unit Economizer, Add</i>	576.06	
		<i>For >35 To 70, Deduct</i>	-114.77	
		<i>For >70 To 100, Deduct</i>	-191.28	
		<i>For >100, Deduct</i>	-267.79	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	215.95	
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,429.98	208.15
		<i>For Unit Economizer, Add</i>	604.01	
		<i>For >35 To 70, Deduct</i>	-120.76	
		<i>For >70 To 100, Deduct</i>	-201.26	
		<i>For >100, Deduct</i>	-281.77	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	624.47	
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,985.37	208.15
		<i>For Unit Economizer, Add</i>	680.84	
		<i>For >35 To 70, Deduct</i>	-136.73	
		<i>For >70 To 100, Deduct</i>	-227.88	
		<i>For >100, Deduct</i>	-319.03	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	699.44	
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,495.92	219.72
		<i>For Unit Economizer, Add</i>	751.85	
		<i>For >35 To 70, Deduct</i>	-151.69	
		<i>For >70 To 100, Deduct</i>	-252.82	
		<i>For >100, Deduct</i>	-353.95	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	767.20	
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,330.43	254.41
		<i>For Unit Economizer, Add</i>	865.91	
		<i>For >35 To 70, Deduct</i>	-174.65	
		<i>For >70 To 100, Deduct</i>	-291.08	
		<i>For >100, Deduct</i>	-407.51	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	884.01	
23 81 43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	11,557.54	300.66
		<i>For Unit Economizer, Add</i>	1,593.54	
		<i>For >35 To 70, Deduct</i>	-328.34	
		<i>For >70 To 100, Deduct</i>	-547.23	
		<i>For >100, Deduct</i>	-766.13	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,576.03	
23 81 43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	14,879.74	381.61
		<i>For Unit Economizer, Add</i>	2,052.17	
		<i>For >35 To 70, Deduct</i>	-423.15	
		<i>For >70 To 100, Deduct</i>	-705.25	
		<i>For >100, Deduct</i>	-987.35	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	334.74	
23 81 43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	18,154.26	427.87
		<i>For Unit Economizer, Add</i>	2,507.37	
		<i>For >35 To 70, Deduct</i>	-518.96	
		<i>For >70 To 100, Deduct</i>	-864.93	
		<i>For >100, Deduct</i>	-1,210.90	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	386.92	
23 81 43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	22,383.38	485.69
		<i>For Unit Economizer, Add</i>	3,095.28	
		<i>For >35 To 70, Deduct</i>	-642.71	
		<i>For >70 To 100, Deduct</i>	-1,071.18	
		<i>For >100, Deduct</i>	-1,499.65	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	454.19	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0015	EA		20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	29,782.94	520.38
			<i>For Unit Economizer, Add</i>	4,127.98	
			<i>For >35 To 70, Deduct</i>	-862.27	
			<i>For >70 To 100, Deduct</i>	-1,437.11	
			<i>For >100, Deduct</i>	-2,011.95	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	547.61	
23 81 43 00-0016	EA		25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	35,863.40	566.63
			<i>For Unit Economizer, Add</i>	4,975.55	
			<i>For >35 To 70, Deduct</i>	-1,041.90	
			<i>For >70 To 100, Deduct</i>	-1,736.51	
			<i>For >100, Deduct</i>	-2,431.11	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	630.62	
23 81 43 00-0017			Single Package Vertical Wall Heat Pumps <small>(23 81 43)</small>		
			Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel.		
23 81 43 00-0018	EA		1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	2,811.42	231.28
23 81 43 00-0019	EA		1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	3,400.25	254.41
23 81 43 00-0020	EA		1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,378.82	265.97
23 81 43 00-0021	EA		2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	5,015.94	289.10
23 81 43 00-0022	EA		2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,265.03	335.35
23 81 43 00-0023	EA		3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	6,697.98	381.61
23 81 43 00-0024	EA		3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	7,279.77	427.87
23 81 43 00-0025	EA		4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	8,189.42	474.12
23 81 43 00-0026	EA		5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	9,241.89	566.63
23 81 43 00-0027			Heat Pump, Room Air-Conditioners <small>(23 81 43)</small>		
			Note: Includes throwaway filters and supplemental heat.		
23 81 43 00-0028			Heat Pump, Window Unit, Room Air-Conditioners <small>(23 81 43 00-0027)</small>		
23 81 43 00-0029			Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) <small>(23 81 43 00-0028)</small>		
23 81 43 00-0030	EA		10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C).....	1,472.58	111.79
			<i>For >10 To 50, Deduct</i>	-62.45	
			<i>For >50 To 75, Deduct</i>	-87.43	
			<i>For >75 To 100, Deduct</i>	-124.90	
			<i>For >100, Deduct</i>	-149.88	
23 81 43 00-0031	EA		12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C).....	1,652.58	111.79
			<i>For >10 To 50, Deduct</i>	-71.45	
			<i>For >50 To 75, Deduct</i>	-100.03	
			<i>For >75 To 100, Deduct</i>	-142.90	
			<i>For >100, Deduct</i>	-171.48	
23 81 43 00-0032	EA		18,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YM18N34C).....	1,872.58	111.79
			<i>For >10 To 50, Deduct</i>	-82.45	
			<i>For >50 To 75, Deduct</i>	-115.43	
			<i>For >75 To 100, Deduct</i>	-164.90	
			<i>For >100, Deduct</i>	-197.88	
23 81 43 00-0033	EA		24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D).....	2,222.58	111.79
			<i>For >10 To 50, Deduct</i>	-99.95	
			<i>For >50 To 75, Deduct</i>	-139.93	
			<i>For >75 To 100, Deduct</i>	-199.90	
			<i>For >100, Deduct</i>	-239.88	
23 81 43 00-0034			Heat Pump, Through-The-Wall, Room Air-Conditioners <small>(23 81 43 00-0027)</small>		
			Note: Base unit excludes wall sleeve.		
23 81 43 00-0035			Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 43 00-0034)</small>		
23 81 43 00-0036	EA		9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D).....	1,458.69	79.85
			<i>For >10 To 50, Deduct</i>	-64.95	
			<i>For >50 To 75, Deduct</i>	-90.93	
			<i>For >75 To 100, Deduct</i>	-129.90	
			<i>For >100, Deduct</i>	-155.88	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	230.69	
23 81 43 00-0037	EA		11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A).....	1,458.69	79.85
			<i>For >10 To 50, Deduct</i>	-64.95	
			<i>For >50 To 75, Deduct</i>	-90.93	
			<i>For >75 To 100, Deduct</i>	-129.90	
			<i>For >100, Deduct</i>	-155.88	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	230.69	
23 81 46			Water-Source Unitary Heat Pumps <small>(23 81)</small>		
23 81 46 00-0001			Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps <small>(23 81 46)</small>		
			Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.		
23 81 46 00-0002	EA		7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,168.26	261.34
23 81 46 00-0003	EA		9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,228.71	261.34
23 81 46 00-0004	EA		12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,561.73	287.48
23 81 46 00-0005	EA		19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,709.38	313.61



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

23 81 46 00-0006	EA		24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,909.41	339.75
23 81 46 00-0007	EA		30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,391.53	365.89
23 81 46 00-0008	EA		36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,484.10	392.02
23 81 46 00-0009	EA		42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,791.61	418.15
23 81 46 00-0010	EA		48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,045.37	444.28
23 81 46 00-0011	EA		60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,131.22	470.42

23 81 49 Split System Heat Pumps (23 81)

23 81 49 00-0001 Air Cooled, Outdoor Section (23 81 49)

23 81 49 00-0002	EA		1.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,629.39	343.45
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.					
For Low Ambient Protection, 0 Degree F, Add				658.63	
For Winterstart Control, Add				176.40	
For 16 SEER, Add				901.61	
For 18 SEER, Add				1,367.96	
23 81 49 00-0003	EA		2 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,747.80	381.61
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.					
For Low Ambient Protection, 0 Degree F, Add				683.38	
For Winterstart Control, Add				184.60	
For 16 SEER, Add				919.18	
For 18 SEER, Add				1,394.62	
23 81 49 00-0004	EA		2.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,099.39	442.90
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.					
For Low Ambient Protection, 0 Degree F, Add				750.55	
For Winterstart Control, Add				204.22	
For 16 SEER, Add				994.32	
For 18 SEER, Add				1,508.62	
23 81 49 00-0005	EA		3 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,479.63	508.81
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.					
For Low Ambient Protection, 0 Degree F, Add				637.78	
For Winterstart Control, Add				225.44	
For 16 SEER, Add				1,075.51	
For 18 SEER, Add				1,631.81	
23 81 49 00-0006	EA		3.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,622.05	528.47
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.					
For Low Ambient Protection, 0 Degree F, Add				658.72	
For Winterstart Control, Add				232.92	
For 16 SEER, Add				1,108.23	
For 18 SEER, Add				1,681.46	
23 81 49 00-0007	EA		4 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,131.74	607.11
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.					
For Low Ambient Protection, 0 Degree F, Add				728.56	
For Winterstart Control, Add				257.31	
For 16 SEER, Add				1,236.69	
For 18 SEER, Add				1,876.35	
23 81 49 00-0008	EA		5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,839.03	667.82
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.					
For Low Ambient Protection, 0 Degree F, Add				482.76	
For Winterstart Control, Add				144.25	
For 16 SEER, Add				1,416.65	
For 18 SEER, Add				2,149.40	
23 81 49 00-0009	EA		7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit.....	6,212.95	745.27
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.					
For Low Ambient Protection, 0 Degree F, Add				523.58	
For Winterstart Control, Add				157.95	
23 81 49 00-0010	EA		10 Ton, 11.1 EER, Outdoor Heat Pump Unit.....	8,567.89	894.31
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.					
For Low Ambient Protection, 0 Degree F, Add				400.51	
For Winterstart Control, Add				200.85	
23 81 49 00-0011	EA		15 Ton, 10.9 EER, Outdoor Heat Pump Unit.....	11,242.68	1,043.37
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.					
For Low Ambient Protection, 0 Degree F, Add				452.34	
For Winterstart Control, Add				246.25	
23 81 49 00-0012	EA		20 Ton, 10.3 EER, Outdoor Heat Pump Unit.....	15,445.84	1,117.89
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.					
For Low Ambient Protection, 0 Degree F, Add				479.77	
For Winterstart Control, Add				298.16	

23 81 49 00-0013 Indoor Section, Horizontal Upflow (23 81 49)

Note: Electric heat. Includes throwaway filters.					
23 81 49 00-0014	EA		2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat.....	1,080.90	113.92
For Additional 5 KW Electric Heat, Add				96.64	
23 81 49 00-0015	EA		2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat.....	1,196.07	141.92
For Additional 5 KW Electric Heat, Add				105.41	
23 81 49 00-0016	EA		3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat.....	1,255.60	171.41
For Additional 5 KW Electric Heat, Add				108.39	
23 81 49 00-0017	EA		3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat.....	1,683.54	200.69
For Additional 5 KW Electric Heat, Add				148.27	
23 81 49 00-0018	EA		4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat.....	1,734.83	226.24
For Additional 5 KW Electric Heat, Add				150.83	
23 81 49 00-0019	EA		5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat.....	1,926.75	259.78
For Additional 5 KW Electric Heat, Add				166.71	
23 81 49 00-0020	EA		7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat.....	4,074.42	425.87
For Additional 5 KW Electric Heat, Add				364.86	
23 81 49 00-0021	EA		10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat.....	5,964.18	479.09
For Additional 5 KW Electric Heat, Add				548.51	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 81 49 00-0022	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	8,326.83	532.33	
23 81 49 00-0023	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	9,473.78 883.49	638.80	
23 81 49 00-0024		Ductless Split System Heat Pumps <small>(23 81 49)</small> Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 00-0030 for accessories.			
23 81 49 00-0025		Wall Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small>			
23 81 49 00-0026	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,257.70	351.34	
23 81 49 00-0027	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,494.35	383.28	
23 81 49 00-0028	EA	17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,040.43	425.87	
23 81 49 00-0029	EA	24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,498.24	468.45	
23 81 49 00-0030	EA	25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,947.51	511.04	
23 81 49 00-0031	EA	29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,726.57	532.33	
23 81 49 00-0032	EA	31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,280.30	567.47	
23 81 49 00-0033		Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small> Note: Use this section only when matching indoor and outdoor capacity units are not used.			
23 81 49 00-0034	EA	7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	938.16	170.35	
23 81 49 00-0035	EA	9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	990.48	181.00	
23 81 49 00-0036	EA	11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,043.66	191.64	
23 81 49 00-0037	EA	17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,186.82	202.29	
23 81 49 00-0038	EA	24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,264.85	212.93	
23 81 49 00-0039	EA	19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	2,795.54	255.52	
23 81 49 00-0040	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,311.51	276.82	
23 81 49 00-0041	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	5,358.83	298.11	
23 81 49 00-0042		Suspended Ceiling Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small> Note: Excludes hangers.			
23 81 49 00-0043	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,285.14	511.04	
23 81 49 00-0044	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,415.32	610.05	
23 81 49 00-0045	EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,734.01	638.80	
23 81 49 00-0046		Recessed Ceiling Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small> Note: Excludes hangers.			
23 81 49 00-0047	EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,510.88	425.87	
23 81 49 00-0048	EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,980.69	468.45	
23 81 49 00-0049	EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,263.07	553.62	
23 81 49 00-0050	EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,072.55	610.05	
23 81 49 00-0051	EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,562.63	638.80	
23 82 Convection Heating And Cooling Units <small>(23 80)</small>					
23 82 16 Air Coils <small>(23 82)</small>					
23 82 16 00-0001		Chilled Water Cooling Coils <small>(23 82 16)</small> Note: Flanged construction, 16 gauge galvanized steel casing.			
23 82 16 00-0002		2 Row Chilled Water Cooling Coils <small>(23 82 16 00-0001)</small>			
23 82 16 00-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	669.50	65.34	
23 82 16 00-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,070.63	88.85	
23 82 16 00-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,483.35	139.82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0006 EA 24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,862.67	199.93
23 82 16 00-0007 EA 30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,049.99	245.66
23 82 16 00-0008 EA 30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,341.24	297.93
23 82 16 00-0009 EA 30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,565.88	344.97
23 82 16 00-0010 EA 30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,839.22	609.46
23 82 16 00-0011 EA 34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,547.39	231.68
23 82 16 00-0012 EA 34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,127.54	394.50
23 82 16 00-0013 EA 34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,403.14	490.02
23 82 16 00-0014 EA 34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,767.27	591.82
23 82 16 00-0015 EA 34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,084.29	689.16
23 82 16 00-0016 4 Row Chilled Water Cooling Coils (23 82 16 00-0001)		
23 82 16 00-0017 EA 12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	851.41	135.90
23 82 16 00-0018 EA 12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,336.06	196.01
23 82 16 00-0019 EA 24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,908.25	326.68
23 82 16 00-0020 EA 24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,454.51	484.79
23 82 16 00-0021 EA 30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,886.86	594.56
23 82 16 00-0022 EA 30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,459.74	726.54
23 82 16 00-0023 EA 30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,943.19	871.58
23 82 16 00-0024 EA 30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,087.71	1,014.54
23 82 16 00-0025 EA 34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,285.04	437.89
23 82 16 00-0026 EA 34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,057.26	658.59
23 82 16 00-0027 EA 34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,466.94	816.70
23 82 16 00-0028 EA 34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,026.70	983.96
23 82 16 00-0029 EA 34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,518.21	1,150.31
23 82 16 00-0030 6 Row Chilled Water Cooling Coils (23 82 16 00-0001)		
23 82 16 00-0031 EA 12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,174.04	172.49
23 82 16 00-0032 EA 12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,458.44	256.12
23 82 16 00-0033 EA 24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,106.74	436.45
23 82 16 00-0034 EA 24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,947.74	653.36
23 82 16 00-0035 EA 30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,814.99	816.70
23 82 16 00-0036 EA 30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,442.90	1,004.88
23 82 16 00-0037 EA 30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,194.54	1,187.81
23 82 16 00-0038 EA 30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,302.19	1,384.21
23 82 16 00-0039 EA 34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,931.06	598.35
23 82 16 00-0040 EA 34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,936.47	897.46
23 82 16 00-0041 EA 34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,595.63	1,123.78
23 82 16 00-0042 EA 34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,233.67	1,349.98
23 82 16 00-0043 EA 34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,870.55	1,570.55
23 82 16 00-0044 8 Row Chilled Water Cooling Coils (23 82 16 00-0001)		
23 82 16 00-0045 EA 12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,457.36	207.77
23 82 16 00-0046 EA 12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,873.01	318.84
23 82 16 00-0047 EA 24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,922.09	568.43

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0048	EA		24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,039.72	871.58
23 82 16 00-0049	EA		30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,909.69	1,089.80
23 82 16 00-0050	EA		30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,760.33	1,306.73
23 82 16 00-0051	EA		30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,552.67	1,451.77
23 82 16 00-0052	EA		30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,218.27	1,683.97
23 82 16 00-0053	EA		34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,409.63	729.15
23 82 16 00-0054	EA		34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,601.70	1,096.21
23 82 16 00-0055	EA		34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,370.21	1,365.53
23 82 16 00-0056	EA		34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,117.36	1,633.41
23 82 16 00-0057	EA		34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,913.90	1,921.67
23 82 16 00-0058			Direct Expansion Cooling Coils (23 82 16) Note: Flanged construction 16 gauge galvanized steel casing.		
23 82 16 00-0059			2 Row Direct Expansion Cooling Coils (23 82 16 00-0058)		
23 82 16 00-0060	EA		12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	586.48	98.01
			For 10 Fins Per Inch, Add	7.80	
			For 12 Fins Per Inch, Add	19.50	
23 82 16 00-0061	EA		12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,049.39	134.59
			For 10 Fins Per Inch, Add	15.60	
			For 12 Fins Per Inch, Add	39.00	
23 82 16 00-0062	EA		24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,483.35	211.69
			For 10 Fins Per Inch, Add	21.24	
			For 12 Fins Per Inch, Add	53.09	
23 82 16 00-0063	EA		24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,862.67	304.46
			For 10 Fins Per Inch, Add	25.10	
			For 12 Fins Per Inch, Add	62.74	
23 82 16 00-0064	EA		30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,194.65	372.41
			For 10 Fins Per Inch, Add	28.96	
			For 12 Fins Per Inch, Add	72.40	
23 82 16 00-0065	EA		30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,503.58	450.82
			For 10 Fins Per Inch, Add	32.05	
			For 12 Fins Per Inch, Add	80.12	
23 82 16 00-0066	EA		30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,879.46	522.69
			For 10 Fins Per Inch, Add	36.68	
			For 12 Fins Per Inch, Add	91.70	
23 82 16 00-0067	EA		30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,543.74	609.46
			For 10 Fins Per Inch, Add	46.50	
			For 12 Fins Per Inch, Add	116.24	
23 82 16 00-0068	EA		34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,357.16	231.68
			For 10 Fins Per Inch, Add	17.88	
			For 12 Fins Per Inch, Add	44.69	
23 82 16 00-0069	EA		34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,892.65	394.50
			For 10 Fins Per Inch, Add	22.07	
			For 12 Fins Per Inch, Add	55.18	
23 82 16 00-0070	EA		34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,489.36	591.82
			For 10 Fins Per Inch, Add	26.11	
			For 12 Fins Per Inch, Add	65.29	
23 82 16 00-0071	EA		34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,784.88	689.16
			For 10 Fins Per Inch, Add	28.13	
			For 12 Fins Per Inch, Add	70.32	
23 82 16 00-0072			4 Row Direct Expansion Cooling Coils (23 82 16 00-0058)		
23 82 16 00-0073	EA		12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	934.43	135.90
			For 10 Fins Per Inch, Add	13.24	
			For 12 Fins Per Inch, Add	33.11	
23 82 16 00-0074	EA		12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,336.06	196.01
			For 10 Fins Per Inch, Add	18.92	
			For 12 Fins Per Inch, Add	47.30	
23 82 16 00-0075	EA		24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,908.25	326.68
			For 10 Fins Per Inch, Add	25.10	
			For 12 Fins Per Inch, Add	62.74	
23 82 16 00-0076	EA		24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,454.51	484.79
			For 10 Fins Per Inch, Add	29.73	
			For 12 Fins Per Inch, Add	74.33	
23 82 16 00-0077	EA		30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,886.86	594.56
			For 10 Fins Per Inch, Add	33.98	
			For 12 Fins Per Inch, Add	84.95	
23 82 16 00-0078	EA		30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,459.74	726.54
			For 10 Fins Per Inch, Add	40.16	
			For 12 Fins Per Inch, Add	100.39	
23 82 16 00-0079	EA		30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,943.19	871.58
			For 10 Fins Per Inch, Add	44.02	
			For 12 Fins Per Inch, Add	110.04	
23 82 16 00-0080	EA		30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,087.71	1,014.54
			For 10 Fins Per Inch, Add	41.17	
			For 12 Fins Per Inch, Add	102.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0081	EA		34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,285.04	437.89
			For 10 Fins Per Inch, Add	28.18	
			For 12 Fins Per Inch, Add	70.46	
23 82 16 00-0082	EA		34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,057.26	658.59
			For 10 Fins Per Inch, Add	34.80	
			For 12 Fins Per Inch, Add	87.00	
23 82 16 00-0083	EA		34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,852.41	1,158.41
			For 10 Fins Per Inch, Add	50.71	
			For 12 Fins Per Inch, Add	126.78	
23 82 16 00-0084	EA		34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,589.71	1,349.98
			For 10 Fins Per Inch, Add	57.80	
			For 12 Fins Per Inch, Add	144.49	
23 82 16 00-0085 6 Row Direct Expansion Cooling Coils (23 82 16 00-0085)					
23 82 16 00-0086	EA		12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,193.35	171.18
			For 10 Fins Per Inch, Add	16.99	
			For 12 Fins Per Inch, Add	42.47	
23 82 16 00-0087	EA		12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,458.44	256.12
			For 10 Fins Per Inch, Add	18.92	
			For 12 Fins Per Inch, Add	47.30	
23 82 16 00-0088	EA		24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,203.27	436.45
			For 10 Fins Per Inch, Add	26.64	
			For 12 Fins Per Inch, Add	66.61	
23 82 16 00-0089	EA		24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,947.74	653.36
			For 10 Fins Per Inch, Add	32.82	
			For 12 Fins Per Inch, Add	82.05	
23 82 16 00-0090	EA		30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,814.99	816.70
			For 10 Fins Per Inch, Add	43.63	
			For 12 Fins Per Inch, Add	109.08	
23 82 16 00-0091	EA		30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,442.90	1,004.88
			For 10 Fins Per Inch, Add	48.65	
			For 12 Fins Per Inch, Add	121.63	
23 82 16 00-0092	EA		30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,194.54	1,187.81
			For 10 Fins Per Inch, Add	56.37	
			For 12 Fins Per Inch, Add	140.93	
23 82 16 00-0093	EA		30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,302.19	1,384.21
			For 10 Fins Per Inch, Add	50.67	
			For 12 Fins Per Inch, Add	126.69	
23 82 16 00-0094	EA		34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,931.06	598.35
			For 10 Fins Per Inch, Add	34.69	
			For 12 Fins Per Inch, Add	86.72	
23 82 16 00-0095	EA		34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,936.47	897.46
			For 10 Fins Per Inch, Add	42.83	
			For 12 Fins Per Inch, Add	107.08	
23 82 16 00-0096	EA		34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,211.53	1,338.87
			For 10 Fins Per Inch, Add	50.68	
			For 12 Fins Per Inch, Add	126.69	
23 82 16 00-0097	EA		34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,870.55	1,570.55
			For 10 Fins Per Inch, Add	54.59	
			For 12 Fins Per Inch, Add	136.47	
23 82 16 00-0098 8 Row Direct Expansion Cooling Coils (23 82 16 00-0098)					
23 82 16 00-0099	EA		12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,476.66	206.46
			For 10 Fins Per Inch, Add	21.24	
			For 12 Fins Per Inch, Add	53.09	
23 82 16 00-0100	EA		12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,873.01	318.84
			For 10 Fins Per Inch, Add	24.71	
			For 12 Fins Per Inch, Add	61.78	
23 82 16 00-0101	EA		24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,922.09	568.43
			For 10 Fins Per Inch, Add	35.72	
			For 12 Fins Per Inch, Add	89.29	
23 82 16 00-0102	EA		24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,039.72	871.58
			For 10 Fins Per Inch, Add	45.95	
			For 12 Fins Per Inch, Add	114.87	
23 82 16 00-0103	EA		30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,909.69	1,089.80
			For 10 Fins Per Inch, Add	54.64	
			For 12 Fins Per Inch, Add	136.59	
23 82 16 00-0104	EA		30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,760.33	1,306.73
			For 10 Fins Per Inch, Add	62.94	
			For 12 Fins Per Inch, Add	157.34	
23 82 16 00-0105	EA		30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,552.67	1,451.77
			For 10 Fins Per Inch, Add	72.98	
			For 12 Fins Per Inch, Add	182.44	
23 82 16 00-0106	EA		30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,218.27	1,683.97
			For 10 Fins Per Inch, Add	57.01	
			For 12 Fins Per Inch, Add	142.52	
23 82 16 00-0107	EA		34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,409.63	729.15
			For 10 Fins Per Inch, Add	39.02	
			For 12 Fins Per Inch, Add	97.56	
23 82 16 00-0108	EA		34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,601.70	1,096.21
			For 10 Fins Per Inch, Add	48.18	
			For 12 Fins Per Inch, Add	120.46	
23 82 16 00-0109	EA		34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,150.35	1,649.87
			For 10 Fins Per Inch, Add	57.01	
			For 12 Fins Per Inch, Add	142.53	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating And Cooling Units



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 82 16 00-0110	EA 34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	6,913.90 61.41 153.53	1,921.67
23 82 16 00-0111 Hot Water Heating Coils (23 82 16)			
Note: Flanged construction.			
23 82 16 00-0112 1 Row Hot Water Heating Coils (23 82 16 00-0111)			
23 82 16 00-0113	EA 12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	777.90 8.49 21.24 190.90	176.40
23 82 16 00-0114	EA 12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,107.00 13.13 32.82 266.46	226.06
23 82 16 00-0115	EA 24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,394.49 15.44 38.61 341.12	311.00
23 82 16 00-0116	EA 24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,739.92 17.38 43.44 435.10	436.45
23 82 16 00-0117	EA 30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,010.68 19.31 48.27 506.67	522.69
23 82 16 00-0118	EA 30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,407.17 22.01 55.02 612.11	653.36
23 82 16 00-0119	EA 30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,687.50 24.71 61.78 682.69	725.23
23 82 16 00-0120	EA 30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	3,258.81 31.32 78.31 821.03	843.23
23 82 16 00-0121	EA 34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,407.02 13.52 33.81 354.49	365.36
23 82 16 00-0122	EA 34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,110.52 20.29 50.71 531.73	548.17
23 82 16 00-0123	EA 34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	3,179.71 30.43 76.07 801.77	829.11
23 82 16 00-0124	EA 34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	3,696.63 35.50 88.75 931.49	960.83
23 82 16 00-0125	SF >15 SF Hot Water Heating Coil, 1 Row, Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	174.44 1.55 3.89 44.56	48.34
23 82 16 00-0126 2 Row Hot Water Heating Coils (23 82 16 00-0111)			
23 82 16 00-0127	EA 12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,169.21 14.67 36.68 277.40	218.22
23 82 16 00-0128	EA 12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,333.71 15.06 37.65 324.82	290.09
23 82 16 00-0129	EA 24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,855.76 19.69 49.23 458.27	436.45
23 82 16 00-0130	EA 24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,364.25 22.40 55.99 597.30	622.00
23 82 16 00-0131	EA 30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,792.21 25.10 62.74 712.17	768.35
23 82 16 00-0132	EA 30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	3,121.64 25.10 62.74 811.00	933.00

Heating, Ventilating, And Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Convection Heating And Cooling Units	23 82

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

23 82 16 00-0133	EA 30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,567.92	1,089.80	
	For 10 Fins Per Inch, Add	27.80		
	For 12 Fins Per Inch, Add	69.50		
	For 230 PSIG Heavy Duty, Add	931.37		
23 82 16 00-0134	EA 30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,294.35	1,266.22	
	For 10 Fins Per Inch, Add	35.24		
	For 12 Fins Per Inch, Add	88.10		
	For 230 PSIG Heavy Duty, Add	1,112.11		
23 82 16 00-0135	EA 34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,853.28	546.34	
	For 10 Fins Per Inch, Add	15.21		
	For 12 Fins Per Inch, Add	38.04		
	For 230 PSIG Heavy Duty, Add	479.91		
23 82 16 00-0136	EA 34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,782.68	820.76	
	For 10 Fins Per Inch, Add	22.82		
	For 12 Fins Per Inch, Add	57.05		
	For 230 PSIG Heavy Duty, Add	720.70		
23 82 16 00-0137	EA 34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,186.45	1,237.47	
	For 10 Fins Per Inch, Add	34.23		
	For 12 Fins Per Inch, Add	85.58		
	For 230 PSIG Heavy Duty, Add	1,084.78		
23 82 16 00-0138	EA 34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,887.86	1,445.49	
	For 10 Fins Per Inch, Add	39.94		
	For 12 Fins Per Inch, Add	99.84		
	For 230 PSIG Heavy Duty, Add	1,266.67		

23 82 16 00-0139 Steam Heating Coils (23 82 16)
 Note: Flanged construction.

23 82 16 00-0140	EA 12" x 12" Steam Heating Coils, 1 Row Flanged Construction.....	784.82	122.84	
	For 2 Row Coil, Add	284.30		
	For 4 Row Coil, Add	732.88		
23 82 16 00-0141	EA 12" x 24" Steam Heating Coils, 1 Row Flanged Construction.....	918.59	169.87	
	For 2 Row Coil, Add	343.46		
	For 4 Row Coil, Add	880.82		
23 82 16 00-0142	EA 24" x 30" Steam Heating Coils, 1 Row Flanged Construction.....	1,322.10	304.46	
	For 2 Row Coil, Add	518.19		
	For 4 Row Coil, Add	1,319.03		
23 82 16 00-0143	EA 24" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	1,739.92	436.45	
	For 2 Row Coil, Add	696.21		
	For 4 Row Coil, Add	1,766.53		
23 82 16 00-0144	EA 30" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	1,991.38	522.69	
	For 2 Row Coil, Add	806.49		
	For 4 Row Coil, Add	2,042.62		
23 82 16 00-0145	EA 30" x 60" Steam Heating Coils, 1 Row Flanged Construction.....	2,329.95	653.36	
	For 2 Row Coil, Add	960.33		
	For 4 Row Coil, Add	2,425.85		
23 82 16 00-0146	EA 30" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	2,571.66	725.23	
	For 2 Row Coil, Add	1,061.88		
	For 4 Row Coil, Add	2,681.65		
23 82 16 00-0147	EA 30" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	3,111.98	846.36	
	For 2 Row Coil, Add	1,272.12		
	For 4 Row Coil, Add	3,217.42		
23 82 16 00-0148	EA 34" x 32" Steam Heating Coils, 1 Row Flanged Construction.....	1,343.62	365.36	
	For 2 Row Coil, Add	549.25		
	For 4 Row Coil, Add	1,389.15		
23 82 16 00-0149	EA 34" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	2,015.43	548.17	
	For 2 Row Coil, Add	823.88		
	For 4 Row Coil, Add	2,083.73		
23 82 16 00-0150	EA 34" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	3,020.40	820.76	
	For 2 Row Coil, Add	1,234.44		
	For 4 Row Coil, Add	3,122.22		
23 82 16 00-0151	EA 34" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	3,530.23	960.83	
	For 2 Row Coil, Add	1,443.40		
	For 4 Row Coil, Add	3,650.49		

23 82 16 00-0152 Hot Water Preheat Coils For Multi-Zone Air Handling Units (23 82 16)
 Note: 2 Row coils. Coils are sized by air handling unit capacity.

23 82 16 00-0153	EA 3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	935.10	165.96	
23 82 16 00-0154	EA 4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,135.88	164.65	
23 82 16 00-0155	EA 5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,359.02	176.40	
23 82 16 00-0156	EA 6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,562.00	192.08	
23 82 16 00-0157	EA 7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,579.74	201.23	
23 82 16 00-0158	EA 9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,869.47	211.69	
23 82 16 00-0159	EA 11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,961.74	237.83	
23 82 16 00-0160	EA 13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,174.37	266.57	
23 82 16 00-0161	EA 16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,471.50	318.84	
23 82 16 00-0162	EA 19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,677.95	334.52	
23 82 16 00-0163	EA 22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,331.96	354.12	
23 82 16 00-0164	EA 27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,288.58	484.79	
23 82 16 00-0165	EA 34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,369.62	594.56	
23 82 16 00-0166	EA 40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	6,162.47	622.00	
23 82 16 00-0167	EA 47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	7,234.07	725.23	

23 82 16 00-0168 Standard Electric Slip-In Blast Coil Heater (23 82 16)

23 82 16 00-0169 Electric Slip-In Blast Coil Heater With Open Coil Element (23 82 16 00-0168)

23 82 16 00-0170	EA 1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	298.69	81.98	
------------------	--	--------	-------	--

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating And Cooling Units

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 82 16 00-0171	EA	1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	312.34	88.37
23 82 16 00-0172	EA	2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	328.46	96.89
23 82 16 00-0173	EA	3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	333.89	100.08
23 82 16 00-0174	EA	4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	347.82	106.47
23 82 16 00-0175	EA	5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	363.85	114.98
23 82 16 00-0176	EA	6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	414.83	128.82
23 82 16 00-0177	EA	7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	427.83	135.22
23 82 16 00-0178	EA	8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	438.46	139.47
23 82 16 00-0179	EA	9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	454.03	147.98
23 82 16 00-0180	EA	10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	490.70	156.51
23 82 16 00-0181	EA	12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	521.00	171.41
23 82 16 00-0182	EA	15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	551.12	186.31
23 82 16 00-0183	EA	20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	580.70	201.22
23 82 16 00-0184	EA	30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	723.19	281.07
23 82 16 00-0185	EA	40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,112.38	299.17
23 82 16 00-0186	EA	50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,235.11	342.82
23 82 16 00-0187	EA	60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,437.17	380.09
23 82 16 00-0188	EA	70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,520.98	413.09
23 82 16 00-0189	EA	80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,666.93	453.55
23 82 16 00-0190	EA	90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,984.09	484.42
23 82 16 00-0191	EA	100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,169.24	520.62
23 82 16 00-0192	EA	125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,572.32	562.14
23 82 16 00-0193	EA	150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,877.64	611.11

23 82 16 00-0194 Electric Slip-In Blast Coil Heater With Finned Tubular Element (23 82 16 00-0168)

23 82 16 00-0195	EA	1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	656.46	117.11
23 82 16 00-0196	EA	2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	689.10	127.76
23 82 16 00-0197	EA	3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	702.86	127.76
23 82 16 00-0198	EA	4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	738.74	140.53
23 82 16 00-0199	EA	5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	968.61	140.53
23 82 16 00-0200	EA	6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	990.64	140.53
23 82 16 00-0201	EA	8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,014.31	156.51
23 82 16 00-0202	EA	9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,043.87	175.67
23 82 16 00-0203	EA	10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,056.25	175.67
23 82 16 00-0204	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,225.05	201.22
23 82 16 00-0205	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,439.78	201.22
23 82 16 00-0206	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,577.19	234.22
23 82 16 00-0207	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,085.11	234.22

23 82 19 Fan Coil Units (23 82)

23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units (23 82 19)

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.

23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)

23 82 19 00-0003	EA	200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,807.77	211.69
		For 2-Way Valve Instead Of 3-Way, Deduct	-56.08	
23 82 19 00-0004	EA	300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,996.88	246.97
		For 2-Way Valve Instead Of 3-Way, Deduct	-59.66	
23 82 19 00-0005	EA	400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,213.53	278.34
		For 2-Way Valve Instead Of 3-Way, Deduct	-62.80	
23 82 19 00-0006	EA	600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,566.12	318.84
		For 2-Way Valve Instead Of 3-Way, Deduct	-66.87	
23 82 19 00-0007	EA	800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,870.04	334.52
		For 2-Way Valve Instead Of 3-Way, Deduct	-115.26	
23 82 19 00-0008	EA	1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,870.61	354.12
		For 2-Way Valve Instead Of 3-Way, Deduct	-117.98	
23 82 19 00-0009	EA	1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,686.34	384.18
		For 2-Way Valve Instead Of 3-Way, Deduct	-122.65	

23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0001)

23 82 19 00-0011	EA	200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,031.77	211.69
		For 2-Way Valve Instead Of 3-Way, Deduct	-56.08	
23 82 19 00-0012	EA	300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,252.53	246.97
		For 2-Way Valve Instead Of 3-Way, Deduct	-59.66	
23 82 19 00-0013	EA	400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,481.22	278.34
		For 2-Way Valve Instead Of 3-Way, Deduct	-62.80	
23 82 19 00-0014	EA	600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,746.93	318.84
		For 2-Way Valve Instead Of 3-Way, Deduct	-66.87	
23 82 19 00-0015	EA	800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,080.99	335.83
		For 2-Way Valve Instead Of 3-Way, Deduct	-115.26	
23 82 19 00-0016	EA	1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,171.97	354.12
		For 2-Way Valve Instead Of 3-Way, Deduct	-117.98	
23 82 19 00-0017	EA	1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	5,258.92	384.18
		For 2-Way Valve Instead Of 3-Way, Deduct	-122.65	

23 82 19 00-0018 Floor Mounted Vertical Fan Coil Units (23 82 19)

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0019 Vertical Fan Coil Units With Electric Heating Coil (23 82 19 00-0018)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0020 EA 200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	1,747.50 -219.97 139.30 -56.08	210.38
23 82 19 00-0021 EA 300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	1,999.90 -250.68 153.62 -59.66	246.97
23 82 19 00-0022 EA 400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,364.21 -299.03 166.21 -62.80	278.34
23 82 19 00-0023 EA 600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,716.80 -343.78 182.48 -66.87	318.84
23 82 19 00-0024 EA 800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,050.86 -390.62 189.02 -115.26	335.83
23 82 19 00-0025 EA 1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,870.61 -509.96 196.27 -117.98	354.12
23 82 19 00-0026 EA 1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	4,535.66 -603.48 208.73 -122.65	384.18
23 82 19 00-0027 Vertical Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0018)		
23 82 19 00-0028 EA 200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	1,928.32 -247.10 139.30 -56.08	210.38
23 82 19 00-0029 EA 300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,180.71 -277.80 153.62 -59.66	246.97
23 82 19 00-0030 EA 400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,665.56 -344.23 166.21 -62.80	278.34
23 82 19 00-0031 EA 600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,048.29 -393.50 182.48 -66.87	318.84
23 82 19 00-0032 EA 800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,382.35 -440.34 189.02 -115.26	335.83
23 82 19 00-0033 EA 1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	4,021.29 -532.56 196.27 -117.98	354.12
23 82 19 00-0034 EA 1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	4,686.34 -626.08 208.73 -122.65	384.18
23 82 19 00-0035 Removal And Reinstallation Of Fan Coil Units (23 82 19) Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0036 EA Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical	555.58	
23 82 29 Radiators (23 82)		
23 82 29 00-0001 Demolish Cast Iron Radiators (23 82 29)		
23 82 29 00-0002 LF Demolish Cast Iron Radiator.....	36.93	
23 82 29 00-0003 EA Cap Radiator.....	45.81	
23 82 29 00-0004 Cast Iron Radiator (23 82 29)		
23 82 29 00-0005 EA 19" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	44.84 30.41	
23 82 29 00-0006 EA 25" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	60.99 32.10	
23 82 29 00-0007 EA 30" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	70.09 33.25	
23 82 29 00-0008 EA 36" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	86.64 34.98	
23 82 29 00-0009 Radiator Covers (23 82 29) Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0010 SF 14 Gauge Stainless Steel Radiator Cover	77.91	5.79
23 82 29 00-0011 SF Primed And Painted, Galvanized Steel Radiator Cover.....	50.27	5.79

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 29 00-0012			Radiator Shields (23 82 29)		
23 82 29 00-0013	SF		Stainless Steel Radiator Shield.....	62.15	5.79
23 82 29 00-0014	SF		Primed And Painted, Galvanized Steel Radiator Shield.....	31.26	5.79
23 82 29 00-0015			Remove And Reinstall Radiator (23 82 29)		
			Note: Includes storage and cleaning.		
23 82 29 00-0016	LF		Removal And Reinstallation Of Cast Iron Radiator.....	98.01	
23 82 29 00-0017	LF		Removal And Reinstallation Of Electric Radiator.....	65.34	
23 82 29 00-0018			Security Radiator Enclosures (23 82 29)		
			Note: Includes mounting brackets, support strips, corners, tamper proof fasteners, end caps and standard enamel color finishes. Excludes finned tube. Material is cold rolled steel as manufactured by Vulcan.		
23 82 29 00-0019			12 Gage Security Radiator Enclosures (23 82 29 00-0018)		
			Note: Excludes finned tube.		
23 82 29 00-0020	LF		12" H x 5-5/16" D 12 Gage Security Radiator Enclosure, Sloped Front.....	188.93	52.04
23 82 29 00-0021	LF		18" H x 5-5/16" D 12 Gage Security Radiator Enclosure, Sloped Front.....	210.02	57.82
23 82 29 00-0022			14 Gage Security Radiator Enclosures (23 82 29 00-0018)		
			Note: Excludes finned tube.		
23 82 29 00-0023	LF		12" H x 4-1/4" D 14 Gage Security Radiator Enclosure, Sloped Front.....	169.86	52.04
23 82 29 00-0024	LF		12" H x 5-5/16" D 14 Gage Security Radiator Enclosure, Sloped Front.....	169.86	52.04
23 82 29 00-0025	LF		12" H x 4-1/4" D 14 Gage Security Radiator Enclosure, Square Front.....	179.39	52.04
23 82 29 00-0026	LF		12" H x 5-5/16" D 14 Gage Security Radiator Enclosure, Square Front.....	179.39	52.04
23 82 29 00-0027			Finned Tube Element (23 82 29 00-0018)		
			Note: As manufactured by Vulcan.		
23 82 29 00-0028	LF		Vulcan Fin Tube Element With Hangers.....	93.42	34.69
			Note: 1" or 1-1/4" x 4-1/4" x 48"/.020 as manufactured by Vulcan Radiator Company.		
23 82 33			Convectors (23 82)		
23 82 33 00-0001			Multi-Fin Convectors For Two-Pipe System (23 82 33)		
			Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002			20" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		
23 82 33 00-0003	EA		20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	473.05	143.74
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	71.34	
			For Snap-On Inlet Grille, Add	53.56	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	89.34	
23 82 33 00-0004	EA		20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	549.57	156.81
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	77.28	
			For Snap-On Inlet Grille, Add	57.52	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	109.19	
23 82 33 00-0005	EA		20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	635.42	185.55
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	90.27	
			For Snap-On Inlet Grille, Add	66.18	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	124.08	
23 82 33 00-0006	EA		20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	756.88	215.61
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	104.00	
			For Snap-On Inlet Grille, Add	75.33	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	150.58	
23 82 33 00-0007	EA		20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	903.57	258.73
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	123.58	
			For Snap-On Inlet Grille, Add	88.39	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	179.07	
23 82 33 00-0008	EA		20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,012.50	284.60
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	135.33	
			For Snap-On Inlet Grille, Add	96.22	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	203.49	

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

23 82 33 00-0009	EA 20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,185.31	344.97
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	162.76	
	For Snap-On Inlet Grille, Add	114.50	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	231.98	
23 82 33 00-0010	EA 20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,287.77	366.54
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	172.56	
	For Snap-On Inlet Grille, Add	121.04	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	256.40	
23 82 33 00-0011	EA 20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,411.18	409.66
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	192.14	
	For Snap-On Inlet Grille, Add	134.10	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	276.75	
23 82 33 00-0012	EA 20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,557.97	452.78
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	211.76	
	For Snap-On Inlet Grille, Add	147.17	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	305.24	
23 82 33 00-0013	EA 20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,681.41	495.90
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	231.35	
	For Snap-On Inlet Grille, Add	160.23	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	325.58	

23 82 33 00-0014 26" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)

23 82 33 00-0015	EA 26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	567.20	189.08
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	91.07	
	For Snap-On Inlet Grille, Add	66.72	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	99.27	
23 82 33 00-0016	EA 26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	664.50	219.66
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	104.79	
	For Snap-On Inlet Grille, Add	75.86	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	117.32	
23 82 33 00-0017	EA 26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	799.15	257.95
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	121.98	
	For Snap-On Inlet Grille, Add	87.32	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	144.39	
23 82 33 00-0018	EA 26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	927.71	287.61
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	135.29	
	For Snap-On Inlet Grille, Add	96.20	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	173.86	
23 82 33 00-0019	EA 26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,075.40	323.42
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	151.41	
	For Snap-On Inlet Grille, Add	106.94	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	206.75	
23 82 33 00-0020	EA 26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,196.47	350.34
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	163.56	
	For Snap-On Inlet Grille, Add	115.04	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	234.94	
23 82 33 00-0021	EA 26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,364.64	399.20
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	185.82	
	For Snap-On Inlet Grille, Add	129.88	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	267.83	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating And Cooling Units



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 82 33 00-0022	EA 26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,481.34 15.00 196.67 137.11 15.00 18.00 296.02	423.64
23 82 33 00-0023	EA 26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,605.04 15.00 213.64 148.43 15.00 18.00 319.52	461.92
23 82 33 00-0024	EA 26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,756.16 15.00 230.78 159.85 15.00 18.00 352.41	499.43
23 82 33 00-0025	EA 26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,874.70 15.00 246.21 170.14 15.00 18.00 375.90	533.79
23 82 33 00-0026 32" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)			
23 82 33 00-0027	EA 32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	660.26 15.00 110.48 79.66 15.00 18.00 109.19	229.98
23 82 33 00-0028	EA 32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	790.23 15.00 132.46 94.30 15.00 18.00 129.05	278.34
23 82 33 00-0029	EA 32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	946.52 15.00 153.82 108.55 15.00 18.00 158.83	325.38
23 82 33 00-0030	EA 32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,082.12 15.00 166.72 117.14 15.00 18.00 191.24	353.60
23 82 33 00-0031	EA 32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,228.17 15.00 179.52 125.68 15.00 18.00 227.42	382.09
23 82 33 00-0032	EA 32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,358.86 15.00 192.14 134.10 15.00 18.00 258.43	409.66
23 82 33 00-0033	EA 32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,514.76 15.00 207.90 144.60 15.00 18.00 294.61	444.15
23 82 33 00-0034	EA 32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,646.75 15.00 220.92 153.28 15.00 18.00 325.62	472.64

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0035 EA 32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,767.64	504.52
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	235.04	
For Snap-On Inlet Grille, Add	162.69	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	351.47	
23 82 33 00-0036 EA 32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,917.98	534.72
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	249.13	
For Snap-On Inlet Grille, Add	172.08	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	387.65	
23 82 33 00-0037 EA 32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,030.36	560.58
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	260.69	
For Snap-On Inlet Grille, Add	179.79	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	413.49	
23 82 33 00-0038 Electric Convectors, Floor Standing Units (23 82 33)		
23 82 33 00-0039 4" Deep Electric Convectors (23 82 33 00-0038)		
23 82 33 00-0040 EA 38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	427.97	114.49
23 82 33 00-0041 EA 50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	466.45	114.49
23 82 33 00-0042 6" Deep Electric Convectors (23 82 33 00-0038)		
23 82 33 00-0043 EA 38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	484.20	114.49
23 82 33 00-0044 EA 50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	543.39	114.49
23 82 33 00-0045 EA 62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	595.18	114.49
23 82 33 00-0046 EA 74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	676.57	114.49
23 82 36 Finned-Tube Radiation Heaters (23 82)		
23 82 36 00-0001 Electric Baseboard Heating (23 82 36)		
Note: Includes 24 gauge steel enclosure and heating element		
23 82 36 00-0002 Electric Wall Heating 10" Enclosure (23 82 36 00-0001)		
23 82 36 00-0003 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	124.06	63.61
23 82 36 00-0004 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	125.83	63.61
23 82 36 00-0005 Electric Wall Heating 16" Enclosure (23 82 36 00-0001)		
23 82 36 00-0006 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	141.81	63.61
23 82 36 00-0007 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	146.25	63.61
23 82 36 00-0008 Finned Tube Baseboard Units (23 82 36)		
Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0009 LF 3/4" IPS Steel Finned Tube Baseboard Unit Complete With Enclosure Heat Element	66.81	13.07
For Copper Tube With Aluminum Fins, Add	1.36	
23 82 36 00-0010 LF 1" IPS Steel Finned Tube Baseboard Unit Complete With Enclosure Heat Element	81.72	14.37
For Copper Tube With Aluminum Fins, Add	1.94	
23 82 36 00-0011 LF 1-1/4" IPS Steel Finned Tube Baseboard Unit Complete With Enclosure Heat Element	96.90	15.68
For Copper Tube With Aluminum Fins, Add	2.53	
23 82 39 Unit Heaters (23 82)		
23 82 39 13 Cabinet Unit Heaters (23 82 39)		
23 82 39 13-0001 Electric Cabinet Unit Heaters (23 82 39 13)		
Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.		
23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0003 EA 2 KW, 250 CFM, 35" Electric Cabinet Unit Heater	1,906.51	144.55
Note: Wall or floor mounted.		
23 82 39 13-0004 EA 3 KW, 250 CFM, 35" Electric Cabinet Unit Heater	1,920.70	144.55
Note: Wall or floor mounted.		
23 82 39 13-0005 EA 4 KW, 250 CFM, 35" Electric Cabinet Unit Heater	1,934.90	144.55
Note: Wall or floor mounted.		
23 82 39 13-0006 EA 5 KW, 250 CFM, 35" Electric Cabinet Unit Heater	1,949.08	144.55
Note: Wall or floor mounted.		
23 82 39 13-0007 EA 6 KW, 250 CFM, 35" Electric Cabinet Unit Heater	1,963.28	144.55
Note: Wall or floor mounted.		
23 82 39 13-0008 EA 7 KW, 250 CFM, 35" Electric Cabinet Unit Heater	1,977.47	144.55
Note: Wall or floor mounted.		
23 82 39 13-0009 EA 8 KW, 250 CFM, 35" Electric Cabinet Unit Heater	1,992.23	144.55
23 82 39 13-0010 EA For Ceiling Installation of 35" Cabinet Unit Heater, Add	193.12	95.98
23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0012 EA 4 KW, 500 CFM, 45" Electric Cabinet Unit Heater	2,040.96	173.46
Note: Wall or floor mounted.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0013	EA		6 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,069.35	173.46
23 82 39 13-0014	EA		8 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,097.73	173.46
23 82 39 13-0015	EA		10 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,126.13	173.46
23 82 39 13-0016	EA		12 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,154.51	173.46
23 82 39 13-0017	EA		14 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,182.90	173.46
23 82 39 13-0018	EA		16 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,211.28	173.46
23 82 39 13-0019	EA		For Ceiling Installation of 45" Cabinet Unit Heater, Add.....	231.28	115.64
23 82 39 13-0020			Electric Cabinet Unit Heaters, 58" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0021	EA		6 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,572.74	231.28
23 82 39 13-0022	EA		8 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,601.12	231.28
23 82 39 13-0023	EA		10 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,629.51	231.28
23 82 39 13-0024	EA		12 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,657.89	231.28
23 82 39 13-0025	EA		14 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,686.28	231.28
23 82 39 13-0026	EA		16 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,714.66	231.28
23 82 39 13-0027	EA		For Ceiling Installation of 58" Cabinet Unit Heater, Add.....	289.10	144.55
23 82 39 13-0028			Electric Cabinet Unit Heaters, 68" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0029	EA		6 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,047.75	289.10
23 82 39 13-0030	EA		9 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,090.32	289.10
23 82 39 13-0031	EA		12 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,132.90	289.10
23 82 39 13-0032	EA		15 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,175.47	289.10
23 82 39 13-0033	EA		18 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,218.06	289.10
23 82 39 13-0034	EA		21 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,260.63	289.10
23 82 39 13-0035	EA		24 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,303.21	289.10
23 82 39 13-0036	EA		For Ceiling Installation of 68" Cabinet Unit Heater, Add.....	386.24	193.12
23 82 39 13-0037			Electric Cabinet Unit Heaters, 78" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0038	EA		8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,579.51	346.92
23 82 39 13-0039	EA		12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,636.28	346.92
23 82 39 13-0040	EA		16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,693.05	346.92
23 82 39 13-0041	EA		20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,749.82	346.92
23 82 39 13-0042	EA		24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,806.60	346.92
23 82 39 13-0043	EA		28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,863.37	346.92
23 82 39 13-0044	EA		32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,920.14	346.92
23 82 39 13-0045	EA		For Ceiling Installation of 78" Cabinet Unit Heater, Add.....	462.56	231.28
23 82 39 13-0046			Removal and Reinstallation of Cabinet Unit Heaters <small>(23 82 39 13)</small>		
			Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA		Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall.....	359.35	
23 82 39 13-0048	EA		Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall.....	620.71	
23 82 39 13-0049	EA		Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling.....	740.91	
23 82 39 13-0050	EA		Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling.....	1,002.25	
23 82 39 16			Propeller Unit Heaters <small>(23 82 39)</small>		
23 82 39 16-0001			Hydronic Unit Heaters Using Steam Or Hot Water <small>(23 82 39 16)</small>		
			Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002			Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt <small>(23 82 39 16-0001)</small>		
23 82 39 16-0003	EA		18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	758.37	130.67
23 82 39 16-0004	EA		24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	759.72	130.67
23 82 39 16-0005	EA		36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	837.65	130.67
23 82 39 16-0006	EA		48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,049.43	196.01
23 82 39 16-0007	EA		60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,089.30	196.01

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

23 82 39 16-0008	EA	72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,148.67	196.01
23 82 39 16-0009	EA	84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,396.21	261.34
23 82 39 16-0010	EA	96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,515.83	261.34
23 82 39 16-0011	EA	108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,591.94	261.34
23 82 39 16-0012	EA	120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,653.56	261.34
23 82 39 16-0013	EA	132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,887.53	326.68
23 82 39 16-0014	EA	144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,908.38	326.68
23 82 39 16-0015	EA	156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,928.32	326.68
23 82 39 16-0016	EA	180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,083.38	392.02
23 82 39 16-0017	EA	204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,239.24	392.02
23 82 39 16-0018	EA	240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,561.30	457.35
23 82 39 16-0019	EA	280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,125.82	457.35
23 82 39 16-0020	EA	300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,348.80	522.69
23 82 39 16-0021	EA	360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,928.74	522.69
23 82 39 16-0022	EA	Fan Guard For Fan Propelled Steam Unit Heater, Horizontal.....	203.51	32.67

Note: Required only for unit heaters located within 7' of a working surface.

23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)

23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,102.91	130.67
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,145.94	196.01
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,224.33	196.01
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,518.55	261.34
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,595.57	261.34
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,943.84	392.02
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,061.64	392.02
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,160.41	392.02
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,426.27	457.35
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,543.17	457.35
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,779.67	457.35
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,256.56	588.02
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,043.09	588.02
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,284.13	588.02
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,866.07	653.36
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical.....	270.57	32.67

Note: Required only for unit heaters located within 7' of a working surface.

23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters (23 82 39 16)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA	Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	784.03	
23 82 39 16-0042	EA	Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	1,045.38	

23 82 39 19 Wall and Ceiling Unit Heaters (23 82 39)

23 82 39 19-0001 Electric Unit Heaters (23 82 39 19)

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	610.15	115.64
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	610.15	115.64
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	810.60	144.55
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	935.39	173.46
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,348.71	231.28
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	1,929.18	289.10
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	2,624.14	346.92
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	3,759.95	404.74
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt	733.32	115.64
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt	709.27	115.64
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	845.80	144.55
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt	981.19	173.46
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt	1,440.30	231.28

23 82 39 19-0015 Electric Ceiling and Wall Heaters (23 82 39 19)

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	312.77	72.28
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	363.83	80.95
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	542.25	80.95
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	349.41	72.28
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	421.66	80.95
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	610.17	80.95
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	459.74	95.40
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	812.03	101.18
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater	906.31	101.18
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,045.89	106.97
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,128.67	106.97
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	508.72	95.40
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	889.17	101.18
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	983.46	101.18
23 82 39 19-0030	EA	Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB).....	422.91	72.28

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 82 39 19-0031	Vandal Resistant Security Electric Unit Heaters ^(23 82 39 19)			
	Note: 14 Gauge steel enclosure complete self contained units for UL certification. Standard enamel color finishes included. 250 Watts per foot, built in thermostat, disconnect switch, thermal cut out, switch, 120 Volt or 208 Volt. 10" High, tamper proof fasteners.			
23 82 39 19-0032	EA	8" H, 4'-0" Vandal Resistant Security Electric Unit Heater, Sloped Front.....	740.24	67.07
23 82 39 19-0033	EA	10" H, 4'-0" Vandal Resistant Security Electric Unit Heater, Sloped Front.....	801.46	72.77

23 82 39 19-0034	Removal And Reinstallation Of Electric Unit Heaters ^(23 82 39 19)			
	Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.			
23 82 39 19-0035	EA	Removal And Reinstallation Of Up To 15KW Electric Unit Heater.....	470.45	
23 82 39 19-0036	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater.....	967.09	

23 83 Radiant Heating Units ^(23 80)**23 83 13 Radiant-Heating Electric Cables ^(23 83)**

23 83 13 00-0001	Self Regulating Heating Cable ^(23 83 13)			
23 83 13 00-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, @ 50° F.	5.96	0.89
		<i>For TPE Covering, Add</i>	1.05	
23 83 13 00-0003	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, @ 50° F.	6.47	0.89
		<i>For TPE Covering, Add</i>	1.17	
23 83 13 00-0004	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, @ 50° F.	6.92	0.89
		<i>For TPE Covering, Add</i>	1.29	
23 83 13 00-0005	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, @ 50° F.	6.11	0.89
		<i>For TPE Covering, Add</i>	1.08	
23 83 13 00-0006	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, @ 50° F.	6.61	0.89
		<i>For TPE Covering, Add</i>	1.21	
23 83 13 00-0007	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, @ 50° F.	7.12	0.89
		<i>For TPE Covering, Add</i>	1.34	
23 83 13 00-0008	EA	Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable.....	245.55	70.18
23 83 13 00-0009	EA	Splice And Tee Kit For Self Regulating Low Temperature Heating Cable.....	245.55	70.18
23 83 13 00-0010	EA	End Seal Kit For Self Regulating Low Temperature Heating Cable.....	130.71	12.76
23 83 13 00-0011	EA	Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable.....	351.95	31.90
23 83 13 00-0012	EA	Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable.....	384.68	31.90

23 84 Humidity Control Equipment ^(23 80)**23 84 13 Humidifiers ^(23 84)**

23 84 13 00-0001	Steam Type Pneumatically Controlled ^(23 84 13)			
	Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.			
23 84 13 00-0002	EA	3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls.....	1,413.70	344.97
		<i>For Electrically Controlled Unit, Add</i>	700.00	
		<i>For Each Additional Manifold, Add</i>	441.53	
23 84 13 00-0003	EA	3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls.....	1,413.70	344.97
		<i>For Electrically Controlled Unit, Add</i>	700.00	
		<i>For Each Additional Manifold, Add</i>	441.53	
23 84 13 00-0004	EA	65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls.....	1,920.27	344.97
		<i>For Electrically Controlled Unit, Add</i>	700.00	
		<i>For Each Additional Manifold, Add</i>	593.50	
23 84 13 00-0005	EA	65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls.....	2,050.94	431.22
		<i>For Electrically Controlled Unit, Add</i>	700.00	
		<i>For Each Additional Manifold, Add</i>	637.06	
23 84 13 00-0006	EA	100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls.....	2,753.22	344.97
		<i>For Electrically Controlled Unit, Add</i>	700.00	
		<i>For Each Additional Manifold, Add</i>	843.39	
23 84 13 00-0007	EA	100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls.....	2,883.89	431.22
		<i>For Electrically Controlled Unit, Add</i>	700.00	
		<i>For Each Additional Manifold, Add</i>	886.95	
23 84 13 00-0008	EA	220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls.....	4,185.36	431.22
		<i>For Electrically Controlled Unit, Add</i>	700.00	
		<i>For Each Additional Manifold, Add</i>	1,277.39	
23 84 13 00-0009	EA	220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls.....	4,348.70	539.68
		<i>For Electrically Controlled Unit, Add</i>	700.00	
		<i>For Each Additional Manifold, Add</i>	1,331.83	

23 84 13 00-0010	Electric Steam Humidifiers, Self-Steam Producing ^(23 84 13)			
	Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.			
23 84 13 00-0011	EA	1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	7,581.17	538.37
23 84 13 00-0012	EA	20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	9,506.55	539.68

23 84 13 00-0013	Residential Humidifiers ^(23 84 13)			
	Note: Includes solenoid valve and flow through water supply.			
23 84 13 00-0014	EA	Duct Or Furnace Mounted Humidifier, Residential Type.....	461.57	65.34

Heating, Ventilating, And Air-Conditioning (HVAC)		23
Decentralized Unitary HVAC Equipment		23 80
Humidity Control Equipment		23 84

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

23 84 16 Mechanical Dehumidification Units (23 84)

23 84 16 16 Indoor, Mechanical Dehumidification Units (23 84 16)

23 84 16 16-0001 Mechanical Dehumidification Units (23 84 16 16)

Note: Sized by moisture removal per 24 hours.

23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier.....	1,347.63	57.82
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	1,689.50	67.45
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	2,249.54	77.09

23 84 16 33 Portable Dehumidifiers (23 84 16)

23 84 16 33-0001 Self Contained Free Standing Unit (23 84 16 33)

Note: Sized by moisture removal per 24 hours.

23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier.....	365.93	124.91
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier.....	425.10	124.91
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier.....	460.60	124.91

END OF SECTION 23

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 84 Humidity Control Equipment

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

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

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution ^(26 01)

26 01 10 91 Medium-Voltage Electrical Distribution Restoration ^(26 01 10)

26 01 10 91-0001 Retrofit Distribution Enclosures ^(26 01 10 91)

Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C)	337.49
		Note: 2mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	64.90
		<i>For >20 To 50, Add</i>	51.92
		<i>For >50 To 100, Add</i>	25.96
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C)	430.53
		Note: 2mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	88.16
		<i>For >20 To 50, Add</i>	70.52
		<i>For >50 To 100, Add</i>	35.26
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C)	635.22
		Note: 4mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	139.33
		<i>For >20 To 50, Add</i>	111.46
		<i>For >50 To 100, Add</i>	55.73
26 01 10 91-0005	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO)	334.84
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	64.23
		<i>For >20 To 50, Add</i>	51.39
		<i>For >50 To 100, Add</i>	25.69
26 01 10 91-0006	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	336.48
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	64.64
		<i>For >20 To 50, Add</i>	51.71
		<i>For >50 To 100, Add</i>	25.86
26 01 10 91-0007	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	422.95
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	86.26
		<i>For >20 To 50, Add</i>	69.01
		<i>For >50 To 100, Add</i>	34.50
26 01 10 91-0008	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	618.39
		Note: 4mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	135.12
		<i>For >20 To 50, Add</i>	108.10
		<i>For >50 To 100, Add</i>	54.05
26 01 10 91-0009	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric V PFR)	270.50
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	48.15
		<i>For >20 To 50, Add</i>	38.52
		<i>For >50 To 100, Add</i>	19.26
26 01 10 91-0010	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric V PFR)	370.99
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	73.27
		<i>For >20 To 50, Add</i>	58.62
		<i>For >50 To 100, Add</i>	29.31
26 01 10 91-0011	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric V PFR)	517.52
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	109.90
		<i>For >20 To 50, Add</i>	87.92
		<i>For >50 To 100, Add</i>	43.96
26 01 10 91-0012	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	474.04
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	99.03
		<i>For >20 To 50, Add</i>	79.23
		<i>For >50 To 100, Add</i>	39.61
26 01 10 91-0013	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	642.16
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	141.06
		<i>For >20 To 50, Add</i>	112.85
		<i>For >50 To 100, Add</i>	56.43
26 01 10 91-0014	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,155.63
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	269.43
		<i>For >20 To 50, Add</i>	215.54
		<i>For >50 To 100, Add</i>	107.77

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 10 91-0015	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	540.87
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	115.74
		<i>For >20 To 50, Add</i>	92.59
		<i>For >50 To 100, Add</i>	46.30
26 01 10 91-0016	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	784.29
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	176.60
		<i>For >20 To 50, Add</i>	141.28
		<i>For >50 To 100, Add</i>	70.64

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution (26 01)**26 01 20 91 Low-Voltage Electrical Distribution Restoration** (26 01 20)

26 01 20 91-0001		Lock Out/Tag Out Devices <small>(26 01 20 91)</small> Note: Includes the installation and removal of device lock, pad lock and identifying markers. Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.	
26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect	31.90
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter	31.90
26 01 20 91-0004	EA	Lock Out/Tag Out Tags	5.08
26 01 20 91-0005		Existing Circuit Tracing <small>(26 01 20 91)</small>	
26 01 20 91-0006	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	26.55
26 01 20 91-0007	EA	Lighting, Existing Circuit Tracing Per Circuit	26.55

26 01 50 Operation and Maintenance of Lighting (26 01)**26 01 50 51 Luminaire Relamping** (26 01 50)

26 01 50 51-0001		Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small> Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0354 for disposal of hazardous lamps.	
26 01 50 51-0002		Halogen Lamps <small>(26 01 50 51-0001)</small>	
26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	36.15
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	47.57
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	72.34
26 01 50 51-0006	EA	90 Watt, PAR38, Halogen Lamp	14.84
26 01 50 51-0007	EA	100 Watt, PAR38, Halogen Lamp	14.84
26 01 50 51-0008	EA	60 Watt, PAR38, Halogen IR Reflective Lamp	17.59
26 01 50 51-0009	EA	67 Watt, PAR38, Halogen IR Reflective Lamp	19.30
26 01 50 51-0010	EA	70 Watt, PAR38, Halogen IR Reflective Lamp	18.85
26 01 50 51-0011	EA	90 Watt, PAR38, Halogen IR Reflective Lamp	20.16
26 01 50 51-0012	EA	100 Watt, PAR38, Halogen IR Reflective Lamp	20.44
26 01 50 51-0013		Incandescent Lamps <small>(26 01 50 51-0001)</small>	
26 01 50 51-0014	EA	100 Watt, Frosted, Interior Incandescent Lamp	3.60
		<i>For Multiple Lamps In Fixture, Deduct</i>	-0.99
26 01 50 51-0015	EA	150 Watt, Frosted, Interior Incandescent Lamp	4.92
		<i>For Multiple Lamps In Fixture, Deduct</i>	-0.99
26 01 50 51-0016	EA	200 Watt, Frosted, Interior Incandescent Lamp	6.37
		<i>For Multiple Lamps In Fixture, Deduct</i>	-0.99
26 01 50 51-0017	EA	300 Watt, PS25, Interior Incandescent Lamp	8.19
		<i>For Multiple Lamps In Fixture, Deduct</i>	-0.99
26 01 50 51-0018	EA	60 Watt, G25, Clear, Interior Incandescent Lamp	5.73
		<i>For Multiple Lamps In Fixture, Deduct</i>	-0.99
26 01 50 51-0019	EA	75 Watt, R20, Interior Incandescent Lamp	9.70
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.19
26 01 50 51-0020	EA	75 Watt, PAR38, Exterior Incandescent Lamp	12.25
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.19
26 01 50 51-0021	EA	100 Watt, PAR38, Exterior Incandescent Lamp	11.24
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.19
26 01 50 51-0022	EA	150 Watt, PAR38, Exterior Incandescent Lamp	20.90
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.19
26 01 50 51-0023	EA	250 Watt, PAR38, Exterior Incandescent Lamp	44.92
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.39
26 01 50 51-0024	EA	300 Watt, PAR56, Exterior Incandescent Lamp	52.02
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.39
26 01 50 51-0025		Exit Light Lamps <small>(26 01 50 51-0001)</small>	
26 01 50 51-0026	EA	Convert Exit Light Lamps To Red LED Lamps	63.32
		<i>For Green LED Lamps, Add</i>	25.00
26 01 50 51-0027	EA	Fluorescent Lamp For Exit Light	18.41
		<i>For Multiple Lamps In Fixture, Deduct</i>	-3.96
26 01 50 51-0028	EA	Lamp Replacement For Emergency Lights On Exit Sign	29.16
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.98

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

26 01 50 51-0029	Fluorescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0030	EA 18", 15 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	6.50 -1.59	
26 01 50 51-0031	EA 2', 17 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	7.96 -1.59	
26 01 50 51-0032	EA 3', 25 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	9.16 -1.79	
26 01 50 51-0033	EA 4', 32 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	8.08 -1.79	
26 01 50 51-0034	EA 4', 30 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	11.68 -1.79	
26 01 50 51-0035	EA 4', 28 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	10.15 -1.79	
26 01 50 51-0036	EA 4', 25 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	10.09 -1.79	
26 01 50 51-0037	EA 4', 44 Watt, T8HO Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	16.70 -1.79	
26 01 50 51-0038	EA 8', 59 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	12.55 -1.79	
26 01 50 51-0039	EA 18", 15 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	10.18 -1.59	
26 01 50 51-0040	EA 2', 20 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	7.54 -1.59	
26 01 50 51-0041	EA 3', 30 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	8.47 -1.79	
26 01 50 51-0042	EA 4', 34 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	8.52 -1.79	
26 01 50 51-0043	EA 4', 40 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	8.32 -1.79	
26 01 50 51-0044	EA 8', 60 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	12.88 -1.79	
26 01 50 51-0045	EA 8', 75 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	10.76 -1.79	
26 01 50 51-0046	EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	10.31 -1.59	
26 01 50 51-0047	EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	8.36 -1.59	
26 01 50 51-0048	EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	8.06 -1.59	
26 01 50 51-0049	EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	9.00 -1.59	
26 01 50 51-0050	EA 6", 4 Watt, T5 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	7.29 -1.59	
26 01 50 51-0051	EA 9", 6 Watt, T5 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	7.16 -1.59	
26 01 50 51-0052	EA 12", 8 Watt, T5 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	7.41 -1.59	
26 01 50 51-0053	EA 21", 13 Watt, T5 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	7.78 -1.59	
26 01 50 51-0054	EA 24", 14 Watt, T5 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	9.08 -1.59	
26 01 50 51-0055	EA 34", 21 Watt, T5 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	9.85 -1.79	
26 01 50 51-0056	EA 46", 28 Watt, T5 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	9.51 -1.79	
26 01 50 51-0057	EA 46", 54 Watt T5HO Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	10.48 -1.79	
26 01 50 51-0058	EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	5.89 -0.99	
26 01 50 51-0059	EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	6.56 -0.99	
26 01 50 51-0060	EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	13.96 -0.99	
26 01 50 51-0061	EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	15.15 -1.98	
26 01 50 51-0062	EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	14.57 -1.98	
26 01 50 51-0063	EA <9 Watt Spiral Compact Fluorescent Lamps, Screw-In	5.26	
26 01 50 51-0064	EA 9-27 Watt Spiral Compact Fluorescent Lamps, Screw-In	4.61	
26 01 50 51-0065	EA 29-32 Watt Spiral Compact Fluorescent Lamps, Screw-In	4.61	
26 01 50 51-0066	EA 33-42 Watt Spiral Compact Fluorescent Lamps, Screw-In	18.27	
26 01 50 51-0067	EA 43-65 Watt Spiral Compact Fluorescent Lamps, Screw-In	19.89	
26 01 50 51-0068	EA 85 Watt Spiral Compact Fluorescent Lamps, Screw-In	37.42	
26 01 50 51-0069	EA 105 Watt Spiral Compact Fluorescent Lamps, Screw-In	44.73	
26 01 50 51-0070	EA 200 Watt Spiral Compact Fluorescent Lamps, Screw-In	46.22	
26 01 50 51-0071	EA 11 Watt Compact Fluorescent Reflector Lamps, Screw-In	17.18	
26 01 50 51-0072	EA 15 Watt Compact Fluorescent Reflector Lamps, Screw-In	17.89	
26 01 50 51-0073	EA 20-28 Watt Compact Fluorescent Reflector Lamps, Screw-In	20.57	

26 01 50 51-0074	Mercury Vapor Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0075	EA 100 Watt, Mercury Vapor Lamp	25.70	
26 01 50 51-0076	EA 175 Watt, Mercury Vapor Lamp	23.13	
26 01 50 51-0077	EA 250 Watt, Mercury Vapor Lamp	21.85	
26 01 50 51-0078	EA 400 Watt, Mercury Vapor Lamp	27.28	
26 01 50 51-0079	EA 1,000 Watt, Mercury Vapor Lamp	49.09	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0080			Metal Halide Lamps (26 01 50 51-0001)		
26 01 50 51-0081	EA		50 Watt, Pulse Start Metal Halide Lamp	26.23	
26 01 50 51-0082	EA		70 Watt, Pulse Start Metal Halide Lamp	25.03	
26 01 50 51-0083	EA		100 Watt, Pulse Start Metal Halide Lamp	28.82	
26 01 50 51-0084	EA		150 Watt, Pulse Start Metal Halide Lamp	27.96	
26 01 50 51-0085	EA		175 Watt, Pulse Start Metal Halide Lamp	27.71	
26 01 50 51-0086	EA		250 Watt, Pulse Start Metal Halide Lamp	27.88	
26 01 50 51-0087	EA		400 Watt, Pulse Start Metal Halide Lamp	33.91	
26 01 50 51-0088	EA		1,000 Watt, Pulse Start Metal Halide Lamp	39.70	
26 01 50 51-0089	EA		1,500 Watt, Pulse Start Metal Halide Lamp	39.45	
26 01 50 51-0090			High Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0091	EA		35 Watt, High Pressure Sodium Lamp.....	21.35	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.53	
26 01 50 51-0092	EA		50 Watt, High Pressure Sodium Lamp.....	21.35	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.53	
26 01 50 51-0093	EA		70 Watt, High Pressure Sodium Lamp.....	21.87	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.53	
26 01 50 51-0094	EA		100 Watt, High Pressure Sodium Lamp.....	22.85	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.53	
26 01 50 51-0095	EA		150 Watt, High Pressure Sodium Lamp.....	21.87	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.53	
26 01 50 51-0096	EA		250 Watt, High Pressure Sodium Lamp.....	21.87	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.53	
26 01 50 51-0097	EA		400 Watt, High Pressure Sodium Lamp.....	20.40	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.53	
26 01 50 51-0098	EA		1,000 Watt, High Pressure Sodium Lamp.....	49.22	
26 01 50 51-0099			Low Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0100	EA		35 Watt, Low Pressure Sodium Lamp.....	56.83	
26 01 50 51-0101	EA		55 Watt, Low Pressure Sodium Lamp.....	63.61	
26 01 50 51-0102	EA		70 Watt, Low Pressure Sodium Lamp.....	65.13	
26 01 50 51-0103	EA		90 Watt, Low Pressure Sodium Lamp.....	66.66	
26 01 50 51-0104	EA		135 Watt, Low Pressure Sodium Lamp.....	72.76	
26 01 50 51-0105	EA		180 Watt, Low Pressure Sodium Lamp.....	100.24	
26 01 50 51-0106			LED Lamps (26 01 50 51-0001)		
26 01 50 51-0107			LED Lamps, Candelabra Base, CA10 (26 01 50 51-0106)		
26 01 50 51-0108	EA		3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star).....	8.40	
26 01 50 51-0109			LED Lamps, Medium Base, A19 Or A21 (26 01 50 51-0106)		
26 01 50 51-0110	EA		6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	11.25	
26 01 50 51-0111	EA		11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	11.25	
26 01 50 51-0112	EA		14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	18.93	
26 01 50 51-0113	EA		17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	13.19	
26 01 50 51-0114	EA		18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	23.72	
26 01 50 51-0115			LED Lamps, Medium Base, BR30 Or BR40 (26 01 50 51-0106)		
26 01 50 51-0116	EA		9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	15.17	
26 01 50 51-0117	EA		14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	13.55	
26 01 50 51-0118	EA		11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	17.86	
26 01 50 51-0119	EA		14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	14.99	
26 01 50 51-0120	EA		14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	19.78	
26 01 50 51-0121	EA		18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	14.99	
26 01 50 51-0122			LED Lamps, Medium Base, PAR (26 01 50 51-0106)		
26 01 50 51-0123	EA		7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star).....	16.71	
26 01 50 51-0124	EA		12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star).....	22.67	
26 01 50 51-0125	EA		16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	22.67	
26 01 50 51-0126	EA		15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	21.71	
26 01 50 51-0127	EA		12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	20.75	
26 01 50 51-0128	EA		15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	20.75	
26 01 50 51-0129	EA		18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	40.12	
26 01 50 51-0130	EA		15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	22.67	
26 01 50 51-0131	EA		18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	21.71	
26 01 50 51-0132	EA		19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star).....	22.67	
26 01 50 51-0133	EA		24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	22.67	
26 01 50 51-0134			LED Lamps, GU Base, MR16 (26 01 50 51-0106)		
26 01 50 51-0135	EA		4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star).....	11.64	
26 01 50 51-0136	EA		6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star).....	15.17	
26 01 50 51-0137	EA		8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	16.71	
26 01 50 51-0138			LED Lamps, PL Series (26 01 50 51-0106)		
26 01 50 51-0139	EA		3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23).....	20.23	

			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--	--	--	---------------------------	-------------------------

26 01 50 51-0140	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR).....	26.52	
26 01 50 51-0141	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR).....	22.22	
26 01 50 51-0142	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR).....	24.91	
26 01 50 51-0143	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR).....	24.91	
26 01 50 51-0144	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR).....	29.75	
26 01 50 51-0145	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR).....	24.91	
26 01 50 51-0146	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR).....	24.91	
26 01 50 51-0147	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR).....	24.91	
26 01 50 51-0148	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR).....	24.91	
26 01 50 51-0149	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR).....	28.13	
26 01 50 51-0150	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR).....	28.13	
26 01 50 51-0151	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR).....	28.13	
26 01 50 51-0152	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR).....	28.13	
26 01 50 51-0153	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR).....	26.52	
26 01 50 51-0154	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR).....	26.52	
26 01 50 51-0155	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR).....	26.52	
26 01 50 51-0156	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR).....	27.60	
26 01 50 51-0157	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR).....	27.60	
26 01 50 51-0158	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP).....	27.83	
26 01 50 51-0159	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP).....	27.83	
26 01 50 51-0160	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP).....	27.83	
26 01 50 51-0161	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP).....	27.83	
26 01 50 51-0162	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP).....	28.67	
26 01 50 51-0163	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP).....	28.67	
26 01 50 51-0164	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26).....	28.67	
26 01 50 51-0165	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26).....	28.67	
26 01 50 51-0166	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26).....	28.67	
26 01 50 51-0167	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24).....	28.67	
26 01 50 51-0168	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24).....	28.67	
26 01 50 51-0169	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24).....	28.67	
26 01 50 51-0170	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP).....	37.07	
26 01 50 51-0171	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP).....	37.07	
26 01 50 51-0172	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP).....	37.07	
26 01 50 51-0173	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP).....	35.14	
26 01 50 51-0174	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP).....	35.14	
26 01 50 51-0175	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP).....	35.14	

26 01 50 51-0176

HID LED Lamps, Medium Base E26 (26 01 50 51-0106)

26 01 50 51-0177	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26).....	72.25	
26 01 50 51-0178	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26).....	72.25	
26 01 50 51-0179	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26).....	92.14	
26 01 50 51-0180	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26).....	92.14	
26 01 50 51-0181	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026).....	61.29	
26 01 50 51-0182	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026).....	61.29	
26 01 50 51-0183	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026).....	61.29	
26 01 50 51-0184	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026).....	61.29	
26 01 50 51-0185	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026).....	63.44	
26 01 50 51-0186	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026).....	63.44	
26 01 50 51-0187	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026).....	63.44	
26 01 50 51-0188	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026).....	63.44	
26 01 50 51-0189	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026).....	72.05	
26 01 50 51-0190	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026).....	72.05	
26 01 50 51-0191	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026).....	72.05	
26 01 50 51-0192	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026).....	72.05	
26 01 50 51-0193	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026).....	82.81	
26 01 50 51-0194	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026).....	82.81	
26 01 50 51-0195	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026).....	82.81	
26 01 50 51-0196	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026).....	82.81	
26 01 50 51-0197	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026).....	106.47	
26 01 50 51-0198	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026).....	106.47	
26 01 50 51-0199	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026).....	106.47	
26 01 50 51-0200	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026).....	106.47	
26 01 50 51-0201	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026).....	126.91	
26 01 50 51-0202	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026).....	126.91	
26 01 50 51-0203	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026).....	126.91	
26 01 50 51-0204	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026).....	126.91	
26 01 50 51-0205	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026).....	140.90	
26 01 50 51-0206	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026).....	140.90	
26 01 50 51-0207	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026).....	140.90	
26 01 50 51-0208	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026).....	140.90	
26 01 50 51-0209	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026).....	191.46	
26 01 50 51-0210	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026).....	191.46	
26 01 50 51-0211	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026).....	191.46	
26 01 50 51-0212	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026).....	191.46	
26 01 50 51-0213	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026).....	197.92	
26 01 50 51-0214	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026).....	197.92	
26 01 50 51-0215	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026).....	197.92	
26 01 50 51-0216	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026).....	197.92	
26 01 50 51-0217	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026).....	235.57	
26 01 50 51-0218	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026).....	235.57	
26 01 50 51-0219	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026).....	235.57	
26 01 50 51-0220	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026).....	235.57	
26 01 50 51-0221	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026).....	280.75	
26 01 50 51-0222	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026).....	280.75	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 51-0223	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	280.75
26 01 50 51-0224	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	280.75
26 01 50 51-0225	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	89.96
26 01 50 51-0226	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	97.49
26 01 50 51-0227	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	97.49
26 01 50 51-0228	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	89.96
26 01 50 51-0229	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	113.63
26 01 50 51-0230	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	103.94
26 01 50 51-0231	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	125.46
26 01 50 51-0232	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	124.19
26 01 50 51-0233	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	127.07
26 01 50 51-0234	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	127.07
26 01 50 51-0235	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	76.01
26 01 50 51-0236	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	76.01
26 01 50 51-0237	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	85.96
26 01 50 51-0238	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	85.96
26 01 50 51-0239	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	92.57
26 01 50 51-0240	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	92.57
26 01 50 51-0241	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	102.51
26 01 50 51-0242	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	102.51
26 01 50 51-0243	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	103.03
26 01 50 51-0244	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	111.85
26 01 50 51-0245	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	139.72
26 01 50 51-0246	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	154.13
26 01 50 51-0247	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	59.14
26 01 50 51-0248	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	66.88
26 01 50 51-0249	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	70.76
26 01 50 51-0250	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	77.96
26 01 50 51-0251	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV)	94.23
26 01 50 51-0252	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV)	110.79
26 01 50 51-0253	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV)	152.16
26 01 50 51-0254	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV)	160.44
26 01 50 51-0255	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV)	173.68
26 01 50 51-0256	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV)	181.95
26 01 50 51-0257	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV)	263.06
26 01 50 51-0258	EA	200 Watts, 5000K CCT, 120-277 Volts, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL- IOD-20W-E26-50K)	67.11

26 01 50 51-0259 HID LED Lamps, Mogul Base E39 Or EX39 (26 01 50 51-0106)

26 01 50 51-0260	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	250.64
26 01 50 51-0261	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	250.64
26 01 50 51-0262	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	250.64
26 01 50 51-0263	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	72.25
26 01 50 51-0264	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	72.25
26 01 50 51-0265	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	72.25
26 01 50 51-0266	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	92.14
26 01 50 51-0267	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	92.14
26 01 50 51-0268	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	92.14
26 01 50 51-0269	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	172.83
26 01 50 51-0270	EA	80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	191.46
26 01 50 51-0271	EA	80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	191.46
26 01 50 51-0272	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	191.46
26 01 50 51-0273	EA	80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	191.46
26 01 50 51-0274	EA	100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	197.92
26 01 50 51-0275	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	197.92
26 01 50 51-0276	EA	100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039)	197.92
26 01 50 51-0277	EA	100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039)	197.92
26 01 50 51-0278	EA	120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039)	235.57
26 01 50 51-0279	EA	120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039)	235.57
26 01 50 51-0280	EA	120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039)	235.57
26 01 50 51-0281	EA	120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039)	235.57
26 01 50 51-0282	EA	150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039)	280.75
26 01 50 51-0283	EA	150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039)	280.75
26 01 50 51-0284	EA	150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039)	280.75
26 01 50 51-0285	EA	150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039)	280.75
26 01 50 51-0286	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5)	97.49
26 01 50 51-0287	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5)	97.49
26 01 50 51-0288	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5)	113.63
26 01 50 51-0289	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5)	112.14
26 01 50 51-0290	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5)	125.46
26 01 50 51-0291	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5)	124.19
26 01 50 51-0292	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5)	127.07
26 01 50 51-0293	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5)	123.33
26 01 50 51-0294	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5)	269.62
26 01 50 51-0295	EA	20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/40KMOG-G7)	97.46
26 01 50 51-0296	EA	20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/50KMOG-G7)	97.46
26 01 50 51-0297	EA	30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/40KMOG-G7)	110.84
26 01 50 51-0298	EA	30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/50KMOG-G7)	110.84
26 01 50 51-0299	EA	40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/40KMOG-G7)	118.89
26 01 50 51-0300	EA	40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/50KMOG-G7)	118.89
26 01 50 51-0301	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7)	75.88
26 01 50 51-0302	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7)	75.88
26 01 50 51-0303	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7)	85.96
26 01 50 51-0304	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7)	85.96

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

26 01 50 51-0305	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7)	92.57
26 01 50 51-0306	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7)	92.57
26 01 50 51-0307	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7)	102.51
26 01 50 51-0308	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7)	102.51
26 01 50 51-0309	EA	65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39)	186.30
26 01 50 51-0310	EA	80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39)	215.77
26 01 50 51-0311	EA	100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39)	257.73
26 01 50 51-0312	EA	120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39)	504.80
26 01 50 51-0313	EA	150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39)	476.58
26 01 50 51-0314	EA	200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39)	504.80
26 01 50 51-0315	EA	250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39)	506.99
26 01 50 51-0316	EA	24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A)	75.38
26 01 50 51-0317	EA	24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A)	75.38
26 01 50 51-0318	EA	24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A)	75.38
26 01 50 51-0319	EA	100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50)	224.70
26 01 50 51-0320	EA	115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D)	233.72
26 01 50 51-0321	EA	40 Watts, 120-277 Volts, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K)	176.08
26 01 50 51-0322	EA	100 Watts, 480 Volts, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K)	207.23
26 01 50 51-0323	EA	45 Watts, 120-277 Volts, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K)	92.01

26 01 50 51-0324 LED Tubes (Fluorescent Lamp Replacement) (26 01 50 51-0106)

26 01 50 51-0325	EA	2', 1,250 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	22.67
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.59
26 01 50 51-0326	EA	2', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K)	29.69
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.59
26 01 50 51-0327	EA	3', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K)	24.43
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.69
26 01 50 51-0328	EA	4', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K)	26.78
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.79
26 01 50 51-0329	EA	4', 2,200 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K)	29.41
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.79
26 01 50 51-0330	EA	4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN)	18.22
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.79
26 01 50 51-0331	EA	2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN)	17.62
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.59
26 01 50 51-0332	EA	2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF)	15.99
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.59
26 01 50 51-0333	EA	3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF)	16.24
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.69
26 01 50 51-0334	EA	4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF)	16.19
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.79
26 01 50 51-0335	EA	4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF)	16.82
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.79

26 01 50 51-0336 Filament LED Lamps (26 01 50 51-0106)

26 01 50 51-0337	EA	7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827)	18.66
26 01 50 51-0338	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R)	18.66
26 01 50 51-0339	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827)	17.58
26 01 50 51-0340	EA	4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A)	17.58
26 01 50 51-0341	EA	4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827)	19.31
26 01 50 51-0342	EA	4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A)	19.31
26 01 50 51-0343	EA	3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827)	15.43
26 01 50 51-0344	EA	3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26)	15.43
26 01 50 51-0345	EA	3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A)	16.08
26 01 50 51-0346	EA	3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)	20.81

26 01 50 51-0347 Other Lamps (26 01 50 51-0106)

26 01 50 51-0348	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)	17.41
26 01 50 51-0349	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM)	17.41
26 01 50 51-0350	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM)	17.41
26 01 50 51-0351	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1)	18.49
26 01 50 51-0352	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1)	18.49
26 01 50 51-0353	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1)	18.49

26 01 50 51-0354 Recycle Hazardous Lamps (26 01 50 51)

Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.

26 01 50 51-0355	EA	Recycle 2' Length Linear Fluorescent Lamps	0.96
26 01 50 51-0356	EA	Recycle 3' Length Linear Fluorescent Lamps	1.22
26 01 50 51-0357	EA	Recycle 4' Length Linear Fluorescent Lamps	1.49
26 01 50 51-0358	EA	Recycle 6' Length Linear Fluorescent Lamps	2.11
26 01 50 51-0359	EA	Recycle 8' Length Linear Fluorescent Lamps	2.65
26 01 50 51-0360	EA	Recycle Compact Fluorescent Lamps	2.44
26 01 50 51-0361	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	2.44
26 01 50 51-0362	EA	Recycle High Intensity Discharge (HID) Lamps	3.85

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 52 Ballasts And Accessories (26 01 50)			
26 01 50 52-0001	Lighting Ballasts (26 01 50 52) Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 52-0002	Fluorescent Ballasts (26 01 50 52-0001)		
26 01 50 52-0003	T5 Fluorescent Ballasts (26 01 50 52-0002)		
26 01 50 52-0004	T5 Fluorescent Electronic Ballasts (26 01 50 52-0003) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0005	14 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0006	EA 1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	58.25	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
	<i>For High Ballast Factor, Add</i>	3.25	
26 01 50 52-0007	EA 2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	61.26	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
	<i>For High Ballast Factor, Add</i>	3.25	
26 01 50 52-0008	21 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0009	EA 1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	58.25	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
	<i>For High Ballast Factor, Add</i>	3.25	
26 01 50 52-0010	EA 2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	61.26	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
	<i>For High Ballast Factor, Add</i>	3.25	
26 01 50 52-0011	28 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0012	EA 1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	58.25	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
	<i>For High Ballast Factor, Add</i>	3.25	
26 01 50 52-0013	EA 2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	61.26	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
	<i>For High Ballast Factor, Add</i>	3.25	
26 01 50 52-0014	35 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0015	EA 1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	58.25	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0016	EA 2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	61.26	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0017	54 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0018	EA 1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	58.19	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0019	EA 2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	61.20	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0020	EA 3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	83.63	18.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 01 50 52-0021	EA 4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	86.62	21.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0022	High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0003) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0023	12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0024	EA 1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	49.03	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0025	EA 2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	52.04	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0026	24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0027	EA 1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	63.77	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0028	EA 2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	66.78	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0029	39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0030	EA 1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	63.77	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0031	EA 2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	66.78	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0032	54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0033	EA 1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	49.03	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0034	EA 2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	52.04	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST
	26 01 50 52-0035			Dimming, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0003)</small>		
	26 01 50 52-0036			Step Dimming, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0035)</small> Note: Includes 120/277 Volt and normal ballast factor.		
	26 01 50 52-0037			28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast <small>(26 01 50 52-0036)</small>		
	26 01 50 52-0038	EA		2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast.....	66.07	15.02
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
	26 01 50 52-0039			Dimming To 5%, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0035)</small> Note: Includes 120/277 Volt and normal ballast factor.		
	26 01 50 52-0040			54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0039)</small>		
	26 01 50 52-0041	EA		1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	203.44	12.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
	26 01 50 52-0042	EA		2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	200.87	15.02
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
	26 01 50 52-0043			T8 Fluorescent Ballasts <small>(26 01 50 52-0002)</small>		
	26 01 50 52-0044			T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0043)</small> Note: Includes 120/277 Volt and low or normal ballast factor.		
	26 01 50 52-0045			17 Watt, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0044)</small>		
	26 01 50 52-0046	EA		1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	26.13	12.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
				<i>For High Ballast Factor, Add</i>	7.90	
	26 01 50 52-0047	EA		1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	45.13	12.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
				<i>For High Ballast Factor, Add</i>	5.20	
	26 01 50 52-0048	EA		2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	29.14	15.02
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
				<i>For High Ballast Factor, Add</i>	7.90	
	26 01 50 52-0049	EA		2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	48.14	15.02
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
				<i>For High Ballast Factor, Add</i>	5.20	
	26 01 50 52-0050	EA		3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	35.49	18.03
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
				<i>For High Ballast Factor, Add</i>	7.69	
	26 01 50 52-0051	EA		3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	54.08	18.03
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
				<i>For High Ballast Factor, Add</i>	4.42	
	26 01 50 52-0052	EA		4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	40.65	21.02
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
				<i>For High Ballast Factor, Add</i>	19.47	
	26 01 50 52-0053	EA		4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	59.34	21.02
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
				<i>For High Ballast Factor, Add</i>	11.37	
	26 01 50 52-0054			25 Watt, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0044)</small>		
	26 01 50 52-0055	EA		1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	26.13	12.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
				<i>For High Ballast Factor, Add</i>	7.90	
	26 01 50 52-0056	EA		1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	45.13	12.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
				<i>For High Ballast Factor, Add</i>	5.20	
	26 01 50 52-0057	EA		2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	29.14	15.02
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
				<i>For High Ballast Factor, Add</i>	7.90	
	26 01 50 52-0058	EA		2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	48.14	15.02
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
				<i>For High Ballast Factor, Add</i>	5.20	
	26 01 50 52-0059	EA		3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	35.49	18.03
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
				<i>For High Ballast Factor, Add</i>	7.69	
	26 01 50 52-0060	EA		3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	54.08	18.03
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
				<i>For High Ballast Factor, Add</i>	4.42	
	26 01 50 52-0061	EA		4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	40.65	21.02
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
				<i>For High Ballast Factor, Add</i>	19.47	
	26 01 50 52-0062	EA		4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	59.34	21.02
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
				<i>For High Ballast Factor, Add</i>	11.37	
	26 01 50 52-0063			28 Watt, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0044)</small>		
	26 01 50 52-0064	EA		1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	26.13	12.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
				<i>For High Ballast Factor, Add</i>	7.90	
	26 01 50 52-0065	EA		1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	45.13	12.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
				<i>For High Ballast Factor, Add</i>	5.20	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0066	EA	2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	29.14	15.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51		
		<i>For High Ballast Factor, Add</i>	7.90		
26 01 50 52-0067	EA	2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	48.14	15.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51		
		<i>For High Ballast Factor, Add</i>	5.20		
26 01 50 52-0068	EA	3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	35.49	18.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41		
		<i>For High Ballast Factor, Add</i>	7.69		
26 01 50 52-0069	EA	3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	54.08	18.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41		
		<i>For High Ballast Factor, Add</i>	4.42		
26 01 50 52-0070	EA	4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	40.65	21.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31		
		<i>For High Ballast Factor, Add</i>	19.47		
26 01 50 52-0071	EA	4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	59.34	21.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31		
		<i>For High Ballast Factor, Add</i>	11.37		
26 01 50 52-0072		32 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)			
26 01 50 52-0073	EA	1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	26.13	12.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60		
		<i>For High Ballast Factor, Add</i>	7.90		
26 01 50 52-0074	EA	1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	45.13	12.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60		
		<i>For High Ballast Factor, Add</i>	5.20		
26 01 50 52-0075	EA	2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	29.14	15.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51		
		<i>For High Ballast Factor, Add</i>	7.90		
26 01 50 52-0076	EA	2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	48.14	15.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51		
		<i>For High Ballast Factor, Add</i>	5.20		
26 01 50 52-0077	EA	3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	35.49	18.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41		
		<i>For High Ballast Factor, Add</i>	7.69		
26 01 50 52-0078	EA	3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	54.08	18.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41		
		<i>For High Ballast Factor, Add</i>	4.42		
26 01 50 52-0079	EA	4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	40.65	21.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31		
		<i>For High Ballast Factor, Add</i>	19.47		
26 01 50 52-0080	EA	4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	59.34	21.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31		
		<i>For High Ballast Factor, Add</i>	11.37		
26 01 50 52-0081		40 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)			
26 01 50 52-0082	EA	1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	41.11	12.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60		
		<i>For High Ballast Factor, Add</i>	3.38		
26 01 50 52-0083	EA	1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	45.13	12.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60		
		<i>For High Ballast Factor, Add</i>	5.20		
26 01 50 52-0084	EA	2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	44.12	15.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51		
		<i>For High Ballast Factor, Add</i>	3.38		
26 01 50 52-0085	EA	2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	48.14	15.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51		
		<i>For High Ballast Factor, Add</i>	5.20		
26 01 50 52-0086	EA	3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	55.05	18.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41		
		<i>For High Ballast Factor, Add</i>	2.08		
26 01 50 52-0087	EA	3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	54.08	18.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41		
26 01 50 52-0088	EA	4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	58.04	21.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31		
		<i>For High Ballast Factor, Add</i>	2.08		
26 01 50 52-0089	EA	4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	59.34	21.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31		
26 01 50 52-0090		96 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)			
26 01 50 52-0091	EA	1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	49.03	12.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60		
		<i>For High Ballast Factor, Add</i>	7.24		
26 01 50 52-0092	EA	2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	52.04	15.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51		
		<i>For High Ballast Factor, Add</i>	7.24		
26 01 50 52-0093		High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0043)			
		Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0094		48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)			
26 01 50 52-0095	EA	1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	59.23	12.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60		
26 01 50 52-0096	EA	1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	76.84	12.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0097	EA	2 Lamp,	48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.24 4.51	15.02
26 01 50 52-0098	EA	2 Lamp,	48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.85 4.51	15.02
26 01 50 52-0099			60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0093)</small>		
26 01 50 52-0100	EA	1 Lamp,	60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.23 3.60	12.01
26 01 50 52-0101	EA	1 Lamp,	60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.84 3.60	12.01
26 01 50 52-0102	EA	2 Lamp,	60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.24 4.51	15.02
26 01 50 52-0103	EA	2 Lamp,	60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.85 4.51	15.02
26 01 50 52-0104			72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0093)</small>		
26 01 50 52-0105	EA	1 Lamp,	72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.23 3.60	12.01
26 01 50 52-0106	EA	1 Lamp,	72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.84 3.60	12.01
26 01 50 52-0107	EA	2 Lamp,	72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.24 4.51	15.02
26 01 50 52-0108	EA	2 Lamp,	72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.85 4.51	15.02
26 01 50 52-0109			96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0093)</small>		
26 01 50 52-0110	EA	1 Lamp,	96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.23 3.60	12.01
26 01 50 52-0111	EA	1 Lamp,	96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.84 3.60	12.01
26 01 50 52-0112	EA	2 Lamp,	96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.24 4.51	15.02
26 01 50 52-0113	EA	2 Lamp,	96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.85 4.51	15.02
26 01 50 52-0114			Dimming, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0043)</small>		
26 01 50 52-0115			Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0114)</small> Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0116			17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0115)</small>		
26 01 50 52-0117	EA	1 Lamp,	17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.71 3.60	12.01
26 01 50 52-0118	EA	2 Lamp,	17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.72 4.51	15.02
26 01 50 52-0119	EA	3 Lamp,	17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.66 5.41	18.03
26 01 50 52-0120	EA	4 Lamp,	17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.16 6.31	21.02
26 01 50 52-0121	EA	5 Lamp,	17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.11 7.21	24.03
26 01 50 52-0122	EA	6 Lamp,	17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.12 8.11	27.04
26 01 50 52-0123			25 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0115)</small>		
26 01 50 52-0124	EA	1 Lamp,	25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.71 3.60	12.01
26 01 50 52-0125	EA	2 Lamp,	25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.72 4.51	15.02
26 01 50 52-0126	EA	3 Lamp,	25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.66 5.41	18.03
26 01 50 52-0127	EA	4 Lamp,	25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.16 6.31	21.02
26 01 50 52-0128	EA	5 Lamp,	25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.11 7.21	24.03
26 01 50 52-0129	EA	6 Lamp,	25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.12 8.11	27.04
26 01 50 52-0130			28 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0115)</small>		
26 01 50 52-0131	EA	1 Lamp,	28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.71 3.60	12.01
26 01 50 52-0132	EA	2 Lamp,	28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.72 4.51	15.02
26 01 50 52-0133	EA	3 Lamp,	28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.66 5.41	18.03
26 01 50 52-0134	EA	4 Lamp,	28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.16 6.31	21.02
26 01 50 52-0135	EA	5 Lamp,	28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.11 7.21	24.03

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 01 50 52-0175	EA		2 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.72 4.51	15.02
	26 01 50 52-0176	EA		3 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.36 5.41	18.03
	26 01 50 52-0177	EA		4 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.16 6.31	21.02
	26 01 50 52-0178	EA		5 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.96 7.21	24.03
	26 01 50 52-0179	EA		6 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.97 8.11	27.04
26 01 50 52-0180				40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0151)		
	26 01 50 52-0181	EA		1 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.71 3.60	12.01
	26 01 50 52-0182	EA		2 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.72 4.51	15.02
	26 01 50 52-0183	EA		3 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.36 5.41	18.03
	26 01 50 52-0184	EA		4 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.16 6.31	21.02
	26 01 50 52-0185	EA		5 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.96 7.21	24.03
	26 01 50 52-0186	EA		6 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.97 8.11	27.04
26 01 50 52-0187				Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0114) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0188				17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
	26 01 50 52-0189	EA		1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.74 3.60	12.01
	26 01 50 52-0190	EA		2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.75 4.51	15.02
	26 01 50 52-0191	EA		3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.51 5.41	18.03
	26 01 50 52-0192	EA		4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.50 6.31	21.02
26 01 50 52-0193				25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
	26 01 50 52-0194	EA		1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.74 3.60	12.01
	26 01 50 52-0195	EA		2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.75 4.51	15.02
	26 01 50 52-0196	EA		3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.51 5.41	18.03
	26 01 50 52-0197	EA		4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.50 6.31	21.02
26 01 50 52-0198				28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
	26 01 50 52-0199	EA		1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.74 3.60	12.01
	26 01 50 52-0200	EA		2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.75 4.51	15.02
	26 01 50 52-0201	EA		3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.51 5.41	18.03
	26 01 50 52-0202	EA		4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.50 6.31	21.02
26 01 50 52-0203				32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
	26 01 50 52-0204	EA		1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.74 3.60	12.01
	26 01 50 52-0205	EA		2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.75 4.51	15.02
	26 01 50 52-0206	EA		3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.51 5.41	18.03
	26 01 50 52-0207	EA		4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.50 6.31	21.02
26 01 50 52-0208				T10 Fluorescent Ballasts (26 01 50 52-0002)		
26 01 50 52-0209				T10 Fluorescent Electronic Ballasts (26 01 50 52-0208) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0210				40 Watt, T10 Fluorescent Electronic Ballasts (26 01 50 52-0209)		
	26 01 50 52-0211	EA		1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.56 3.60	12.01
	26 01 50 52-0212	EA		2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.57 4.51	15.02
	26 01 50 52-0213	EA		3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.49 5.41	18.03

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 01 50 52-0214	T12 Fluorescent Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0215	T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0214)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0216	25 Watt, T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0215)</small>		
26 01 50 52-0217	EA 1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast.....	26.13	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0218	EA 1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	36.56	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0219	EA 2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast.....	29.14	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0220	EA 2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	39.57	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0221	EA 3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast.....	35.49	18.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 01 50 52-0222	EA 4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast.....	40.65	21.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0223	30 Watt, T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0215)</small>		
26 01 50 52-0224	EA 1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	36.56	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0225	EA 2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	39.57	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0226	EA 3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	48.49	18.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 01 50 52-0227	34 Watt, T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0215)</small>		
26 01 50 52-0228	EA 1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	36.56	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0229	EA 2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	39.57	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0230	EA 3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	48.49	18.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 01 50 52-0231	40 Watt, T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0215)</small>		
26 01 50 52-0232	EA 1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	36.56	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0233	EA 2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	39.57	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0234	EA 3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	48.49	18.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 01 50 52-0235	96 Watt, T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0215)</small>		
26 01 50 52-0236	EA 1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	45.59	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0237	EA 2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	52.04	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0238	High-Output, T12HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0214)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0239	48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0238)</small>		
26 01 50 52-0240	EA 1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	59.42	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0241	EA 2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	62.43	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0242	60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0238)</small>		
26 01 50 52-0243	EA 1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	59.42	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0244	EA 2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	62.43	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0245	72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0238)</small>		
26 01 50 52-0246	EA 1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	59.42	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0247	EA 2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	62.43	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0248	96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0238)</small>		
26 01 50 52-0249	EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	59.42	12.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0250	EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	62.43	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	

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

26 01 50 52-0251		Emergency Fluorescent Ballasts <small>(26 01 50 52-0002)</small> Note: 120/277 Volt.		
	EA	One Lamp, 350-450 Lumens, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100).....	93.42	12.01
		<i>For Factory Installation In New Fixtures, Deduct</i>	-24.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
	EA	Two Lamp, 600-700 Lumens, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60).....	153.36	15.02
		<i>For Factory Installation In New Fixtures, Deduct</i>	-25.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
	EA	One Or Two Lamp, 1,100-1,400 Lumens, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50).....	190.39	15.02
		<i>For Factory Installation In New Fixtures, Deduct</i>	-25.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
	EA	One Or Two Lamp, 600-700 Lumens, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A).....	140.98	15.02
		<i>For Factory Installation In New Fixtures, Deduct</i>	-25.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
	EA	Two Or Three Lamp, 2,700-3,400 Lumens, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33).....	658.79	18.03
		<i>For Factory Installation In New Fixtures, Deduct</i>	-26.43	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.93	
	EA	One Lamp, 225-450 Lumens, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54).....	193.08	12.01
		<i>For Factory Installation In New Fixtures, Deduct</i>	-24.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
	EA	One Or Two Lamp, 325-1,000 Lumens, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG).....	323.22	15.02
		<i>For Factory Installation In New Fixtures, Deduct</i>	-25.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
	EA	One Or Two Lamp, 300-750 Lumens, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG).....	178.19	15.02
		<i>For Factory Installation In New Fixtures, Deduct</i>	-25.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
	EA	One Lamp, 200-625 Lumens, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413).....	242.71	12.01
		<i>For Factory Installation In New Fixtures, Deduct</i>	-24.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
	EA	One Lamp, 300-650 Lumens, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463).....	188.35	12.01
		<i>For Factory Installation In New Fixtures, Deduct</i>	-24.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
	EA	One Or Two Lamp, 450-950 Lumens, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426).....	212.69	15.02
		<i>For Factory Installation In New Fixtures, Deduct</i>	-25.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
	EA	One Or Two Lamp, 1,100-1,400 Lumens, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500).....	230.11	15.02
		<i>For Factory Installation In New Fixtures, Deduct</i>	-25.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
	EA	Two Lamp, 600-700 Lumens, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600).....	193.78	15.02
		<i>For Factory Installation In New Fixtures, Deduct</i>	-25.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
	EA	One Lamp, 600-700 Lumens, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700).....	196.69	12.01
		<i>For Factory Installation In New Fixtures, Deduct</i>	-24.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
	EA	One Lamp, 500-600 Lumens, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900).....	171.50	12.01
		<i>For Factory Installation In New Fixtures, Deduct</i>	-24.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
	EA	One Or Two Lamp, 300-750 Lumens, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C).....	178.19	15.02
		<i>For Factory Installation In New Fixtures, Deduct</i>	-25.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
	EA	One Lamp, 450 Lumens, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400).....	174.22	12.01
		<i>For Factory Installation In New Fixtures, Deduct</i>	-24.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
	EA	One Or Two Lamp, 1,100-1,400 Lumens, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST).....	318.15	15.02
		<i>For Factory Installation In New Fixtures, Deduct</i>	-25.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
	EA	One Or Two Lamp, 1,800-3,500 Lumens, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST).....	397.61	15.02
		<i>For Factory Installation In New Fixtures, Deduct</i>	-25.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
	EA	One Or Two Lamp, 1,450-3,500 Lumens, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT).....	743.24	15.02
		<i>For Factory Installation In New Fixtures, Deduct</i>	-25.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
	EA	One Or Two Lamp, 1,100-1,400 Lumens, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT).....	516.57	15.02
		<i>For Factory Installation In New Fixtures, Deduct</i>	-25.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
	EA	One Or Two Lamp, 1,100-3,100 Lumens, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48).....	263.14	15.02
		<i>For Factory Installation In New Fixtures, Deduct</i>	-25.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
	EA	One Lamp, 1,050-3,200 Lumens, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1).....	340.82	12.01
		<i>For Factory Installation In New Fixtures, Deduct</i>	-24.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0275	EA		250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD).....	1,902.90	15.02
			<i>For Factory Installation In New Fixtures, Deduct</i>	-24.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
26 01 50 52-0276			LED Emergency Ballasts (26 01 50 52-0001)		
26 01 50 52-0277	EA		Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L).....	120.50	12.01
			<i>For Factory Installation In New Fixtures, Deduct</i>	-24.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
26 01 50 52-0278	EA		Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST).....	140.65	12.01
			<i>For Factory Installation In New Fixtures, Deduct</i>	-24.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
26 01 50 52-0279	EA		Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C).....	164.78	12.01
			<i>For Factory Installation In New Fixtures, Deduct</i>	-24.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
26 01 50 52-0280	EA		Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310).....	156.12	12.01
			<i>For Factory Installation In New Fixtures, Deduct</i>	-24.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
26 01 50 52-0281	EA		Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718).....	280.80	12.01
			<i>For Factory Installation In New Fixtures, Deduct</i>	-24.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
26 01 50 52-0282	EA		Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV).....	265.31	12.01
			<i>For Factory Installation In New Fixtures, Deduct</i>	-24.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
26 01 50 52-0283	EA		Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ).....	252.00	12.01
			<i>For Factory Installation In New Fixtures, Deduct</i>	-24.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21	
26 01 50 52-0284			Compact Fluorescent Ballasts (26 01 50 52-0001)		
26 01 50 52-0285			Compact Fluorescent Electronic Ballasts (26 01 50 52-0284) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0286			18 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0287	EA		1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	55.14	12.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0288	EA		2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	58.15	15.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0289			26 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0290	EA		1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	55.14	12.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0291	EA		2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	58.15	15.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0292			32 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0293	EA		1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	68.19	12.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0294	EA		2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	71.20	15.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0295			40 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0296	EA		1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	53.58	12.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0297	EA		1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	68.19	12.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0298	EA		2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	100.44	15.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0299	EA		2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	71.20	15.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0300	EA		3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	118.73	18.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 01 50 52-0301			42 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0302	EA		1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	68.19	12.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0303	EA		2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	71.20	15.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0304			55 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0305	EA		1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	68.19	12.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0306	EA		2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	71.20	15.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

26 01 50 52-0307	Dimming, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0284)</small>		
26 01 50 52-0308	Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0307)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0309	18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0310	EA 1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.57 3.60	12.01
26 01 50 52-0311	EA 2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.58 4.51	15.02
26 01 50 52-0312	26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0313	EA 1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.57 3.60	12.01
26 01 50 52-0314	EA 2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.58 4.51	15.02
26 01 50 52-0315	32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0316	EA 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.57 3.60	12.01
26 01 50 52-0317	EA 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.79 4.51	15.02
26 01 50 52-0318	40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0319	EA 2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.79 4.51	15.02
26 01 50 52-0320	42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0321	EA 1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.57 3.60	12.01
26 01 50 52-0322	EA 2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.79 4.51	15.02
26 01 50 52-0323	55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0324	EA 1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.97 3.60	12.01
26 01 50 52-0325	EA 2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	181.94 4.51	15.02
26 01 50 52-0326	High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0001)</small>		
26 01 50 52-0327	Magnetic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0326)</small>		
26 01 50 52-0328	Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0327)</small>		
26 01 50 52-0329	Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0328)</small>		
26 01 50 52-0330	EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.07 6.31	15.02
26 01 50 52-0331	EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.79 6.31	15.02
26 01 50 52-0332	EA 1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.79 6.31	15.02
26 01 50 52-0333	EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.58 6.31	15.02
26 01 50 52-0334	EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.58 6.31	15.02
26 01 50 52-0335	EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.91 6.31	15.02
26 01 50 52-0336	EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.91 6.31	15.02
26 01 50 52-0337	EA 1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	197.59 6.31	15.02
26 01 50 52-0338	EA 1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	220.89 6.31	15.02
26 01 50 52-0339	High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0328)</small>		
26 01 50 52-0340	EA 1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.33 6.31	15.02
26 01 50 52-0341	EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.41 6.31	15.02
26 01 50 52-0342	EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.78 6.31	15.02
26 01 50 52-0343	EA 1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.05 6.31	15.02

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 01 50 52-0344	EA 1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.44 6.31	15.02
26 01 50 52-0345	EA 1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.39 6.31	15.02
26 01 50 52-0346	EA 1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.39 6.31	15.02
26 01 50 52-0347	EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.58 6.31	15.02
26 01 50 52-0348	EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.58 6.31	15.02
26 01 50 52-0349	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	257.51 6.31	15.02
26 01 50 52-0350	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	257.51 6.31	15.02
26 01 50 52-0351	Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0328)</small>		
26 01 50 52-0352	EA Single Mounting Bracket For Core And Coil Type <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.09 1.80	
26 01 50 52-0353	EA Double Mounting Bracket For Core And Coil Type <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.19 2.70	
26 01 50 52-0354	F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0327)</small>		
26 01 50 52-0355	Metal Halide, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0354)</small>		
26 01 50 52-0356	EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.01 11.40 6.31	15.02
26 01 50 52-0357	EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.55 12.15 6.31	15.02
26 01 50 52-0358	EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.30 10.83 6.31	15.02
26 01 50 52-0359	EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.07 13.01 6.31	15.02
26 01 50 52-0360	EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	212.08 19.11 6.31	15.02
26 01 50 52-0361	High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0354)</small>		
26 01 50 52-0362	EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.58 6.31	15.02
26 01 50 52-0363	EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.33 6.31	15.02
26 01 50 52-0364	Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0327)</small>		
26 01 50 52-0365	Metal Halide, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0364)</small>		
26 01 50 52-0366	EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	276.25 6.31	15.02
26 01 50 52-0367	High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0364)</small>		
26 01 50 52-0368	EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	452.53 13.40	31.90
26 01 50 52-0369	EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	502.64 13.40	31.90
26 01 50 52-0370	EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	485.30 13.40	31.90
26 01 50 52-0371	Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0327)</small>		
26 01 50 52-0372	Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0371)</small>		
26 01 50 52-0373	EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	341.52 6.31	15.02
26 01 50 52-0374	EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	388.43 6.31	15.02
26 01 50 52-0375	EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	514.96 6.31	15.02
26 01 50 52-0376	EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	512.23 6.31	15.02
26 01 50 52-0377	EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	719.75 6.67	16.22
26 01 50 52-0378	EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	719.75 6.67	16.22
26 01 50 52-0379	EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	493.62 6.31	15.02
26 01 50 52-0380	EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	581.80 6.31	15.02

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

26 01 50 52-0381	High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0371)</small>		
26 01 50 52-0382	EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	642.43	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0383	EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	611.36	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0384	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	787.56	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0385	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	787.56	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0386	Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0327)</small>		
26 01 50 52-0387	Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0386)</small>		
26 01 50 52-0388	EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	384.51	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0389	EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	415.82	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0390	EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	412.74	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0391	EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	433.72	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0392	EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	692.39	16.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.67	
26 01 50 52-0393	EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	852.59	16.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.67	
26 01 50 52-0394	EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	646.08	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0395	EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	587.67	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0396	High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0386)</small>		
26 01 50 52-0397	EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	498.13	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0398	EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	537.63	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0399	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	805.79	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0400	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	692.49	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0401	Electronic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0326)</small>		
26 01 50 52-0402	Electronic Low Frequency High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0401)</small>		
26 01 50 52-0403	EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	150.03	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0404	EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	150.03	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0405	EA 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	169.82	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0406	EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	447.22	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0407	EA 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	447.22	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0408	EA 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	447.22	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0409	EA 1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	447.22	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0410	EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	447.22	15.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0411	Owner Supplied Ballasts <small>(26 01 50 52-0001)</small>		
26 01 50 52-0412	EA Install Owner Supplied, 1 Lamp Fluorescent Ballast.....	12.01	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 01 50 52-0413	EA Install Owner Supplied, 2 Lamp Fluorescent Ballast.....	15.02	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 01 50 52-0414	EA Install Owner Supplied, 3 Lamp Fluorescent Ballast.....	17.42	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.23	
26 01 50 52-0415	EA Install Owner Supplied, 4 Lamp Fluorescent Ballast.....	18.62	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.59	
26 01 50 52-0416	EA Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast.....	21.02	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 01 50 52-0417	EA Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast.....	22.23	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.67	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 52-0418	Retrofit Lighting Fixtures <small>(26 01 50 52)</small>		
26 01 50 52-0419	Retrofit Existing (T12) Fluorescent Fixtures <small>(26 01 50 52-0418)</small> Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0354 for hazardous lamp recycling.		
26 01 50 52-0420	Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector <small>(26 01 50 52-0419)</small> Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0421	EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp.....	77.90	
	<i>For Specular Ballast Cover, Add</i>	6.65	
26 01 50 52-0422	EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	82.26	
	<i>For Specular Ballast Cover, Add</i>	7.52	
26 01 50 52-0423	EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	105.09	
	<i>For Specular Ballast Cover, Add</i>	12.09	
26 01 50 52-0424	EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps.....	117.97	
	<i>For Specular Ballast Cover, Add</i>	14.66	
26 01 50 52-0425	Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector <small>(26 01 50 52-0419)</small> Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0426	EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp.....	81.26	
	<i>For Specular Reflector, Add</i>	7.32	
26 01 50 52-0427	EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	86.02	
	<i>For Specular Reflector, Add</i>	8.27	
26 01 50 52-0428	EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	109.79	
	<i>For Specular Reflector, Add</i>	13.03	
26 01 50 52-0429	EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps.....	132.81	
	<i>For Specular Reflector, Add</i>	17.63	
26 01 50 52-0430	Retrofit Existing (T12) Troffer Style Fluorescent Fixtures <small>(26 01 50 52-0419)</small> Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0431	EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps.....	102.76	
	<i>For Specular Reflector, Add</i>	9.07	
26 01 50 52-0432	EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps.....	107.12	
	<i>For Specular Reflector, Add</i>	9.94	
26 01 50 52-0433	EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps.....	107.40	
	<i>For Specular Reflector, Add</i>	10.00	
26 01 50 52-0434	EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps.....	116.58	
	<i>For Specular Reflector, Add</i>	11.83	
26 01 50 52-0435	EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps.....	134.06	
	<i>For Specular Reflector, Add</i>	15.33	
26 01 50 52-0436	EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps.....	111.15	
	<i>For Specular Reflector, Add</i>	10.75	
26 01 50 52-0437	EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps.....	119.51	
	<i>For Specular Reflector, Add</i>	12.42	
26 01 50 52-0438	EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps.....	126.71	
	<i>For Specular Reflector, Add</i>	13.86	
26 01 50 52-0439	Retrofit Existing Recessed Lay-In/Troffer Fixtures <small>(26 01 50 52-0418)</small>		
26 01 50 52-0440	Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) <small>(26 01 50 52-0439)</small> Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0354 for disposal of hazardous lamps.		
26 01 50 52-0441	EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	178.07	
26 01 50 52-0442	EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	178.07	
26 01 50 52-0443	EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	178.07	
26 01 50 52-0444	EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	194.28	
26 01 50 52-0445	EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	178.07	
26 01 50 52-0446	EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	178.07	
26 01 50 52-0447	EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	178.07	
26 01 50 52-0448	EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	194.28	
26 01 50 52-0449	EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	178.48	
26 01 50 52-0450	EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	178.48	
26 01 50 52-0451	EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	178.48	
26 01 50 52-0452	EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	194.68	
26 01 50 52-0453	EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	178.48	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 01 50 52-0454	EA		2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	178.48	
	26 01 50 52-0455	EA		2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	178.48	
	26 01 50 52-0456	EA		2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	194.68	
26 01 50 52-0457				LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) <small>(26 01 50 52-0439)</small> Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0354 for disposal of hazardous lamps.		
	26 01 50 52-0458	EA		2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025).....	255.85	
	26 01 50 52-0459	EA		4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045).....	266.88	
26 01 50 52-0460				LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) <small>(26 01 50 52-0439)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0354 for disposal of hazardous lamps.		
	26 01 50 52-0461	EA		1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L).....	221.35	
	26 01 50 52-0462	EA		2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L).....	226.04	
	26 01 50 52-0463	EA		2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L).....	221.35	
	26 01 50 52-0464	EA		3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L).....	226.04	
	26 01 50 52-0465	EA		3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L).....	249.46	
	26 01 50 52-0466	EA		4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L).....	256.48	
	26 01 50 52-0467	EA		5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L).....	272.88	
26 01 50 52-0468				LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) <small>(26 01 50 52-0439)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0354 for disposal of hazardous lamps.		
	26 01 50 52-0469	EA		3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	207.02	
	26 01 50 52-0470	EA		3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	213.56	
	26 01 50 52-0471	EA		3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	215.51	
	26 01 50 52-0472	EA		3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	222.05	
	26 01 50 52-0473	EA		2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST).....	162.92	
	26 01 50 52-0474	EA		4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST).....	166.03	
	26 01 50 52-0475	EA		3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST).....	170.99	
	26 01 50 52-0476	EA		4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST).....	174.09	
	26 01 50 52-0477	EA		6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST).....	208.85	
	26 01 50 52-0478	EA		8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST).....	243.60	
26 01 50 52-0479				Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) <small>(26 01 50 52-0439)</small> Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0354 for disposal of hazardous lamps.		
	26 01 50 52-0480	EA		1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	179.49	
	26 01 50 52-0481	EA		1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	143.52	
	26 01 50 52-0482	EA		2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	183.14	
	26 01 50 52-0483	EA		2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	147.06	
	26 01 50 52-0484	EA		3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	190.30	
	26 01 50 52-0485	EA		3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	156.87	
	26 01 50 52-0486	EA		1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	208.83	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 52-0487	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	172.73	
26 01 50 52-0488	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	212.29	
26 01 50 52-0489	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	176.14	
26 01 50 52-0490	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	219.46	
26 01 50 52-0491	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	185.97	
26 01 50 52-0492		LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) <small>(26 01 50 52-0439)</small>		
		Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0354 for disposal of hazardous lamps.		
26 01 50 52-0493	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT).....	385.75	
26 01 50 52-0494	EA	4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT).....	425.65	
26 01 50 52-0495		Retrofit Existing HID Fixtures <small>(26 01 50 52-0418)</small>		
26 01 50 52-0496	EA	Tear Drop LED Retrofit Kit (Holophane LTDR2L2 P35S 40K AS BK TDRD 3 P).....	864.45	

26 01 50 53 Lens and Accessory Replacement (26 01 50)

26 01 50 53-0001	EA	Parabolic Aluminum Louver Replacement.....	113.10	
26 01 50 53-0002	EA	Visor For Fixtures.....	227.02	
26 01 50 53-0003	EA	Replace Globe On Pole.....	275.78	
26 01 50 53-0004	EA	Replace Lenses For Flat Top Pole Fixtures.....	106.81	
26 01 50 53-0005	EA	Replace 1' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	35.24	
26 01 50 53-0006	EA	Replace 2' x 2' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	36.81	
26 01 50 53-0007	EA	Replace 2' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	43.59	
26 01 50 53-0008	EA	Replace Slide-On Lampholder.....	15.21	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 01 50 53-0009	EA	Replace Screw Mount Lampholder.....	15.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 01 50 53-0010	EA	Replace Medium Bi-Pin Lampholder.....	17.52	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 01 50 53-0011	EA	Replace Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	20.70	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 01 50 53-0012	EA	Replace Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	22.77	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 01 50 53-0013	EA	Replace Compact Twin-Tube Lampholder, Snap-in.....	17.21	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 01 50 53-0014	EA	Replace Exterior Light Globes.....	57.28	

26 05 Common Work Results For Electrical (26)**26 05 13 Medium-Voltage Cables** (26 05)

26 05 13 00-0001		Wire And Cable <small>(26 05 13)</small>		
		Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 13 00-0002		5 KV Cable <small>(26 05 13 00-0001)</small>		
26 05 13 00-0003		Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct <small>(26 05 13 00-0002)</small>		
26 05 13 00-0004	MLF	#6 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	3,260.59	932.11
26 05 13 00-0005	MLF	#4 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	3,802.23	1,017.77
26 05 13 00-0006	MLF	#2 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	4,494.52	1,149.92
26 05 13 00-0007	MLF	#1/0 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	5,781.80	1,416.75
26 05 13 00-0008	MLF	#2/0 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	6,573.13	1,595.40
26 05 13 00-0009	MLF	#3/0 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	7,942.34	1,770.84
26 05 13 00-0010	MLF	#4/0 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	8,937.53	1,989.73
26 05 13 00-0011	MLF	250 MCM Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	10,510.33	2,213.65
26 05 13 00-0012	MLF	350 MCM Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	12,294.01	2,643.05
26 05 13 00-0013	MLF	500 MCM Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	15,348.67	3,106.85
26 05 13 00-0014	MLF	750 MCM Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	22,220.96	3,661.75
26 05 13 00-0015	MLF	1,000 MCM Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	29,099.10	4,216.39

26 05 13 00-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial (26 05 13 00-0002)

Note: Excludes excavation.

26 05 13 00-0017	MLF	#6 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,144.08	
26 05 13 00-0018	MLF	#4 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,471.47	
26 05 13 00-0019	MLF	#2 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,833.33	
26 05 13 00-0020	MLF	#1/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,672.57	
26 05 13 00-0021	MLF	#2/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	5,017.19	
26 05 13 00-0022	MLF	#3/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	6,166.15	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-------------	------------------------	----------------------

26 05 13 00-0023	MLF #4/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	6,614.15	
26 05 13 00-0024	MLF 250 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	7,851.12	
26 05 13 00-0025	MLF 350 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	8,677.58	
26 05 13 00-0026	MLF 500 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	10,677.59	

26 05 13 00-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) (26 05 13 00-0002)

26 05 13 00-0028	MLF #6 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	2,467.66	595.63
26 05 13 00-0029	MLF #4 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	2,906.32	638.63
26 05 13 00-0030	MLF #2 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	3,704.03	807.61
26 05 13 00-0031	MLF #1/0 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	4,770.38	980.42
26 05 13 00-0032	MLF #2/0 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	5,555.06	1,150.92
26 05 13 00-0033	MLF #3/0 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	6,912.22	1,316.19
26 05 13 00-0034	MLF #4/0 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	7,904.63	1,527.15
26 05 13 00-0035	MLF 250 MCM Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	9,934.98	1,921.26
26 05 13 00-0036	MLF 350 MCM Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	11,960.45	2,430.99
26 05 13 00-0037	MLF 500 MCM Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	15,464.64	3,054.31

26 05 13 00-0038 5 KV Non-Shielded Single Copper Conductor (26 05 13 00-0002)

26 05 13 00-0039	MLF #1/0 AWG Cable, 5 KV, Non-Shielded, Single Copper Conductor	6,969.51	1,857.58
26 05 13 00-0040	MLF #3/0 AWG Cable, 5 KV, Non-Shielded, Single Copper Conductor	8,731.05	1,910.97
26 05 13 00-0041	MLF #4/0 AWG Cable, 5 KV, Non-Shielded, Single Copper Conductor	9,069.00	1,953.19
26 05 13 00-0042	MLF 350 MCM Cable, 5 KV, Non-Shielded, Single Copper Conductor	10,634.36	2,027.71
26 05 13 00-0043	MLF 500 MCM Cable, 5 KV, Non-Shielded, Single Copper Conductor	14,614.97	2,125.07
26 05 13 00-0044	MLF 750 MCM Cable, 5 KV, Non-Shielded, Single Copper Conductor	22,144.68	2,656.34
26 05 13 00-0045	MLF 1,000 MCM Cable, 5 KV, Non-Shielded, Single Copper Conductor	25,908.66	3,541.82

26 05 13 00-0046 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct (26 05 13 00-0002)

26 05 13 00-0047	MLF #6 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	3,428.08	932.11
26 05 13 00-0048	MLF #4 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	4,028.65	1,017.77
26 05 13 00-0049	MLF #2 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	4,786.07	1,149.92
26 05 13 00-0050	MLF #1 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	5,485.36	1,283.27
26 05 13 00-0051	MLF #1/0 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	6,185.00	1,416.75
26 05 13 00-0052	MLF #2/0 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	7,038.36	1,595.40
26 05 13 00-0053	MLF #3/0 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	8,575.06	1,770.84
26 05 13 00-0054	MLF #4/0 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	9,650.90	1,989.73
26 05 13 00-0055	MLF 250 MCM Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	11,406.06	2,213.65
26 05 13 00-0056	MLF 350 MCM Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	13,317.53	2,643.05
26 05 13 00-0057	MLF 500 MCM Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	16,713.36	3,106.85
26 05 13 00-0058	MLF 750 MCM Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	24,573.54	3,661.75
26 05 13 00-0059	MLF 1,000 MCM Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	32,439.55	4,216.39

26 05 13 00-0060 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial (26 05 13 00-0002)

Note: Excludes excavation.

26 05 13 00-0061	MLF #6 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,311.57	
26 05 13 00-0062	MLF #4 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,697.89	
26 05 13 00-0063	MLF #2 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,124.88	
26 05 13 00-0064	MLF #1 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,600.83	
26 05 13 00-0065	MLF #1/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,075.77	
26 05 13 00-0066	MLF #2/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,482.43	
26 05 13 00-0067	MLF #3/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	6,798.87	
26 05 13 00-0068	MLF #4/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	7,327.52	
26 05 13 00-0069	MLF 250 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	8,746.86	
26 05 13 00-0070	MLF 350 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	9,701.10	
26 05 13 00-0071	MLF 500 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	12,042.28	

26 05 13 00-0072 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) (26 05 13 00-0002)

26 05 13 00-0073	MLF #6 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	2,635.15	595.63
26 05 13 00-0074	MLF #4 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	3,132.74	638.63
26 05 13 00-0075	MLF #2 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	3,995.58	807.61
26 05 13 00-0076	MLF #1 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	4,583.02	893.37
26 05 13 00-0077	MLF #1/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	5,173.58	980.42
26 05 13 00-0078	MLF #2/0 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	6,020.29	1,150.92
26 05 13 00-0079	MLF #3/0 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	7,544.94	1,316.19
26 05 13 00-0080	MLF #4/0 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	8,618.00	1,527.15
26 05 13 00-0081	MLF 250 MCM Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	10,830.72	1,921.26
26 05 13 00-0082	MLF 350 MCM Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	12,983.97	2,430.99
26 05 13 00-0083	MLF 500 MCM Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	16,829.33	3,054.31

26 05 13 00-0084 15 KV Cable (26 05 13 00-0001)

26 05 13 00-0085 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0084)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0086			Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct (26 05 13 00-0085)		
26 05 13 00-0087	MLF		#4 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,474.81	1,857.58
26 05 13 00-0088	MLF		#2 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,847.27	1,857.58
26 05 13 00-0089	MLF		#1 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,989.33	1,857.58
26 05 13 00-0090	MLF		#1/0 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,452.14	1,857.58
26 05 13 00-0091	MLF		#2/0 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,891.41	1,857.58
26 05 13 00-0092	MLF		#3/0 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,832.15	1,938.99
26 05 13 00-0093	MLF		#4/0 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,004.72	1,938.99
26 05 13 00-0094	MLF		250 MCM, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,168.04	2,027.71
26 05 13 00-0095	MLF		350 MCM, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,298.74	2,075.26
26 05 13 00-0096	MLF		500 MCM, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	13,703.78	2,337.57
26 05 13 00-0097			Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 00-0085)		
			Note: Excludes excavation.		
26 05 13 00-0098	MLF		#1 AWG, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,991.15	
26 05 13 00-0099	MLF		#1/0 AWG, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,453.95	
26 05 13 00-0100	MLF		#2/0 AWG, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,893.22	
26 05 13 00-0101	MLF		#3/0 AWG, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,859.65	
26 05 13 00-0102	MLF		#4/0 AWG, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,032.21	
26 05 13 00-0103	MLF		250 MCM, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,306.00	
26 05 13 00-0104	MLF		350 MCM, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,439.34	
26 05 13 00-0105	MLF		500 MCM, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,578.72	
26 05 13 00-0106			Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 00-0085)		
26 05 13 00-0107	MLF		#1 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,541.39	850.87
26 05 13 00-0108	MLF		#1/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,338.56	980.42
26 05 13 00-0109	MLF		#2/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,217.89	1,150.92
26 05 13 00-0110	MLF		#3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,381.94	1,316.19
26 05 13 00-0111	MLF		#4/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,098.91	1,527.15
26 05 13 00-0112	MLF		250 MCM, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,687.33	1,777.81
26 05 13 00-0113	MLF		350 MCM, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,457.33	2,071.61
26 05 13 00-0114	MLF		500 MCM, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	14,070.72	2,406.36
26 05 13 00-0115			Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0084)		
26 05 13 00-0116			Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct (26 05 13 00-0115)		
26 05 13 00-0117	MLF		#4 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,804.37	1,857.58
26 05 13 00-0118	MLF		#2 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,243.87	1,857.58
26 05 13 00-0119	MLF		#1 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,411.51	1,857.58
26 05 13 00-0120	MLF		#1/0 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,957.62	1,857.58
26 05 13 00-0121	MLF		#2/0 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,475.96	1,857.58
26 05 13 00-0122	MLF		#3/0 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,549.42	1,938.99
26 05 13 00-0123	MLF		#4/0 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,753.05	1,938.99
26 05 13 00-0124	MLF		250 MCM, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,085.80	2,027.71
26 05 13 00-0125	MLF		350 MCM, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	12,398.65	2,075.26
26 05 13 00-0126	MLF		500 MCM, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	15,118.55	2,337.57
26 05 13 00-0127			Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 00-0115)		
			Note: Excludes excavation.		
26 05 13 00-0128	MLF		#1 AWG, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,413.32	
26 05 13 00-0129	MLF		#1/0 AWG, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,959.43	
26 05 13 00-0130	MLF		#2/0 AWG, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,477.77	
26 05 13 00-0131	MLF		#3/0 AWG, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,576.92	
26 05 13 00-0132	MLF		#4/0 AWG, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,780.54	
26 05 13 00-0133	MLF		250 MCM, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,221.10	
26 05 13 00-0134	MLF		350 MCM, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,530.92	
26 05 13 00-0135	MLF		500 MCM, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	12,993.49	
26 05 13 00-0136			Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 00-0115)		
26 05 13 00-0137	MLF		#1 AWG, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,963.56	850.87
26 05 13 00-0138	MLF		#1/0 AWG, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,844.04	980.42
26 05 13 00-0139	MLF		#2/0 AWG, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,802.44	1,150.92
26 05 13 00-0140	MLF		#3/0 AWG, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,099.21	1,316.19
26 05 13 00-0141	MLF		#4/0 AWG, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,847.24	1,527.15
26 05 13 00-0142	MLF		250 MCM, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,605.10	1,777.81
26 05 13 00-0143	MLF		350 MCM, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	12,557.24	2,071.61
26 05 13 00-0144	MLF		500 MCM, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	15,485.49	2,406.36
26 05 13 00-0145			15 KV Non-Shielded Single Copper Conductor (26 05 13 00-0084)		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0146	MLF	#1/0 AWG Cable, 15 KV, Non-Shielded, Single Copper Conductor	8,471.50	1,864.08
26 05 13 00-0147	MLF	#3/0 AWG Cable, 15 KV, Non-Shielded, Single Copper Conductor	10,529.29	1,953.19
26 05 13 00-0148	MLF	350 MCM Cable, 15 KV, Non-Shielded, Single Copper Conductor	13,857.26	2,083.36
26 05 13 00-0149		Shielded, Armored Copper, 15 KV, 3 Conductor Cable (26 05 13 00-0084) Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 00-0150		Galvanized Steel Interlocked Armor Cable (26 05 13 00-0149)		
26 05 13 00-0151	LF	#2 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	45.68	14.21
26 05 13 00-0152	LF	#1/0 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	52.80	15.14
26 05 13 00-0153		Aluminum Interlocked Armor Cable (26 05 13 00-0149)		
26 05 13 00-0154	LF	#2 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	45.68	14.21
26 05 13 00-0155	LF	#1/0 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	52.80	15.14
26 05 13 00-0156		Type URD, 15 KV Primary Concentric UD Cable (26 05 13 00-0084) Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 00-0157	MLF	#4 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	3,218.14	932.11
26 05 13 00-0158	MLF	#2 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	3,744.84	1,017.77
26 05 13 00-0159	MLF	#1 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	4,420.62	1,149.92
26 05 13 00-0160	MLF	#1/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	5,670.18	1,412.91
26 05 13 00-0161	MLF	#2/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	6,443.26	1,590.61
26 05 13 00-0162	MLF	#3/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	7,781.96	1,770.84
26 05 13 00-0163	MLF	#4/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	8,738.14	1,982.29
26 05 13 00-0164		15 KV, URD Copper Cable, Direct Burial (26 05 13 00-0084)		
26 05 13 00-0165	MLF	#6 AWG Cable, 3 Conductor, 15 KV, URD Copper Cable, Direct Burial	12,340.06	
26 05 13 00-0166		Wire Connections (26 05 13 00-0001)		
26 05 13 00-0167		Medium Voltage Up To 5 KV (26 05 13 00-0166)		
26 05 13 00-0168		Shielded One Conductor Cable Splice (26 05 13 00-0167)		
26 05 13 00-0169	EA	#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	313.74	127.46
26 05 13 00-0170	EA	#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	364.52	127.46
26 05 13 00-0171	EA	1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	364.52	127.46
26 05 13 00-0172	EA	2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	402.44	152.94
26 05 13 00-0173	EA	3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	402.44	152.94
26 05 13 00-0174	EA	4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	402.44	152.94
26 05 13 00-0175	EA	250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	453.03	178.44
26 05 13 00-0176	EA	350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	453.03	178.44
26 05 13 00-0177	EA	500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	453.03	178.44
26 05 13 00-0178		Cable Termination Without Stress Cone (26 05 13 00-0167)		
26 05 13 00-0179	EA	#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	307.75	152.94
26 05 13 00-0180	EA	250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	362.71	178.44
26 05 13 00-0181		Cable Termination With Stress Cone (26 05 13 00-0167)		
26 05 13 00-0182	EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	1,043.27	305.90
26 05 13 00-0183	EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	1,443.57	420.60
26 05 13 00-0184		Connect To Pothead, Pothead Included (26 05 13 00-0167)		
26 05 13 00-0185	EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	1,073.93	305.90
26 05 13 00-0186	EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	1,332.63	350.50
26 05 13 00-0187		Two Conductor Pothead (26 05 13 00-0167) Note: Includes 5 KV pothead.		
26 05 13 00-0188	EA	#6 To 4/0 AWG 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,034.44	420.60
26 05 13 00-0189	EA	250 To 350 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,339.24	535.32
26 05 13 00-0190	EA	400 To 700 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,795.00	606.94
26 05 13 00-0191	EA	750 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,578.45	708.14
26 05 13 00-0192	EA	1,000 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	4,448.79	1,062.09
26 05 13 00-0193		Three Conductor Pothead (26 05 13 00-0167) Note: Includes 5 KV pothead.		
26 05 13 00-0194	EA	#6 To 4/0 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,832.36	611.79
26 05 13 00-0195	EA	250 To 500 MCM 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	3,154.55	713.75
26 05 13 00-0196		Copper Cable Splice, Crimp Compression Connection (26 05 13 00-0167) Note: For bare wire.		
26 05 13 00-0197	EA	#6 AWG Crimp Compression Connection For Bare Copper Wire.....	75.14	
26 05 13 00-0198	EA	#4 AWG Crimp Compression Connection For Bare Copper Wire.....	82.44	
26 05 13 00-0199	EA	#3 AWG Crimp Compression Connection For Bare Copper Wire.....	96.15	
26 05 13 00-0200	EA	#2 AWG Crimp Compression Connection For Bare Copper Wire.....	109.44	

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0201	EA		#1 AWG Crimp Compression Connection For Bare Copper Wire.....	123.33	
26 05 13 00-0202	EA		1/0 AWG Crimp Compression Connection For Bare Copper Wire.....	136.97	
26 05 13 00-0203	EA		2/0 AWG Crimp Compression Connection For Bare Copper Wire.....	150.52	
26 05 13 00-0204	EA		3/0 AWG Crimp Compression Connection For Bare Copper Wire.....	164.48	
26 05 13 00-0205	EA		4/0 AWG Crimp Compression Connection For Bare Copper Wire.....	178.20	
26 05 13 00-0206	EA		250 MCM Crimp Compression Connection For Bare Copper Wire.....	192.09	
26 05 13 00-0207	EA		300 MCM Crimp Compression Connection For Bare Copper Wire.....	206.22	
26 05 13 00-0208	EA		350 MCM Crimp Compression Connection For Bare Copper Wire.....	219.78	
26 05 13 00-0209	EA		400 MCM Crimp Compression Connection For Bare Copper Wire.....	247.90	
26 05 13 00-0210	EA		500 MCM Crimp Compression Connection For Bare Copper Wire.....	276.58	
26 05 13 00-0211			Aluminum Cable Splice, Crimp Compression Connection (26 05 13 00-0167)		
			Note: For bare wire.		
26 05 13 00-0212	EA		#6 AWG Crimp Compression Connection For Bare Aluminum Wire.....	76.23	
26 05 13 00-0213	EA		#4 AWG Crimp Compression Connection For Bare Aluminum Wire.....	83.05	
26 05 13 00-0214	EA		#2 AWG Crimp Compression Connection For Bare Aluminum Wire.....	111.44	
26 05 13 00-0215	EA		#1 AWG Crimp Compression Connection For Bare Aluminum Wire.....	128.40	
26 05 13 00-0216	EA		1/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	141.76	
26 05 13 00-0217	EA		2/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	155.09	
26 05 13 00-0218	EA		3/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	169.79	
26 05 13 00-0219	EA		4/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	183.81	
26 05 13 00-0220	EA		250 MCM Crimp Compression Connection For Bare Aluminum Wire.....	197.57	
26 05 13 00-0221	EA		300 MCM Crimp Compression Connection For Bare Aluminum Wire.....	211.58	
26 05 13 00-0222	EA		350 MCM Crimp Compression Connection For Bare Aluminum Wire.....	225.40	
26 05 13 00-0223	EA		400 MCM Crimp Compression Connection For Bare Aluminum Wire.....	255.96	
26 05 13 00-0224	EA		500 MCM Crimp Compression Connection For Bare Aluminum Wire.....	286.64	
26 05 13 00-0225			15 KV (26 05 13 00-0166)		
26 05 13 00-0226			Single Conductor Pothead On Racks (26 05 13 00-0225)		
			Note: Includes pothead.		
26 05 13 00-0227	EA		#2 To 4/0 AWG 1/c 15 KV Pothead (Included), On Racks.....	1,275.18	535.32
26 05 13 00-0228	EA		250 To 500 MCM 1/c 15 KV Pothead (Included), On Racks.....	1,610.04	662.77
26 05 13 00-0229			Two Conductor Pothead On Rack (26 05 13 00-0225)		
			Note: Includes pothead.		
26 05 13 00-0230	EA		#2 To 4/0 AWG 2/c 15 KV Pothead (Included), On Racks.....	1,921.37	815.72
26 05 13 00-0231	EA		250 To 500 MCM 2/c 15 KV Pothead (Included), On Racks.....	2,289.67	968.67
26 05 13 00-0232			Three Conductor Pothead On Rack (26 05 13 00-0225)		
			Note: Includes pothead.		
26 05 13 00-0233	EA		#2 To 4/0 AWG 3/c 15 KV Pothead (Included), On Racks.....	2,476.57	1,057.88
26 05 13 00-0234	EA		250 To 500 MCM 3/c 15 KV Pothead (Included), On Racks.....	3,090.77	1,325.54
26 05 13 00-0235			Stress Relief Cone On Rack (26 05 13 00-0225)		
26 05 13 00-0236	EA		#2 To 4/0 AWG Stress Relief Cone, On Rack.....	1,238.13	535.32
26 05 13 00-0237	EA		250 To 500 MCM Stress Relief Cone, On Rack.....	1,568.38	662.77
26 05 13 00-0238			Grounded, Shielded Cable Splice (26 05 13 00-0225)		
26 05 13 00-0239	EA		#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV.....	889.21	395.12
26 05 13 00-0240	EA		250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....	1,143.71	509.82
26 05 13 00-0241	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way.....	4,204.55	1,402.01
26 05 13 00-0242	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way.....	5,065.54	1,529.47
26 05 13 00-0243			Cable Termination (26 05 13 00-0225)		
26 05 13 00-0244	EA		#2 To 3/0 AWG Cable Termination 15 KV.....	541.73	223.04
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	133.83	
26 05 13 00-0245	EA		4/0 To 250 MCM Cable Termination 15 KV.....	690.56	286.78
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	172.07	
26 05 13 00-0246	EA		350 To 500 MCM Cable Termination 15 KV.....	849.92	350.50
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	210.30	
26 05 13 00-0247	EA		#2 To 3/0 AWG Cable Elbow Termination 15 KV.....	327.05	127.46
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.47	
26 05 13 00-0248			Stress Cones, 5-15 KV, 4 Skirted (26 05 13 00-0225)		
26 05 13 00-0249	EA		#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	545.12	165.69
26 05 13 00-0250	EA		2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	613.63	183.13
26 05 13 00-0251	EA		4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	707.69	200.41
26 05 13 00-0252	EA		400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	877.10	230.90
26 05 13 00-0253			Stress Cones, 5-15 KV, 6 Skirted (26 05 13 00-0225)		
26 05 13 00-0254	EA		#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	1,090.27	331.95
26 05 13 00-0255	EA		2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	1,227.35	366.25
26 05 13 00-0256	EA		4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	1,400.52	393.38
26 05 13 00-0257	EA		400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	1,754.21	461.80

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-------------	------------------------	----------------------

26 05 13 00-0258	35 KV <small>(26 05 13 00-0166)</small>		
26 05 13 00-0259	35 KV One Conductor Splice <small>(26 05 13 00-0258)</small>		
26 05 13 00-0260	EA Cable Splicing, #1 Stranded To 4/0 Stranded, 35 KV	2,209.71	
26 05 13 00-0261	Cable Termination <small>(26 05 13 00-0258)</small>		
26 05 13 00-0262	EA #2 To 3/0 AWG Cable Termination 35 KV	421.50	153.07
26 05 13 00-0263	EA 3/0 AWG To 250 MCM Cable Termination 35 KV	602.99	230.95
26 05 13 00-0264	EA 350 To 500 MCM Cable Termination 35 KV	673.73	247.01
26 05 13 00-0265	EA #2 To 3/0 AWG Cable Elbow Termination 35 KV	341.97	127.46
26 05 13 00-0266	70 KV <small>(26 05 13 00-0166)</small>		
26 05 13 00-0267	Cable Splice <small>(26 05 13 00-0266)</small>		
26 05 13 00-0268	EA Cable Splicing, 350 MCM 70 KV	6,937.15	
26 05 13 00-0269	EA Cable Splicing, #2 To 4/0 70 KV	2,247.19	

26 05 19 Low-Voltage Electrical Power Conductors And Cables (26 05)

26 05 19 13 Undercarpet Electrical Power Cables (26 05 19)

26 05 19 13-0001	Under Carpet Power System <small>(26 05 19 13)</small>		
	Note: Includes laying out, floor prep, taping, testing, drill floor, folds.		
26 05 19 13-0002	LF 3-Conductor, #12 Flat Cable With Attached Bottom Shield	7.98	0.58
26 05 19 13-0003	LF Top Shield, Steel	7.63	0.58
26 05 19 13-0004	EA Splice, 3-Conductor	41.83	9.91
26 05 19 13-0005	EA Splice Top Shield For 3 Conductor	11.14	4.66
26 05 19 13-0006	EA Tap 3-Conductor	52.53	11.65
26 05 19 13-0007	EA Insulating Patch, Splice Tap And End	86.25	9.91
26 05 19 13-0008	EA Transition Block Assembly 3-conductor	56.60	5.83
26 05 19 13-0009	EA Receptacles, Direct Connected Single, With Box	170.16	18.64
26 05 19 13-0010	EA Receptacles, Direct Connected Dual, With Box	284.61	29.13
26 05 19 13-0011	EA Box, Floor Mounted With Cover	286.63	23.31
26 05 19 13-0012	LF 5-Conductor #12 With Attached Bottom Shield	12.89	0.58
26 05 19 13-0013	LF Shield, Top, Steel For 5 Conductor	12.79	0.58
26 05 19 13-0014	EA Splice, 5 Conductor	42.46	9.91
26 05 19 13-0015	EA Transition Block Assembly 5 Conductor	75.88	5.83
26 05 19 13-0016	EA Box, Wall, Flush With Cover	121.91	23.31
26 05 19 13-0017	EA Telephone Transition Fitting Wall Box	78.31	19.22
26 05 19 13-0018	EA Telephone Fitting With Duplex Jack And Cover RJ-45	104.72	22.14
26 05 19 13-0019	EA Telephone Miniature With Duplex RJ-45	45.49	8.73
26 05 19 13-0020	LF Telephone 4-Pair Level 5 Under Carpet Wire	2.59	0.58
26 05 19 13-0021	EA BNC Coax Connector Plug	33.83	11.65
26 05 19 13-0022	EA TNC Connector Coax Plug	33.83	11.65
26 05 19 13-0023	CLF Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	179.44	58.26

26 05 19 16 Low-Voltage, Single-And Multi-Conductor Cables (26 05 19)

26 05 19 16-0001	Cable Installation Methods <small>(26 05 19 16)</small>		
26 05 19 16-0002	Pull Cord <small>(26 05 19 16-0001)</small>		
	Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003	LF Pull String Installed To Remain In Place, In Existing Conduit	0.39	
26 05 19 16-0004	LF Pull String Installed To Remain In Place, In New Conduits	0.20	
26 05 19 16-0005	LF 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.86	
26 05 19 16-0006	LF 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits	0.48	
26 05 19 16-0007	Bore Conduit Into Dirt Or Sand <small>(26 05 19 16-0001)</small>		
	Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008	LF Bore 1" To 4" Conduit Into Dirt Or Sand	3.49	
26 05 19 16-0009	LF Bore 5" To 8" Conduit Into Dirt Or Sand	4.44	
26 05 19 16-0010	Wire and Cable <small>(26 05 19 16)</small>		
	Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 19 16-0011	600 Volt Wire <small>(26 05 19 16-0010)</small>		
26 05 19 16-0012	Single Solid Conductor, Copper <small>(26 05 19 16-0011)</small>		
26 05 19 16-0013	MLF #14 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	654.26	282.79
26 05 19 16-0014	MLF #12 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	806.74	332.67
26 05 19 16-0015	MLF #10 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	978.15	406.77
26 05 19 16-0016	MLF #14 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	844.96	282.79
26 05 19 16-0017	MLF #12 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	1,013.01	332.67
26 05 19 16-0018	MLF #10 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	1,202.25	406.77

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0019 Power Cable, Stranded Conductor, Copper (26 05 19 16-0011)		
26 05 19 16-0020 Power Cable, Stranded, Single Conductor, XHHW-2 (26 05 19 16-0019)		
26 05 19 16-0021 MLF #16 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	680.72	233.04
26 05 19 16-0022 MLF #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	807.61	279.65
26 05 19 16-0023 MLF #12 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	978.29	326.26
26 05 19 16-0024 MLF #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	1,178.54	372.86
26 05 19 16-0025 MLF #8 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	1,543.61	466.08
26 05 19 16-0026 MLF #6 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	2,023.90	559.29
26 05 19 16-0027 MLF #4 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	2,712.61	699.12
26 05 19 16-0028 MLF #3 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	3,179.04	792.33
26 05 19 16-0029 MLF #2 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	3,718.25	885.55
26 05 19 16-0030 MLF #1 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	4,505.48	978.77
26 05 19 16-0031 MLF 1/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	5,356.92	1,118.59
26 05 19 16-0032 MLF 2/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	6,345.92	1,258.41
26 05 19 16-0033 MLF 3/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	7,501.50	1,398.24
26 05 19 16-0034 MLF 4/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	8,869.32	1,538.06
26 05 19 16-0035 MLF 250 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	9,441.20	1,677.88
26 05 19 16-0036 MLF 300 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	11,044.83	1,817.71
26 05 19 16-0037 MLF 350 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	11,798.44	1,957.53
26 05 19 16-0038 MLF 400 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	13,116.76	2,097.36
26 05 19 16-0039 MLF 500 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	15,021.43	2,237.19
26 05 19 16-0040 MLF 600 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	17,165.98	2,423.62
26 05 19 16-0041 MLF 750 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	25,237.42	2,703.27
26 05 19 16-0042 MLF 1,000 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	35,035.72	3,169.35
26 05 19 16-0043 Power Cable, Stranded, Multi Conductor, XHHW-2 (26 05 19 16-0019)		
26 05 19 16-0044 MLF 2/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,615.21	559.18
26 05 19 16-0045 MLF 3/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,956.74	652.63
26 05 19 16-0046 MLF 4/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,414.92	792.33
26 05 19 16-0047 MLF 6/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,805.61	861.90
26 05 19 16-0048 MLF 7/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	3,031.31	908.74
26 05 19 16-0049 MLF 9/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	3,480.91	1,001.83
26 05 19 16-0050 MLF 10/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,718.98	1,044.25
26 05 19 16-0051 MLF 12/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	4,156.64	1,141.90
26 05 19 16-0052 MLF 14/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	4,548.86	1,212.05
26 05 19 16-0053 MLF 24/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	6,449.17	1,538.18
26 05 19 16-0054 MLF 37/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	9,723.61	2,283.80
26 05 19 16-0055 MLF 2/c #12 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,956.86	652.63
26 05 19 16-0056 MLF 3/c #12 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,468.92	792.33
26 05 19 16-0057 MLF 4/c #12 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,981.01	932.16
26 05 19 16-0058 MLF 2/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,589.21	838.59
26 05 19 16-0059 MLF 3/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	3,300.37	1,024.44
26 05 19 16-0060 MLF 4/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	4,248.63	1,305.26
26 05 19 16-0061 MLF 6/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	5,674.42	1,678.47
26 05 19 16-0062 MLF 9/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	7,577.54	2,144.08
26 05 19 16-0063 MLF 2/c #8 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	3,145.49	955.47
26 05 19 16-0064 MLF 3/c #8 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	3,931.72	1,118.59
26 05 19 16-0065 MLF 4/c #8 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	5,067.52	1,421.55
26 05 19 16-0066 MLF 2/c #6 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	3,931.40	1,071.98
26 05 19 16-0067 MLF 3/c #6 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	5,197.79	1,328.33
26 05 19 16-0068 MLF 4/c #6 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	6,598.30	1,638.27
26 05 19 16-0069 MLF 2/c #4 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	5,181.01	1,300.59
26 05 19 16-0070 MLF 3/c #4 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	6,613.49	1,487.62
26 05 19 16-0071 MLF 4/c #4 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	8,500.12	1,856.39
26 05 19 16-0072 MLF 2/c #2 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	6,969.23	1,584.21
26 05 19 16-0073 MLF 3/c #2 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	8,942.01	1,771.57
26 05 19 16-0074 MLF 4/c #2 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	11,843.48	2,330.40
26 05 19 16-0075 MLF 3/c #1 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	11,767.67	2,236.84
26 05 19 16-0076 MLF 4/c #1 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	15,222.43	2,795.31
26 05 19 16-0077 MLF 3/c #1/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	13,741.43	2,424.08
26 05 19 16-0078 MLF 3/c #2/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	16,587.84	2,795.31
26 05 19 16-0079 MLF 3/c #3/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	20,170.56	3,261.16
26 05 19 16-0080 MLF 4/c #3/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	26,505.86	4,192.98
26 05 19 16-0081 MLF 3/c #4/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	24,402.06	3,731.79
26 05 19 16-0082 MLF 3/c 250 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	26,221.69	4,192.98
26 05 19 16-0083 MLF 3/c 350 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	32,365.74	4,660.80
26 05 19 16-0084 MLF 3/c 500 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	41,091.56	5,122.45
26 05 19 16-0085 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper (26 05 19 16-0011) Note: Direct bury.		
26 05 19 16-0086 MLF #14 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	878.91	
26 05 19 16-0087 MLF #12 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	1,031.15	
26 05 19 16-0088 MLF #10 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	1,251.80	
26 05 19 16-0089 MLF #8 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	1,619.31	
26 05 19 16-0090 MLF #6 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	2,161.26	
26 05 19 16-0091 MLF #4 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	2,804.40	
26 05 19 16-0092 MLF #2 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	3,911.91	
26 05 19 16-0093 MLF #1 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	4,726.33	
26 05 19 16-0094 MLF #1/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	5,703.89	
26 05 19 16-0095 MLF #2/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	6,800.73	
26 05 19 16-0096 MLF #3/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	8,062.59	

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

26 05 19 16-0097	MLF #4/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	9,060.63	
26 05 19 16-0098	MLF 250 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	9,825.92	
26 05 19 16-0099	MLF 300 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	11,545.49	
26 05 19 16-0100	MLF 350 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	12,823.02	
26 05 19 16-0101	MLF 400 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	14,290.21	
26 05 19 16-0102	MLF 500 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	16,643.25	
26 05 19 16-0103	MLF 600 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	19,460.11	
26 05 19 16-0104	MLF 750 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	29,532.67	
26 05 19 16-0105	MLF #14 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	803.21	
26 05 19 16-0106	MLF #12 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	954.97	
26 05 19 16-0107	MLF #10 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,127.62	
26 05 19 16-0108	MLF #8 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,390.90	
26 05 19 16-0109	MLF #6 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,753.26	
26 05 19 16-0110	MLF #4 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	2,291.82	
26 05 19 16-0111	MLF #2 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,055.10	
26 05 19 16-0112	MLF #1 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,553.45	
26 05 19 16-0113	MLF #1/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,031.82	
26 05 19 16-0114	MLF #2/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,542.07	
26 05 19 16-0115	MLF #3/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	5,221.22	
26 05 19 16-0116	MLF #4/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,016.36	
26 05 19 16-0117	MLF 250 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,765.01	
26 05 19 16-0118	MLF 300 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,547.86	
26 05 19 16-0119	MLF 350 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	8,386.98	
26 05 19 16-0120	MLF 400 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	9,250.55	
26 05 19 16-0121	MLF 500 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	10,591.48	
26 05 19 16-0122	MLF 750 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	16,790.51	
26 05 19 16-0123	MLF #14 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	663.12	
26 05 19 16-0124	MLF #12 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	814.33	
26 05 19 16-0125	MLF #10 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	988.71	
26 05 19 16-0126	MLF #8 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,349.94	
26 05 19 16-0127	MLF #6 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,779.81	
26 05 19 16-0128	MLF #4 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	2,282.41	
26 05 19 16-0129	MLF #2 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,188.90	
26 05 19 16-0130	MLF #1 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,741.63	
26 05 19 16-0131	MLF #1/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,348.11	
26 05 19 16-0132	MLF #2/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,890.78	
26 05 19 16-0133	MLF #3/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	5,689.98	
26 05 19 16-0134	MLF #4/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,689.87	
26 05 19 16-0135	MLF 250 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,760.41	
26 05 19 16-0136	MLF 300 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	8,870.10	
26 05 19 16-0137	MLF 350 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	10,052.66	
26 05 19 16-0138	MLF 400 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	11,198.45	
26 05 19 16-0139	MLF 500 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	13,084.05	
26 05 19 16-0140	MLF 600 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	15,551.86	
26 05 19 16-0141	MLF 750 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	23,508.93	
26 05 19 16-0142	MLF #2 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	5,009.70	
26 05 19 16-0143	MLF #1/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,093.13	
26 05 19 16-0144	MLF #2/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,886.07	
26 05 19 16-0145	MLF #3/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	8,937.09	
26 05 19 16-0146	MLF #4/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	9,922.23	
26 05 19 16-0147	MLF 250 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	10,706.11	
26 05 19 16-0148	MLF 350 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	15,059.87	
26 05 19 16-0149	MLF 400 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	16,352.11	
26 05 19 16-0150	MLF 500 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	18,548.92	

26 05 19 16-0151 600 Volt, Armored Cable, Copper Conductors (26 05 19 16-0151)

26 05 19 16-0152 ACTHH, Solid (26 05 19 16-0151)

26 05 19 16-0153	MLF #8 AWG Cable - Type ACT, 1 Conductor, Solid	2,429.93	764.73
26 05 19 16-0154	MLF #6 AWG Cable - Type ACT, 1 Conductor, Solid	2,788.46	866.70
26 05 19 16-0155	MLF #4 AWG Cable - Type ACT, 1 Conductor, Solid	3,122.67	917.69
26 05 19 16-0156	MLF #14 AWG Cable - Type ACTHH, 2 Conductors, Solid	3,662.15	1,274.55
26 05 19 16-0157	MLF #12 AWG Cable - Type ACTHH, 2 Conductors, Solid	3,980.41	1,427.25
26 05 19 16-0158	MLF #10 AWG Cable - Type ACTHH, 2 Conductors, Solid	4,831.95	1,581.34
26 05 19 16-0159	MLF #8 AWG Cable - Type ACTHH, 2 Conductors, Solid	6,009.63	1,734.03
26 05 19 16-0160	MLF #14 AWG Cable - Type ACTHH, 3 Conductors, Solid	4,323.55	1,427.25
26 05 19 16-0161	MLF #12 AWG Cable - Type ACTHH, 3 Conductors, Solid	4,608.60	1,581.34
26 05 19 16-0162	MLF #10 AWG Cable - Type ACTHH, 3 Conductors, Solid	5,675.29	1,785.15
26 05 19 16-0163	MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Solid	7,021.18	1,937.08
26 05 19 16-0164	MLF #14 AWG Cable - Type ACTHH, 4 Conductors, Solid	5,044.63	1,581.34
26 05 19 16-0165	MLF #12 AWG Cable - Type ACTHH, 4 Conductors, Solid	5,575.91	1,785.15
26 05 19 16-0166	MLF #10 AWG Cable - Type ACTHH, 4 Conductors, Solid	6,834.87	1,988.44
26 05 19 16-0167	MLF #8 AWG Cable - Type ACTHH, 4 Conductors, Solid	8,464.19	2,142.15

26 05 19 16-0168 ACTHH, Stranded (26 05 19 16-0151)

26 05 19 16-0169	MLF #8 AWG Cable - Type ACTHH, 2 Conductors, Stranded	6,265.74	1,836.51
26 05 19 16-0170	MLF #6 AWG Cable - Type ACTHH, 2 Conductors, Stranded	7,504.27	2,089.38
26 05 19 16-0171	MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Stranded	7,276.87	2,039.30
26 05 19 16-0172	MLF #6 AWG Cable - Type ACTHH, 3 Conductors, Stranded	8,885.56	2,292.43
26 05 19 16-0173	MLF #4 AWG Cable - Type ACTHH, 3 Conductors, Stranded	10,925.50	2,549.12

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0174 MLF #3 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	12,443.66	2,801.23
26 05 19 16-0175 MLF #2 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	14,120.13	3,056.52
26 05 19 16-0176 MLF #8 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	9,224.82	2,446.39
26 05 19 16-0177 MLF #6 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	10,931.83	2,700.28
26 05 19 16-0178 MLF #4 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	13,595.61	2,957.23
26 05 19 16-0179 MLF #3 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	14,872.15	3,210.48
26 05 19 16-0180 MLF #2 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	17,332.83	3,463.49
26 05 19 16-0181 HCFC, Solid (26 05 19 16-0151)		
26 05 19 16-0182 MLF #14 AWG Cable - Type HCF, 2 Conductors, Solid.....	3,960.98	1,274.55
26 05 19 16-0183 MLF #12 AWG Cable - Type HCF, 2 Conductors, Solid.....	4,370.03	1,432.09
26 05 19 16-0184 MLF #10 AWG Cable - Type HCF, 2 Conductors, Solid.....	4,859.98	1,573.57
26 05 19 16-0185 MLF #14 AWG Cable - Type HCF, 3 Conductors, Solid.....	4,699.34	1,432.09
26 05 19 16-0186 MLF #12 AWG Cable - Type HCF, 3 Conductors, Solid.....	5,075.47	1,573.57
26 05 19 16-0187 MLF #10 AWG Cable - Type HCF, 3 Conductors, Solid.....	6,400.13	1,795.21
26 05 19 16-0188 MLF #14 AWG Cable - Type HCF, 4 Conductors, Solid.....	5,605.56	1,573.57
26 05 19 16-0189 MLF #12 AWG Cable - Type HCF, 4 Conductors, Solid.....	6,193.41	1,795.21
26 05 19 16-0190 MLF #10 AWG Cable - Type HCF, 4 Conductors, Solid.....	8,047.91	1,991.50
26 05 19 16-0191 MC, Solid Or Stranded, Galvanized Steel Armor (26 05 19 16-0151)		
26 05 19 16-0192 MLF #14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,691.66	1,274.55
26 05 19 16-0193 MLF #12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,129.75	1,432.09
26 05 19 16-0194 MLF #10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,852.72	1,573.57
26 05 19 16-0195 MLF #8 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	5,956.61	1,681.53
26 05 19 16-0196 MLF #6 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	7,182.21	1,782.59
26 05 19 16-0197 MLF #14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,233.69	1,432.09
26 05 19 16-0198 MLF #12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,744.93	1,573.57
26 05 19 16-0199 MLF #10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	5,875.66	1,795.21
26 05 19 16-0200 MLF #8 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	7,337.86	1,937.08
26 05 19 16-0201 MLF #6 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	8,449.18	2,089.38
26 05 19 16-0202 MLF #4 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	10,198.96	2,243.99
26 05 19 16-0203 MLF #2 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	12,710.10	2,395.79
26 05 19 16-0204 MLF #14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,843.29	1,573.57
26 05 19 16-0205 MLF #12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	5,542.86	1,795.21
26 05 19 16-0206 MLF #10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	7,835.58	1,991.50
26 05 19 16-0207 MLF #8 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	10,248.21	2,193.77
26 05 19 16-0208 MLF #6 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	12,275.79	2,347.23
26 05 19 16-0209 MLF #4 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	15,752.50	2,499.16
26 05 19 16-0210 MLF #2 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	19,919.12	2,649.81
26 05 19 16-0211 MC, Solid Or Stranded, Aluminum Armor (26 05 19 16-0151)		
26 05 19 16-0212 MLF #14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor.....	3,669.29	1,274.55
26 05 19 16-0213 MLF #12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor.....	4,071.76	1,432.09
26 05 19 16-0214 MLF #10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor.....	4,801.42	1,573.57
26 05 19 16-0215 MLF #14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor.....	4,327.10	1,432.09
26 05 19 16-0216 MLF #12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor.....	4,693.40	1,573.57
26 05 19 16-0217 MLF #10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor.....	5,834.91	1,795.21
26 05 19 16-0218 MLF #14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor.....	5,287.38	1,573.57
26 05 19 16-0219 MLF #12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor.....	5,864.73	1,795.21
26 05 19 16-0220 MLF #10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor.....	7,835.58	1,991.50
26 05 19 16-0221 FPLP Solid TFN Red Armored Cable (26 05 19 16-0151)		
Note: Color coded red.		
26 05 19 16-0222 MLF #18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	3,358.66	968.67
26 05 19 16-0223 MLF #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	3,835.97	1,121.61
26 05 19 16-0224 MLF #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	4,637.97	1,274.55
26 05 19 16-0225 MLF #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	5,284.91	1,427.51
26 05 19 16-0226 MLF #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	3,842.15	1,121.61
26 05 19 16-0227 MLF #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	4,489.66	1,274.55
26 05 19 16-0228 MLF #16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	5,462.99	1,427.51
26 05 19 16-0229 MLF #16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	6,170.61	1,580.45
26 05 19 16-0230 FPLP Solid THHN Red Armored Cable (26 05 19 16-0151)		
Note: Color coded red.		
26 05 19 16-0231 MLF #14/2 With #14 Ground Type THHN FPLP Red Armored Cable.....	4,296.98	1,274.55
26 05 19 16-0232 MLF #14/4 With #14 Ground Type THHN FPLP Red Armored Cable.....	5,178.74	1,427.51
26 05 19 16-0233 MLF #14/6 With #14 Ground Type THHN FPLP Red Armored Cable.....	6,567.77	1,580.45
26 05 19 16-0234 MLF #14/8 With #14 Ground Type THHN FPLP Red Armored Cable.....	7,514.70	1,733.40
26 05 19 16-0235 MLF #12/2 With #12 Ground Type THHN FPLP Red Armored Cable.....	5,238.29	1,427.51
26 05 19 16-0236 MLF #12/4 With #12 Ground Type THHN FPLP Red Armored Cable.....	6,241.39	1,580.45
26 05 19 16-0237 FPLP Twisted Shielded Pair Red Armored Cable (26 05 19 16-0151)		
Note: Color coded red.		
26 05 19 16-0238 MLF #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	3,560.89	968.67
26 05 19 16-0239 MLF #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	5,579.83	1,427.51
26 05 19 16-0240 MLF #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	4,308.96	1,121.61
26 05 19 16-0241 MLF #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable.....	5,039.06	1,274.55
26 05 19 16-0242 MLF #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	6,813.26	1,580.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0243			MLF #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,059.21	1,325.54
26 05 19 16-0244			MLF #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	6,140.90	1,529.47
26 05 19 16-0245 Armored Cable Connectors (26 05 19 16-0151)					
26 05 19 16-0246	EA		3/4" Armored Cable Connector	7.41	2.79
			<i>For Work In Restricted Working Space, Add</i>	2.10	
			<i>For Installation Above 14', Add</i>	1.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10	
26 05 19 16-0247	EA		1" Armored Cable Connector	8.71	3.27
			<i>For Work In Restricted Working Space, Add</i>	2.45	
			<i>For Installation Above 14', Add</i>	1.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 05 19 16-0248	EA		1-1/4" Armored Cable Connector	12.39	4.66
			<i>For Work In Restricted Working Space, Add</i>	3.50	
			<i>For Installation Above 14', Add</i>	1.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 19 16-0249 600 Volt, Feeder Wire, Single Stranded Copper (26 05 19 16-0011)					
26 05 19 16-0250	MLF		#14 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	875.04	186.78
			<i>For EPR Insulation, Add</i>	26.39	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	61.57	
26 05 19 16-0251	MLF		#12 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	994.97	206.83
			<i>For EPR Insulation, Add</i>	26.90	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	62.77	
26 05 19 16-0252	MLF		#10 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	1,193.98	258.56
			<i>For EPR Insulation, Add</i>	39.27	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	91.64	
26 05 19 16-0253	MLF		#8 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	1,595.63	411.32
			<i>For EPR Insulation, Add</i>	64.56	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	150.65	
26 05 19 16-0254	MLF		#6 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	2,121.53	493.57
			<i>For EPR Insulation, Add</i>	108.49	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	253.15	
26 05 19 16-0255	MLF		#4 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	2,842.04	573.05
			<i>For EPR Insulation, Add</i>	164.14	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	382.98	
26 05 19 16-0256	MLF		#3 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	3,238.39	655.90
			<i>For EPR Insulation, Add</i>	188.63	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	440.14	
26 05 19 16-0257	MLF		#2 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	3,991.07	738.73
			<i>For EPR Insulation, Add</i>	266.58	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	622.02	
26 05 19 16-0258	MLF		#1 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	4,848.20	822.74
			<i>For EPR Insulation, Add</i>	360.19	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	840.45	
26 05 19 16-0259	MLF		#1/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	5,795.51	928.20
			<i>For EPR Insulation, Add</i>	449.86	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,049.66	
26 05 19 16-0260	MLF		#2/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	6,915.90	1,029.34
			<i>For EPR Insulation, Add</i>	565.48	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,319.45	
26 05 19 16-0261	MLF		#3/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	8,206.50	1,149.12
			<i>For EPR Insulation, Add</i>	706.64	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,648.82	
26 05 19 16-0262	MLF		#4/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	9,224.99	1,277.64
			<i>For EPR Insulation, Add</i>	806.97	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,882.94	
26 05 19 16-0263	MLF		250 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	9,856.36	1,401.27
			<i>For EPR Insulation, Add</i>	849.25	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,981.57	
26 05 19 16-0264	MLF		300 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	11,498.68	1,540.39
			<i>For EPR Insulation, Add</i>	1,043.16	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	2,434.04	
26 05 19 16-0265	MLF		350 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	12,770.00	1,633.03
			<i>For EPR Insulation, Add</i>	1,181.42	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	2,756.66	
26 05 19 16-0266	MLF		400 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	14,229.71	1,825.17
			<i>For EPR Insulation, Add</i>	1,347.95	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	3,145.21	
26 05 19 16-0267	MLF		500 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	16,130.27	2,029.89
			<i>For EPR Insulation, Add</i>	1,580.60	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	3,688.06	
26 05 19 16-0268	MLF		600 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	18,726.90	2,111.93
			<i>For EPR Insulation, Add</i>	1,900.18	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	4,433.75	
26 05 19 16-0269	MLF		750 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	29,380.31	2,193.84
			<i>For EPR Insulation, Add</i>	3,393.32	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	7,917.75	
26 05 19 16-0270	MLF		1,000 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	36,575.67	2,344.15
			<i>For EPR Insulation, Add</i>	4,402.71	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	10,273.00	
26 05 19 16-0271	MLF		#16 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit	1,409.77	419.24
26 05 19 16-0272	MLF		#14 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit	1,701.56	466.08
26 05 19 16-0273	MLF		#12 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit	2,108.68	559.77
26 05 19 16-0274	MLF		#10 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit	2,488.88	652.28
26 05 19 16-0275	MLF		#8 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit	3,421.58	698.42
26 05 19 16-0276	MLF		#18 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit	519.58	233.04

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 19 16-0277	MLF #16 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit	648.45	256.35
26 05 19 16-0278	MLF #14 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	659.29	186.90
26 05 19 16-0279	MLF #12 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	808.84	222.78
26 05 19 16-0280	MLF #10 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	980.48	280.23
26 05 19 16-0281	MLF #8 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	1,335.59	369.37
26 05 19 16-0282	MLF #6 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	1,756.09	446.04
26 05 19 16-0283	MLF #4 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	2,245.85	527.14
26 05 19 16-0284	MLF #3 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	2,657.90	596.70
26 05 19 16-0285	MLF #2 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	3,131.37	668.25
26 05 19 16-0286	MLF #1 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	3,668.88	754.12
26 05 19 16-0287	MLF #1/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	4,263.13	825.78
26 05 19 16-0288	MLF #2/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	4,791.05	912.58
26 05 19 16-0289	MLF #3/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	5,563.29	965.25
26 05 19 16-0290	MLF #4/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	6,532.21	1,085.96
26 05 19 16-0291	MLF 250 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	7,568.42	1,155.30
26 05 19 16-0292	MLF 300 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	8,641.91	1,308.41
26 05 19 16-0293	MLF 350 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	9,784.81	1,447.99
26 05 19 16-0294	MLF 400 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	10,892.70	1,487.62
26 05 19 16-0295	MLF 500 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	12,705.14	1,573.84
26 05 19 16-0296	MLF 600 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	15,435.34	1,852.08
26 05 19 16-0297	MLF 750 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	22,689.06	2,193.84
26 05 19 16-0298	MLF 1,000 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	27,051.42	2,648.74
26 05 19 16-0299	MLF #16 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	1,905.62	559.77
26 05 19 16-0300	MLF #14 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	2,169.02	652.28
26 05 19 16-0301	MLF #12 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	2,496.22	746.31
26 05 19 16-0302	MLF #10 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	3,028.77	838.59
26 05 19 16-0303	MLF #8 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	3,401.53	932.16
26 05 19 16-0304	MLF #6 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	4,067.95	1,024.44

26 05 19 16-0305 600 Volt, Feeder Wire, Single Stranded Aluminum (26 05 19 16-0011)

26 05 19 16-0306	MLF #6 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,065.87	363.15
26 05 19 16-0307	MLF #4 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,250.43	422.26
26 05 19 16-0308	MLF #2 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,619.40	542.05
26 05 19 16-0309	MLF #1 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,900.30	605.29
26 05 19 16-0310	MLF #1/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,169.53	681.95
26 05 19 16-0311	MLF #2/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,430.68	752.68
26 05 19 16-0312	MLF #3/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,805.72	849.44
26 05 19 16-0313	MLF #4/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,100.81	937.16
26 05 19 16-0314	MLF 250 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,500.82	1,030.23
26 05 19 16-0315	MLF 300 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,078.93	1,120.36
26 05 19 16-0316	MLF 350 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,325.41	1,210.47
26 05 19 16-0317	MLF 400 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,884.84	1,346.38
26 05 19 16-0318	MLF 500 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,380.99	1,482.23
26 05 19 16-0319	MLF 600 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	6,439.20	1,726.63
26 05 19 16-0320	MLF 700 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	7,182.72	1,892.86
26 05 19 16-0321	MLF 750 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	7,382.94	1,963.04
26 05 19 16-0322	MLF 1,000 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	9,638.75	2,381.27
26 05 19 16-0323	MLF #8 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,197.93	413.76
26 05 19 16-0324	MLF #6 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,348.39	466.08
26 05 19 16-0325	MLF #4 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,659.24	573.40
26 05 19 16-0326	MLF #2 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,063.74	702.84
26 05 19 16-0327	MLF #1 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,517.40	827.41
26 05 19 16-0328	MLF 1/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,870.07	932.51
26 05 19 16-0329	MLF 2/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,225.95	1,035.75
26 05 19 16-0330	MLF 3/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,615.87	1,130.01
26 05 19 16-0331	MLF 4/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,885.30	1,202.60
26 05 19 16-0332	MLF 250 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,289.55	1,286.73
26 05 19 16-0333	MLF 300 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,929.32	1,379.01
26 05 19 16-0334	MLF 350 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,230.45	1,489.71
26 05 19 16-0335	MLF 400 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,822.33	1,624.52
26 05 19 16-0336	MLF 500 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	6,603.30	1,864.32
26 05 19 16-0337	MLF 600 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	7,366.22	1,961.97
26 05 19 16-0338	MLF 700 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	8,012.46	2,068.47
26 05 19 16-0339	MLF 750 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	8,366.00	2,198.26
26 05 19 16-0340	MLF 1,000 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	11,975.02	3,080.79
26 05 19 16-0341	MLF #6 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,312.19	466.08
26 05 19 16-0342	MLF #4 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,622.03	573.28
26 05 19 16-0343	MLF #2 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,003.08	703.78
26 05 19 16-0344	MLF #1 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,405.33	822.74
26 05 19 16-0345	MLF #1/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,715.21	928.20
26 05 19 16-0346	MLF #2/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,035.34	1,029.34
26 05 19 16-0347	MLF #3/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,404.64	1,130.01
26 05 19 16-0348	MLF #4/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,661.69	1,202.60
26 05 19 16-0349	MLF 250 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,012.75	1,285.92
26 05 19 16-0350	MLF 300 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,543.81	1,380.76
26 05 19 16-0351	MLF 350 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,863.18	1,491.69
26 05 19 16-0352	MLF 400 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,328.80	1,620.79
26 05 19 16-0353	MLF 500 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	6,130.67	1,864.32
26 05 19 16-0354	MLF 600 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	6,697.59	1,956.72
26 05 19 16-0355	MLF 700 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	7,245.89	2,068.47
26 05 19 16-0356	MLF 750 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	7,604.17	2,191.62

26 05 19 16-0357 Non-Metallic Sheathed Cable (26 05 19 16-0011)

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-------------	------------------------	----------------------

26 05 19 16-0358 Indoor Installation (26 05 19 16-0357)
 Note: For NM, NM-B, NMC-B and NMS-B.

26 05 19 16-0359	MLF #14-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,461.88	885.44
26 05 19 16-0360	MLF #14-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	3,017.38	1,071.98
26 05 19 16-0361	MLF #12-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,685.14	1,006.73
26 05 19 16-0362	MLF #12-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	3,290.96	1,118.36
26 05 19 16-0363	MLF #10-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	3,326.76	1,118.94
26 05 19 16-0364	MLF #10-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	4,030.72	1,305.26
26 05 19 16-0365	MLF #8-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	4,127.45	1,339.98
26 05 19 16-0366	MLF #8-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	5,273.79	1,619.63
26 05 19 16-0367	MLF #6-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	4,902.42	1,526.41
26 05 19 16-0368	MLF #6-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	6,234.69	1,841.02
26 05 19 16-0369	MLF #4-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	7,831.20	2,027.45
26 05 19 16-0370	MLF #2-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	10,470.08	2,202.23

26 05 19 16-0371 Direct Burial Cable (26 05 19 16-0357)
 Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0372	MLF #14-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,632.47	
26 05 19 16-0373	MLF #14-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,327.88	
26 05 19 16-0374	MLF #12-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,313.00	
26 05 19 16-0375	MLF #12-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,861.37	
26 05 19 16-0376	MLF #10-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,610.08	
26 05 19 16-0377	MLF #10-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,527.30	
26 05 19 16-0378	MLF #8-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,704.01	
26 05 19 16-0379	MLF #8-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	5,896.08	
26 05 19 16-0380	MLF #6-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	5,955.96	
26 05 19 16-0381	MLF #6-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	7,078.76	

26 05 19 16-0382 SEU Cable Copper, 3 Conductor (26 05 19 16-0357)

26 05 19 16-0383	MLF 12-12-12 Cable SEU Copper	3,201.93	1,121.99
26 05 19 16-0384	MLF 10-10-10 Cable SEU Copper	3,896.09	1,274.55
26 05 19 16-0385	MLF 8-8-8 Cable SEU Copper	4,702.57	1,427.25
26 05 19 16-0386	MLF 6-6-8 Cable SEU Copper	5,502.06	1,530.11
26 05 19 16-0387	MLF 6-6-6 Cable SEU Copper	5,859.61	1,581.34
26 05 19 16-0388	MLF 4-4-6 Cable SEU Copper	6,966.24	1,734.03
26 05 19 16-0389	MLF 4-4-4 Cable SEU Copper	7,430.08	1,785.15
26 05 19 16-0390	MLF 3-3-5 Cable SEU Copper	8,522.20	1,937.08
26 05 19 16-0391	MLF 3-3-3 Cable SEU Copper	9,035.50	2,039.30
26 05 19 16-0392	MLF 2-2-4 Cable SEU Copper	9,619.22	2,142.15
26 05 19 16-0393	MLF 2-2-2 Cable SEU Copper	10,242.19	2,243.99
26 05 19 16-0394	MLF 1-1-1 Cable SEU Copper	12,357.43	2,549.12
26 05 19 16-0395	MLF 1/0-1/0-1/0 Cable SEU Copper	14,546.62	2,857.82
26 05 19 16-0396	MLF 2/0-2/0-2/0 Cable SEU Copper	17,314.90	3,218.64
26 05 19 16-0397	MLF 3/0-3/0-3/0 Cable SEU Copper	20,566.98	3,580.24
26 05 19 16-0398	MLF 4/0-4/0-4/0 Cable SEU Copper	22,979.63	3,995.48

26 05 19 16-0399 SEU Cable Aluminum, 3 Conductor (26 05 19 16-0357)

26 05 19 16-0400	MLF 8-8-8 Cable SEU Aluminum	4,035.29	1,432.09
26 05 19 16-0401	MLF 6-6-6 Cable SEU Aluminum	4,518.90	1,573.57
26 05 19 16-0402	MLF 4-4-6 Cable SEU Aluminum	5,013.34	1,722.44
26 05 19 16-0403	MLF 4-4-4 Cable SEU Aluminum	5,238.01	1,795.21
26 05 19 16-0404	MLF 2-2-4 Cable SEU Aluminum	6,234.69	2,124.31
26 05 19 16-0405	MLF 2-2-2 Cable SEU Aluminum	6,592.32	2,236.08
26 05 19 16-0406	MLF 1-1-1 Cable SEU Aluminum	7,730.84	2,549.12
26 05 19 16-0407	MLF 1/0-1/0-2 Cable SEU Aluminum	8,162.78	2,683.32
26 05 19 16-0408	MLF 1/0-1/0-1/0 Cable SEU Aluminum	9,332.58	2,832.32
26 05 19 16-0409	MLF 2/0-2/0-1 Cable SEU Aluminum	9,223.24	3,034.73
26 05 19 16-0410	MLF 2/0-2/0-2/0 Cable SEU Aluminum	9,716.79	3,186.40
26 05 19 16-0411	MLF 3/0-3/0-1/0 Cable SEU Aluminum	10,400.38	3,336.54
26 05 19 16-0412	MLF 3/0-3/0-3/0 Cable SEU Aluminum	11,086.76	3,540.47
26 05 19 16-0413	MLF 4/0-4/0-2/0 Cable SEU Aluminum	11,827.99	3,827.50
26 05 19 16-0414	MLF 4/0-4/0-4/0 Cable SEU Aluminum	12,410.52	3,983.00

26 05 19 16-0415 SER Cable Copper, 4 Conductor (26 05 19 16-0357)

26 05 19 16-0416	MLF 6-6-6-6 Cable SER Copper	8,824.90	1,836.51
26 05 19 16-0417	MLF 4-4-4-6 Cable SER Copper	11,072.67	1,988.44
26 05 19 16-0418	MLF 3-3-3-5 Cable SER Copper	12,927.33	2,243.99
26 05 19 16-0419	MLF 2-2-2-4 Cable SER Copper	14,950.51	2,446.39
26 05 19 16-0420	MLF 1-1-1-3 Cable SER Copper	18,065.53	2,801.23
26 05 19 16-0421	MLF 1/0-1/0-1/0-2 Cable SER Copper	22,695.50	3,210.48
26 05 19 16-0422	MLF 2/0-2/0-2/0-1 Cable SER Copper	26,807.02	3,463.49
26 05 19 16-0423	MLF 3/0-3/0-3/0-1/0 Cable SER Copper	32,089.51	3,874.02

26 05 19 16-0424 Control Tray Cable, Low Voltage (26 05 19 16-0010)
 Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.

26 05 19 16-0425	MLF 2 Conductor #18 AWG, Stranded, Type TC Control Cable	1,131.73	565.23
	<i>For Work In Restricted Working Space, Add</i>	282.62	
26 05 19 16-0426	MLF 3 Conductor #18 AWG, Stranded, Type TC Control Cable	1,297.67	632.29
	<i>For Work In Restricted Working Space, Add</i>	316.14	

26 Electrical

26 05 Common Work Results For Electrical

26 05 19 Low-Voltage Electrical Power Conductors And Cables

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0427	MLF		4 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,347.35 316.14	632.24
26 05 19 16-0428	MLF		5 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,687.49 396.51	793.02
26 05 19 16-0429	MLF		7 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,111.88 483.18	966.35
26 05 19 16-0430	MLF		9 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,394.31 531.33	1,062.67
26 05 19 16-0431	MLF		12 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,825.29 603.72	1,207.45
26 05 19 16-0432	MLF		15 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,552.61 737.92	1,475.85
26 05 19 16-0433	MLF		19 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,029.22 805.04	1,610.07
26 05 19 16-0434	MLF		25 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,673.10 830.21	1,660.41
26 05 19 16-0435	MLF		30 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,746.76 1,037.15	2,074.29
26 05 19 16-0436	MLF		37 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,867.35 1,212.10	2,424.20
26 05 19 16-0437	MLF		2 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,228.68 297.48	595.41
26 05 19 16-0438	MLF		3 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,414.10 332.78	665.56
26 05 19 16-0439	MLF		4 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,643.98 383.12	766.24
26 05 19 16-0440	MLF		5 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,848.48 417.37	834.74
26 05 19 16-0441	MLF		7 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,321.96 508.61	1,017.22
26 05 19 16-0442	MLF		9 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,643.33 559.30	1,118.59
26 05 19 16-0443	MLF		12 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,134.43 635.50	1,271.00
26 05 19 16-0444	MLF		15 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,955.17 776.72	1,553.45
26 05 19 16-0445	MLF		19 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,506.66 847.34	1,694.67
26 05 19 16-0446	MLF		25 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,295.19 873.90	1,747.80
26 05 19 16-0447	MLF		30 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,500.94 1,091.68	2,183.35
26 05 19 16-0448	MLF		37 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,786.75 1,275.89	2,551.78
26 05 19 16-0449	MLF		2 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,323.76 310.76	621.52
26 05 19 16-0450	MLF		3 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,566.00 349.56	699.12
26 05 19 16-0451	MLF		4 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,828.59 399.55	799.10
26 05 19 16-0452	MLF		5 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,044.02 430.31	860.62
26 05 19 16-0453	MLF		7 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,689.71 527.49	1,054.97
26 05 19 16-0454	MLF		9 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,082.68 582.72	1,165.20
26 05 19 16-0455	MLF		12 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,736.58 650.18	1,300.36
26 05 19 16-0456	MLF		15 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,463.22 776.72	1,553.22
26 05 19 16-0457	MLF		19 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,252.43 902.22	1,804.90
26 05 19 16-0458	MLF		25 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,611.20 1,055.32	2,110.18
26 05 19 16-0459	MLF		30 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,650.84 1,179.07	2,358.13
26 05 19 16-0460	MLF		37 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	9,187.12 1,377.97	2,755.93
26 05 19 16-0461	MLF		2 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,521.35 332.78	665.56
26 05 19 16-0462	MLF		3 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,797.10 368.09	736.41
26 05 19 16-0463	MLF		4 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,168.65 423.67	847.34
26 05 19 16-0464	MLF		5 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,434.53 450.93	901.87
26 05 19 16-0465	MLF		7 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,169.45 537.62	1,075.25
26 05 19 16-0466	MLF		9 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,890.86 635.50	1,271.00
26 05 19 16-0467	MLF		12 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,692.98 716.95	1,433.90
26 05 19 16-0468	MLF		15 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,564.21 822.51	1,645.03
26 05 19 16-0469	MLF		19 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,551.04 932.28	1,864.56
26 05 19 16-0470	MLF		25 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,317.28 1,089.58	2,179.16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0471	MLF		30 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	9,639.72 1,273.45	2,546.90
26 05 19 16-0472	MLF		37 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	11,622.58 1,488.43	2,976.85
26 05 19 16-0473	MLF		2 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,780.50 349.56	699.12
26 05 19 16-0474	MLF		3 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,185.90 383.12	766.70
26 05 19 16-0475	MLF		4 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,641.95 436.95	873.90
26 05 19 16-0476	MLF		5 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,047.71 474.00	948.00
26 05 19 16-0477	MLF		7 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,094.40 594.95	1,189.90
26 05 19 16-0478	MLF		9 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,827.70 665.91	1,331.83
26 05 19 16-0479	MLF		12 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,626.09 776.72	1,553.45
26 05 19 16-0480	MLF		15 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,630.03 888.23	1,776.47
26 05 19 16-0481	MLF		19 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,832.26 1,006.73	2,013.46
26 05 19 16-0482	MLF		25 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	10,013.02 1,176.62	2,353.24
26 05 19 16-0483	MLF		30 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	11,597.27 1,375.17	2,750.34
26 05 19 16-0484	MLF		37 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	14,018.25 1,607.63	3,215.25
26 05 19 16-0485			ACSR (Aluminum Conductor Steel Reinforced) <small>(26 05 19 16-0010)</small> Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
26 05 19 16-0486			ACSR Cable <small>(26 05 19 16-0485)</small>		
26 05 19 16-0487	MLF		#4 AWG ACSR Cable Swan 6/1 Installed On Poles, Aluminum Cable.....	1,505.60	552.36
26 05 19 16-0488	MLF		#4 AWG ACSR Cable Swanate 7/1 Installed On Poles, Aluminum Cable.....	1,576.69	573.55
26 05 19 16-0489	MLF		#2 AWG ACSR Cable Sparrow 6/1 Installed On Poles, Aluminum Cable.....	1,661.51	595.63
26 05 19 16-0490	MLF		#2 AWG ACSR Cable Sparate 7/1 Installed On Poles, Aluminum Cable.....	1,733.30	617.20
26 05 19 16-0491	MLF		#1/0 AWG ACSR Cable Raven 6/1 Installed On Poles, Aluminum Cable.....	1,845.10	638.13
26 05 19 16-0492	MLF		#2/0 AWG ACSR Cable Quail 6/1 Installed On Poles, Aluminum Cable.....	2,114.86	723.37
26 05 19 16-0493	MLF		#3/0 AWG ACSR Cable Pigeon 6/1 Installed On Poles, Aluminum Cable.....	2,393.97	806.71
26 05 19 16-0494	MLF		#4/0 AWG ACSR Cable Penguin 6/1 Installed On Poles, Aluminum Cable.....	2,689.82	891.20
26 05 19 16-0495	MLF		#1 Bare Aluminum Wire.....	2,193.01	804.45
26 05 19 16-0496	MLF		336 AWG ACSR Cable Merlin 18/1 Installed On Pole, Aluminum Cable.....	3,327.01	1,145.30
26 05 19 16-0497	MLF		477 AWG ACSR Cable Hawk 26/1 Installed On Pole, Aluminum Cable.....	3,803.44	1,313.77
26 05 19 16-0498			All Aluminum Conductors <small>(26 05 19 16-0485)</small>		
26 05 19 16-0499	MLF		795.0 ACSR Conductor Aluminum.....	28,550.48	10,625.32
26 05 19 16-0500			Single Conductor Installed On Poles <small>(26 05 19 16-0010)</small>		
26 05 19 16-0501			Bare Stranded Conductor <small>(26 05 19 16-0500)</small>		
26 05 19 16-0502	MLF		#12 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,310.37	468.00
26 05 19 16-0503	MLF		#10 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,497.75	510.12
26 05 19 16-0504	MLF		#8 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,686.48	552.75
26 05 19 16-0505	MLF		#6 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,986.03	595.63
26 05 19 16-0506	MLF		#4 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	2,330.91	638.63
26 05 19 16-0507	MLF		#2 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	3,192.38	766.00
26 05 19 16-0508	MLF		#1 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	3,639.62	850.87
26 05 19 16-0509	MLF		#1/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	4,117.40	934.21
26 05 19 16-0510	MLF		#2/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	5,379.69	1,108.04
26 05 19 16-0511	MLF		#3/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	6,458.87	1,273.95
26 05 19 16-0512	MLF		#4/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	7,007.53	1,443.82
26 05 19 16-0513	MLF		250 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	8,746.51	1,701.62
26 05 19 16-0514	MLF		300 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	8,996.70	1,791.21
26 05 19 16-0515	MLF		350 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	10,879.57	1,875.83
26 05 19 16-0516	MLF		400 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	11,903.83	1,952.78
26 05 19 16-0517	MLF		500 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	13,641.60	2,036.12
26 05 19 16-0518			Insulated Stranded Conductor <small>(26 05 19 16-0500)</small>		
26 05 19 16-0519	MLF		#12 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	1,379.45	468.00
26 05 19 16-0520	MLF		#10 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	1,586.89	510.12
26 05 19 16-0521	MLF		#8 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	1,862.44	552.75
26 05 19 16-0522	MLF		#6 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	2,019.34	595.63
26 05 19 16-0523	MLF		#4 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	2,381.73	638.63
26 05 19 16-0524	MLF		#2 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	3,118.99	766.00
26 05 19 16-0525	MLF		#1 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	3,632.30	850.87
26 05 19 16-0526	MLF		#1/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	4,219.59	934.21
26 05 19 16-0527	MLF		#2/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	5,065.90	1,108.04
26 05 19 16-0528	MLF		#3/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	6,021.47	1,273.95
26 05 19 16-0529	MLF		#4/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	7,041.65	1,443.82
26 05 19 16-0530	MLF		250 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles.....	8,537.74	1,701.62
26 05 19 16-0531	MLF		300 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles.....	9,549.33	1,791.21

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 19 16-0532	MLF	350 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles		10,385.63	1,875.83
26 05 19 16-0533	MLF	400 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles		11,495.09	1,952.78
26 05 19 16-0534	MLF	500 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles		12,772.23	2,036.12
26 05 19 16-0535		Bare Solid Conductor <small>(26 05 19 16-0500)</small>			
26 05 19 16-0536	MLF	#12 AWG 1/c Bare Solid Copper Cable, Installed On Poles		1,310.37	468.00
26 05 19 16-0537	MLF	#8 AWG 1/c Bare Solid Copper Cable, Installed On Poles		1,686.48	552.75
26 05 19 16-0538	MLF	#6 AWG 1/c Bare Solid Copper Cable, Installed On Poles		1,986.03	595.63
26 05 19 16-0539	MLF	#4 AWG 1/c Bare Solid Copper Cable, Installed On Poles		2,309.91	638.63
26 05 19 16-0540		Multi-Conductor Cords, Cables And Associated Equipment <small>(26 05 19 16-0010)</small>			
26 05 19 16-0541		Multi-Conductor Cords <small>(26 05 19 16-0540)</small> Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.			
26 05 19 16-0542		Multi-Conductor Type SOOW And SJOOW Cord <small>(26 05 19 16-0541)</small> Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.			
26 05 19 16-0543		300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0542)</small>			
26 05 19 16-0544		#18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0543)</small>			
26 05 19 16-0545	LF	2/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)		1.26	0.51
26 05 19 16-0546	LF	3/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)		1.31	0.51
26 05 19 16-0547	LF	4/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)		1.46	0.51
26 05 19 16-0548		#16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0543)</small>			
26 05 19 16-0549	LF	2/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)		1.46	0.51
26 05 19 16-0550	LF	3/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)		1.56	0.51
26 05 19 16-0551	LF	4/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)		1.69	0.51
26 05 19 16-0552		#14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0543)</small>			
26 05 19 16-0553	LF	2/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)		1.64	0.51
26 05 19 16-0554	LF	3/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)		1.78	0.51
26 05 19 16-0555	LF	4/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)		2.07	0.51
26 05 19 16-0556		#12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0543)</small>			
26 05 19 16-0557	LF	2/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)		1.88	0.51
26 05 19 16-0558	LF	3/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)		2.06	0.51
26 05 19 16-0559	LF	4/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)		2.31	0.51
26 05 19 16-0560		#10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0543)</small>			
26 05 19 16-0561	LF	2/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)		2.44	0.64
26 05 19 16-0562	LF	3/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)		2.56	0.64
26 05 19 16-0563	LF	4/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)		2.74	0.64
26 05 19 16-0564		600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0542)</small>			
26 05 19 16-0565		#18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0564)</small>			
26 05 19 16-0566	LF	2/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		1.31	0.51
26 05 19 16-0567	LF	3/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		1.42	0.51
26 05 19 16-0568	LF	4/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		1.56	0.51
26 05 19 16-0569	LF	5/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		2.68	0.69
26 05 19 16-0570	LF	6/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		2.92	0.71
26 05 19 16-0571	LF	7/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		3.10	0.73
26 05 19 16-0572	LF	8/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		3.40	0.74
26 05 19 16-0573	LF	10/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		3.90	0.78
26 05 19 16-0574	LF	12/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		4.45	0.80
26 05 19 16-0575	LF	14/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		5.85	0.82
26 05 19 16-0576	LF	16/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		5.95	0.84
26 05 19 16-0577	LF	18/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		6.11	0.86
26 05 19 16-0578	LF	20/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		6.79	0.88
26 05 19 16-0579	LF	24/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		8.55	0.90
26 05 19 16-0580	LF	30/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		8.92	0.95
26 05 19 16-0581		#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0564)</small>			
26 05 19 16-0582	LF	2/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		1.55	0.51
26 05 19 16-0583	LF	3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		1.64	0.51
26 05 19 16-0584	LF	4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		1.83	0.51
26 05 19 16-0585	LF	5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		2.80	0.69
26 05 19 16-0586	LF	6/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		3.08	0.71
26 05 19 16-0587	LF	7/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		3.36	0.73
26 05 19 16-0588	LF	8/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		3.71	0.74
26 05 19 16-0589	LF	9/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		3.86	0.76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0590	LF		10/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.28	0.78
26 05 19 16-0591	LF		12/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.00	0.80
26 05 19 16-0592	LF		14/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.36	0.82
26 05 19 16-0593	LF		16/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.05	0.84
26 05 19 16-0594	LF		18/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.98	0.86
26 05 19 16-0595	LF		20/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.82	0.88
26 05 19 16-0596	LF		24/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.45	0.90
26 05 19 16-0597	LF		26/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.38	0.92
26 05 19 16-0598	LF		30/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.07	0.95
26 05 19 16-0599			#14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0594)		
26 05 19 16-0600	LF		2/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.81	0.51
26 05 19 16-0601	LF		3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.91	0.51
26 05 19 16-0602	LF		4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.17	0.51
26 05 19 16-0603	LF		5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.62	0.69
26 05 19 16-0604	LF		6/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.32	0.71
26 05 19 16-0605	LF		7/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.56	0.73
26 05 19 16-0606	LF		8/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.13	0.74
26 05 19 16-0607	LF		9/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.51	0.76
26 05 19 16-0608	LF		10/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.15	0.78
26 05 19 16-0609	LF		12/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.76	0.80
26 05 19 16-0610	LF		14/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.46	0.82
26 05 19 16-0611	LF		16/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.96	0.84
26 05 19 16-0612	LF		20/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.05	0.88
26 05 19 16-0613	LF		24/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.84	0.90
26 05 19 16-0614	LF		30/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	13.99	0.95
26 05 19 16-0615			#12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0614)		
26 05 19 16-0616	LF		2/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.07	0.51
26 05 19 16-0617	LF		3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.27	0.51
26 05 19 16-0618	LF		4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.47	0.51
26 05 19 16-0619	LF		5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.13	0.69
26 05 19 16-0620	LF		6/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.79	0.71
26 05 19 16-0621	LF		7/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.45	0.73
26 05 19 16-0622	LF		8/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.17	0.74
26 05 19 16-0623	LF		9/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.68	0.76
26 05 19 16-0624	LF		10/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.56	0.78
26 05 19 16-0625	LF		12/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.61	0.80
26 05 19 16-0626	LF		14/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.58	0.82
26 05 19 16-0627	LF		16/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.54	0.84
26 05 19 16-0628	LF		18/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.01	0.86
26 05 19 16-0629	LF		20/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.68	0.88
26 05 19 16-0630	LF		24/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.40	0.90
26 05 19 16-0631	LF		26/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	16.12	0.92
26 05 19 16-0632	LF		28/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	16.67	0.94
26 05 19 16-0633	LF		30/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	17.28	0.95
26 05 19 16-0634			#10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0633)		
26 05 19 16-0635	LF		2/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.38	0.64
26 05 19 16-0636	LF		3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.55	0.64
26 05 19 16-0637	LF		4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.73	0.64
26 05 19 16-0638	LF		5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.59	0.69
26 05 19 16-0639	LF		6/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.84	0.71
26 05 19 16-0640	LF		7/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.86	0.73
26 05 19 16-0641	LF		10/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.82	0.78
26 05 19 16-0642	LF		12/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.11	0.80
26 05 19 16-0643	LF		16/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.87	0.84
26 05 19 16-0644	LF		20/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	18.70	0.88
26 05 19 16-0645			#8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0644)		
26 05 19 16-0646	LF		3/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.73	0.76
26 05 19 16-0647	LF		4/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.15	0.89
26 05 19 16-0648	LF		5/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	6.99	0.89
26 05 19 16-0649			#6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0648)		
26 05 19 16-0650	LF		3/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	6.77	0.89
26 05 19 16-0651	LF		4/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.16	1.02
26 05 19 16-0652	LF		5/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	9.80	1.27
26 05 19 16-0653			#4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0652)		
26 05 19 16-0654	LF		3/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	10.78	1.27
26 05 19 16-0655	LF		4/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	11.82	1.40
26 05 19 16-0656	LF		5/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	14.24	1.53

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 19 16-0657		#2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0564)</small>			
26 05 19 16-0658	LF	3/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	16.26		2.55
26 05 19 16-0659	LF	4/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	20.68		3.18
26 05 19 16-0660	LF	5/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	25.07		4.21
26 05 19 16-0661		300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0542)</small>			
26 05 19 16-0662		#18, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0661)</small>			
26 05 19 16-0663	LF	2/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.69		0.51
26 05 19 16-0664	LF	3/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.85		0.51
26 05 19 16-0665	LF	4/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.18		0.51
26 05 19 16-0666		#16, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0661)</small>			
26 05 19 16-0667	LF	2/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.79		0.51
26 05 19 16-0668	LF	3/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.06		0.51
26 05 19 16-0669	LF	4/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.18		0.51
26 05 19 16-0670		#14, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0661)</small>			
26 05 19 16-0671	LF	2/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.45		0.51
26 05 19 16-0672	LF	3/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.51		0.51
26 05 19 16-0673	LF	4/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	4.49		0.64
26 05 19 16-0674		600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0542)</small>			
26 05 19 16-0675		#18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0674)</small>			
26 05 19 16-0676	LF	2/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.36		0.51
26 05 19 16-0677	LF	3/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.81		0.51
26 05 19 16-0678	LF	4/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.28		0.51
26 05 19 16-0679		#16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0674)</small>			
26 05 19 16-0680	LF	2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.52		0.51
26 05 19 16-0681	LF	3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.98		0.51
26 05 19 16-0682	LF	4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.71		0.51
26 05 19 16-0683	LF	5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.01		0.64
26 05 19 16-0684		#14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0674)</small>			
26 05 19 16-0685	LF	2/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.09		0.51
26 05 19 16-0686	LF	4/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.68		0.51
26 05 19 16-0687	LF	5/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.12		0.64
26 05 19 16-0688		#12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0674)</small>			
26 05 19 16-0689	LF	3/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.65		0.51
26 05 19 16-0690	LF	4/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.17		0.51
26 05 19 16-0691	LF	5/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.65		0.64
26 05 19 16-0692		#10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0674)</small>			
26 05 19 16-0693	LF	3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.18		0.64
26 05 19 16-0694	LF	4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.64		0.64
26 05 19 16-0695	LF	5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	5.11		0.64
26 05 19 16-0696		Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0541)</small>			
		Note: Includes thermoplastic elastomeric (TPE) insulation.			
26 05 19 16-0697		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0696)</small>			
26 05 19 16-0698		#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0697)</small>			
26 05 19 16-0699	LF	3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.81		0.51
26 05 19 16-0700	LF	4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.99		0.51
26 05 19 16-0701	LF	5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.99		0.64
26 05 19 16-0702		#14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0697)</small>			
26 05 19 16-0703	LF	3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.36		0.51
26 05 19 16-0704	LF	4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.70		0.51
26 05 19 16-0705	LF	5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.85		0.64
26 05 19 16-0706		#12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0697)</small>			
26 05 19 16-0707	LF	3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.91		0.51
26 05 19 16-0708	LF	4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.35		0.51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0709 LF 5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.21	0.64
26 05 19 16-0710 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0697)		
26 05 19 16-0711 LF 3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.68	0.64
26 05 19 16-0712 LF 4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.21	0.64
26 05 19 16-0713 LF 5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.51	0.64
26 05 19 16-0714 Multi-Conductor Type W Cord (26 05 19 16-0541) Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0715 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0714)		
26 05 19 16-0716 #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0715)		
26 05 19 16-0717 LF 3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.18	0.76
26 05 19 16-0718 LF 4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.56	0.89
26 05 19 16-0719 LF 5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.57	0.89
26 05 19 16-0720 #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0715)		
26 05 19 16-0721 LF 3/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.57	0.89
26 05 19 16-0722 LF 4/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.63	1.02
26 05 19 16-0723 LF 5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	8.25	1.27
26 05 19 16-0724 #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0715)		
26 05 19 16-0725 LF 3/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.53	0.89
26 05 19 16-0726 LF 4/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	8.89	1.02
26 05 19 16-0727 LF 5/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	11.42	1.27
26 05 19 16-0728 Cord Grips, Cable Reels, Extension Cords, And Accessories (26 05 19 16-0540)		
26 05 19 16-0729 Cord Grips (26 05 19 16-0728)		
26 05 19 16-0730 EA Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	79.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		23.17
26 05 19 16-0731 EA Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	79.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		23.17
26 05 19 16-0732 Cable Reels (26 05 19 16-0728) Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0733 EA 30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	599.73	63.73
26 05 19 16-0734 EA 50', 10-4, SEOW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	1,614.45	63.73
26 05 19 16-0735 EA 50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,213.34	63.73
26 05 19 16-0736 Extension Cords (26 05 19 16-0728)		
26 05 19 16-0737 EA 100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord.....	130.77	
26 05 19 16-0738 EA 100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord.....	178.95	
26 05 19 16-0739 Plugs And Connector Bodies (26 05 19 16-0728) Note: Up to 277 volts.		
26 05 19 16-0740 NEMA Twist-Lock Plugs (26 05 19 16-0739)		
26 05 19 16-0741 EA 15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	82.78	
26 05 19 16-0742 EA 15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	84.25	
26 05 19 16-0743 EA 20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	78.08	
26 05 19 16-0744 EA 20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	82.60	
26 05 19 16-0745 EA 20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	103.79	
26 05 19 16-0746 EA 20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	109.53	
26 05 19 16-0747 EA 20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	115.14	
26 05 19 16-0748 EA 30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	104.64	
26 05 19 16-0749 EA 30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	118.44	
26 05 19 16-0750 EA 30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	121.13	
26 05 19 16-0751 EA 30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	124.55	
26 05 19 16-0752 NEMA Twist-Lock Connector Bodies (26 05 19 16-0739)		
26 05 19 16-0753 EA 15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	86.93	
26 05 19 16-0754 EA 15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	92.12	
26 05 19 16-0755 EA 20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	81.19	
26 05 19 16-0756 EA 20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK).....	104.64	
26 05 19 16-0757 EA 20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK).....	119.78	
26 05 19 16-0758 EA 20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443).....	127.11	
26 05 19 16-0759 EA 20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK).....	151.78	
26 05 19 16-0760 EA 30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK).....	145.55	
26 05 19 16-0761 EA 30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK).....	176.45	
26 05 19 16-0762 EA 30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753).....	184.63	
26 05 19 16-0763 EA 30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK).....	175.71	
26 05 19 16-0764 Watertight Pin And Sleeve Plug (26 05 19 16-0739)		

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 05 19 16-0765	EA	20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W)	201.02	38.24
26 05 19 16-0766	EA	20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W)	202.83	38.24
26 05 19 16-0767	EA	20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W)	216.86	38.24
26 05 19 16-0768	EA	20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W)	220.28	42.06
26 05 19 16-0769	EA	20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W)	217.56	42.06
26 05 19 16-0770	EA	20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W)	218.37	42.06
26 05 19 16-0771	EA	30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W)	297.45	47.03
26 05 19 16-0772	EA	30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W)	290.67	47.03
26 05 19 16-0773	EA	30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W)	319.78	47.03
26 05 19 16-0774	EA	30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W)	318.58	51.62
26 05 19 16-0775	EA	30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W)	306.82	51.62
26 05 19 16-0776	EA	30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W)	314.91	51.62
26 05 19 16-0777	EA	60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W)	401.93	61.18
26 05 19 16-0778	EA	60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W)	408.38	61.18
26 05 19 16-0779	EA	60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W)	393.08	61.18
26 05 19 16-0780	EA	60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W)	446.33	68.06
26 05 19 16-0781	EA	60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W)	436.29	68.06
26 05 19 16-0782	EA	60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W)	440.63	68.06
26 05 19 16-0783	EA	100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W)	545.47	76.47
26 05 19 16-0784	EA	100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W)	570.39	76.47
26 05 19 16-0785	EA	100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W)	563.90	84.12
26 05 19 16-0786	EA	100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W)	555.39	84.12
26 05 19 16-0787	EA	100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W)	559.99	84.12

26 05 19 16-0788 Watertight Pin And Sleeve Connector (26 05 19 16-0739)

26 05 19 16-0789	EA	20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W)	211.41	38.24
26 05 19 16-0790	EA	20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W)	212.66	38.24
26 05 19 16-0791	EA	20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W)	244.96	38.24
26 05 19 16-0792	EA	20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W)	246.45	42.06
26 05 19 16-0793	EA	20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W)	243.18	42.06
26 05 19 16-0794	EA	20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W)	246.14	42.06
26 05 19 16-0795	EA	30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W)	303.66	47.03
26 05 19 16-0796	EA	30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W)	303.59	47.03
26 05 19 16-0797	EA	30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W)	314.73	47.03
26 05 19 16-0798	EA	30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)	315.56	51.62
26 05 19 16-0799	EA	30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)	317.85	51.62
26 05 19 16-0800	EA	30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)	315.43	51.62
26 05 19 16-0801	EA	60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)	465.59	61.18
26 05 19 16-0802	EA	60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)	451.95	61.18
26 05 19 16-0803	EA	60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)	443.82	61.18
26 05 19 16-0804	EA	60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)	484.23	68.06
26 05 19 16-0805	EA	60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)	496.09	68.06
26 05 19 16-0806	EA	60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)	496.96	68.06
26 05 19 16-0807	EA	100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)	615.30	76.47
26 05 19 16-0808	EA	100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)	630.95	76.47
26 05 19 16-0809	EA	100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)	683.01	84.12
26 05 19 16-0810	EA	100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)	661.52	84.12
26 05 19 16-0811	EA	100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)	668.85	84.12

26 05 19 16-0812 Accessories (26 05 19 16-0728)

26 05 19 16-0813	EA	1/2" Straight Steel Cord Connector	46.57	12.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 05 19 16-0814	EA	1/2" Straight Nylon Cord Connector	29.66	9.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.74	
26 05 19 16-0815	EA	1/2" 90 Degree Steel Cord Connector	54.53	15.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.56	
26 05 19 16-0816	EA	1/2" 90 Degree Nylon Cord Connector	36.82	12.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 05 19 16-0817	EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh	54.01	15.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.56	
26 05 19 16-0818	EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	85.82	19.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.47	
26 05 19 16-0819	EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh	36.42	12.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 05 19 16-0820	EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	56.45	15.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.56	
26 05 19 16-0821	EA	3/4" Straight Steel Cord Connector	48.06	12.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 05 19 16-0822	EA	3/4" Straight Nylon Cord Connector	30.40	9.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.74	
26 05 19 16-0823	EA	3/4" 90 Degree Steel Cord Connector	59.17	15.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.56	
26 05 19 16-0824	EA	3/4" 90 Degree Nylon Cord Connector	39.15	12.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 05 19 16-0825	EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh	61.94	19.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.47	
26 05 19 16-0826	EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	73.27	22.30
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.38	
26 05 19 16-0827	EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh	44.35	15.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.56	
26 05 19 16-0828	EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	53.46	19.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.47	
26 05 19 16-0829	EA	1" Straight Steel Cord Connector	57.58	12.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0830	EA		1" Straight Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.16 5.74	9.56
26 05 19 16-0831	EA		1" 90 Degree Steel Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.45 9.56	15.93
26 05 19 16-0832	EA		1" 90 Degree Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.29 7.65	12.75
26 05 19 16-0833	EA		1" Straight Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.93 11.47	19.12
26 05 19 16-0834	EA		1" 90 Degree Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.87 13.38	22.30
26 05 19 16-0835	EA		1" Straight Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.43 9.56	15.93
26 05 19 16-0836	EA		1" 90 Degree Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.75 11.47	19.12

26 05 23 Control-Voltage Electrical Power Cables (26 05)

26 05 23 00-0001 Cable For Sound System (26 05 23)

26 05 23 00-0002 Shielded Conductors (26 05 23 00-0001)

Note: One pair, stranded or solid, copper, PVC jacketed, sizes as indicated on tasks.

26 05 23 00-0003	MLF		1 Pair #20 AWG Sound System, Placed In Conduit, Shielded.....	939.30	466.08
26 05 23 00-0004	MLF		1 Pair #14 AWG Sound System, Placed In Conduit, Shielded.....	1,320.45	466.08
26 05 23 00-0005	MLF		3 Conductor, #16 AWG Sound System, Placed In Conduit, Shielded	1,146.83	276.11
26 05 23 00-0006	MLF		6 Conductor, #18 AWG Sound System, Placed In Conduit, Shielded	1,199.03	282.44

26 05 23 00-0007 Cable For HVAC System Controls (26 05 23)

26 05 23 00-0008 Low Voltage Thermostat Cable To 300 Volts (26 05 23 00-0007)

Note: For surface or conduit installation.

26 05 23 00-0009	MLF		#20/2 Conductor, Low Volt Thermostat Cable	456.04	148.56
26 05 23 00-0010	MLF		#20/3 Conductor, Low Volt Thermostat Cable	508.73	156.48
26 05 23 00-0011	MLF		#20/4 Conductor, Low Volt Thermostat Cable	547.55	165.46
26 05 23 00-0012	MLF		#20/5 Conductor, Low Volt Thermostat Cable	631.20	172.45
26 05 23 00-0013	MLF		#20/6 Conductor, Low Volt Thermostat Cable	659.26	180.60
26 05 23 00-0014	MLF		#20/7 Conductor, Low Volt Thermostat Cable	717.90	188.12
26 05 23 00-0015	MLF		#20/8 Conductor, Low Volt Thermostat Cable	769.95	195.64
26 05 23 00-0016	MLF		#20/9 Conductor, Low Volt Thermostat Cable	827.74	203.44
26 05 23 00-0017	MLF		#20/10 Conductor, Low Volt Thermostat Cable	882.01	209.55
26 05 23 00-0018	MLF		#18/2 Conductor, Low Volt Thermostat Cable	483.58	148.56
26 05 23 00-0019	MLF		#18/3 Conductor, Low Volt Thermostat Cable	557.87	156.48
26 05 23 00-0020	MLF		#18/4 Conductor, Low Volt Thermostat Cable	625.50	165.46
26 05 23 00-0021	MLF		#18/5 Conductor, Low Volt Thermostat Cable	663.38	172.45
26 05 23 00-0022	MLF		#18/6 Conductor, Low Volt Thermostat Cable	723.90	180.60
26 05 23 00-0023	MLF		#18/7 Conductor, Low Volt Thermostat Cable	747.58	188.12
26 05 23 00-0024	MLF		#18/8 Conductor, Low Volt Thermostat Cable	815.25	195.64
26 05 23 00-0025	MLF		#18/9 Conductor, Low Volt Thermostat Cable	936.42	203.44
26 05 23 00-0026	MLF		#18/10 Conductor, Low Volt Thermostat Cable	1,016.05	209.55

26 05 26 Grounding And Bonding For Electrical Systems (26 05)

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers (26 05 26)

26 05 26 00-0002 Single Conductor (26 05 26 00-0001)

26 05 26 00-0003 Copper Bare Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0004	MLF		12 AWG Copper Bare Single Stranded Conductor	582.02	245.82
26 05 26 00-0005	MLF		10 AWG Copper Bare Single Stranded Conductor	734.11	245.82
26 05 26 00-0006	MLF		8 AWG Copper Bare Single Stranded Conductor	887.20	296.11
26 05 26 00-0007	MLF		6 AWG Copper Bare Single Stranded Conductor	1,150.53	296.11
26 05 26 00-0008	MLF		4 AWG Copper Bare Single Stranded Conductor	1,483.93	357.57
26 05 26 00-0009	MLF		2 AWG Copper Bare Single Stranded Conductor	2,226.08	357.57
26 05 26 00-0010	MLF		1 AWG Copper Bare Single Stranded Conductor	2,548.19	430.20
26 05 26 00-0011	MLF		1/0 AWG Copper Bare Single Stranded Conductor	2,979.39	430.20
26 05 26 00-0012	MLF		2/0 AWG Copper Bare Single Stranded Conductor	4,077.15	541.93
26 05 26 00-0013	MLF		3/0 AWG Copper Bare Single Stranded Conductor	4,977.85	541.93
26 05 26 00-0014	MLF		4/0 AWG Copper Bare Single Stranded Conductor	5,343.98	720.72
26 05 26 00-0015	MLF		250 MCM Copper Bare Single Stranded Conductor	6,755.03	720.72
26 05 26 00-0016	MLF		300 MCM Copper Bare Single Stranded Conductor	6,819.44	832.45
26 05 26 00-0017	MLF		350 MCM Copper Bare Single Stranded Conductor	9,018.60	832.45
26 05 26 00-0018	MLF		500 MCM Copper Bare Single Stranded Conductor	12,200.44	1,028.00

26 05 26 00-0019 Copper Insulated Single Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0020	MLF		12 AWG Copper Insulated Single Stranded Conductor	972.67	335.22
26 05 26 00-0021	MLF		10 AWG Copper Insulated Single Stranded Conductor	1,068.74	335.22
26 05 26 00-0022	MLF		8 AWG Copper Insulated Single Stranded Conductor	1,339.62	335.22
26 05 26 00-0023	MLF		6 AWG Copper Insulated Single Stranded Conductor	1,551.42	581.05
26 05 26 00-0024	MLF		4 AWG Copper Insulated Single Stranded Conductor	2,039.53	581.05
26 05 26 00-0025	MLF		2 AWG Copper Insulated Single Stranded Conductor	2,804.90	581.05
26 05 26 00-0026	MLF		1 AWG Copper Insulated Single Stranded Conductor	3,350.79	1,016.83
26 05 26 00-0027	MLF		1/0 AWG Copper Insulated Single Stranded Conductor	4,048.92	1,016.83
26 05 26 00-0028	MLF		2/0 AWG Copper Insulated Single Stranded Conductor	4,685.02	1,016.83
26 05 26 00-0029	MLF		3/0 AWG Copper Insulated Single Stranded Conductor	5,506.08	1,016.83

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 26 00-030	MLF	4/0 AWG Copper Insulated Single Stranded Conductor	6,429.64	1,329.70
26 05 26 00-031	MLF	250 MCM Copper Insulated Single Stranded Conductor	7,677.40	1,329.70
26 05 26 00-032	MLF	300 MCM Copper Insulated Single Stranded Conductor	8,873.61	1,329.70
26 05 26 00-033	MLF	350 MCM Copper Insulated Single Stranded Conductor	10,546.75	2,067.18
26 05 26 00-034	MLF	500 MCM Copper Insulated Single Stranded Conductor	13,572.72	2,067.18
26 05 26 00-0035		Copper Bare Single Solid Conductors (26 05 26 00-0002)		
26 05 26 00-0036	MLF	12 AWG Copper Bare Single Solid Conductor	582.02	245.82
26 05 26 00-0037	MLF	10 AWG Copper Bare Single Solid Conductor	734.11	245.82
26 05 26 00-0038	MLF	8 AWG Copper Bare Single Solid Conductor	887.20	296.11
26 05 26 00-0039	MLF	6 AWG Copper Bare Single Solid Conductor	1,150.53	296.11
26 05 26 00-0040	MLF	4 AWG Copper Bare Single Solid Conductor	1,483.93	357.57
26 05 26 00-0041	MLF	2 AWG Copper Bare Single Solid Conductor	2,226.08	357.57
26 05 26 00-0042	MLF	1/0 AWG Copper Bare Single Solid Conductor	2,979.39	430.20
26 05 26 00-0043	MLF	4/0 AWG Copper Bare Single Solid Conductor	5,343.98	569.87
26 05 26 00-0044		Copper Smooth Woven Conductors (26 05 26 00-0002)		
26 05 26 00-0045	LF	29 Strand x 17 AWG Smooth Weave Copper Conductor	3.28	0.81
26 05 26 00-0046	LF	32 Strand x 17 AWG Smooth Weave Copper Conductor	3.48	0.87
26 05 26 00-0047	LF	36 Strand x 17 AWG Smooth Weave Copper Conductor	4.25	1.04
26 05 26 00-0048	LF	40 Strand x 17 AWG Smooth Weave Copper Conductor	4.48	1.07
26 05 26 00-0049	LF	24 Strand x 14 AWG Smooth Weave Copper Conductor	5.42	1.22
26 05 26 00-0050	LF	29 Strand x 17 AWG Tinned Smooth Weave Copper Conductor	3.53	0.81
26 05 26 00-0051	LF	32 Strand x 17 AWG Tinned Smooth Weave Copper Conductor	3.81	0.87
26 05 26 00-0052	LF	40 Strand x 17 AWG Tinned Smooth Weave Copper Conductor	4.56	1.07
26 05 26 00-0053		Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0054	MLF	8 AWG Aluminum Bare Single Stranded Conductor	673.59	296.11
26 05 26 00-0055	MLF	6 AWG Aluminum Bare Single Stranded Conductor	730.92	296.11
26 05 26 00-0056	MLF	4 AWG Aluminum Bare Single Stranded Conductor	819.09	357.57
26 05 26 00-0057	MLF	2 AWG Aluminum Bare Single Stranded Conductor	995.55	357.57
26 05 26 00-0058	MLF	1 AWG Aluminum Bare Single Stranded Conductor	1,118.56	430.20
26 05 26 00-0059	MLF	1/0 AWG Aluminum Bare Single Stranded Conductor	1,280.72	430.20
26 05 26 00-0060	MLF	2/0 AWG Aluminum Bare Single Stranded Conductor	1,454.76	541.93
26 05 26 00-0061	MLF	3/0 AWG Aluminum Bare Single Stranded Conductor	1,656.31	541.93
26 05 26 00-0062	MLF	4/0 AWG Aluminum Bare Single Stranded Conductor	1,978.22	720.72
26 05 26 00-0063	MLF	250 MCM Aluminum Bare Single Stranded Conductor	2,194.87	720.72
26 05 26 00-0064	MLF	300 MCM Aluminum Bare Single Stranded Conductor	2,542.00	832.45
26 05 26 00-0065	MLF	350 MCM Aluminum Bare Single Stranded Conductor	2,843.25	832.45
26 05 26 00-0066	MLF	500 MCM Aluminum Bare Single Stranded Conductor	3,362.16	1,028.00
26 05 26 00-0067		Aluminum Bare Single Solid Conductors (26 05 26 00-0002)		
26 05 26 00-0068	MLF	8 AWG Aluminum Bare Single Solid Conductor	673.59	296.11
26 05 26 00-0069	MLF	6 AWG Aluminum Bare Single Solid Conductor	730.92	296.11
26 05 26 00-0070	MLF	4 AWG Aluminum Bare Single Solid Conductor	819.09	357.57
26 05 26 00-0071	MLF	2 AWG Aluminum Bare Single Solid Conductor	995.55	357.57
26 05 26 00-0072	MLF	1 AWG Aluminum Bare Single Solid Conductor	1,073.47	569.87
26 05 26 00-0073	MLF	1/0 AWG Aluminum Bare Single Solid Conductor	1,280.72	569.87
26 05 26 00-0074	MLF	2/0 AWG Aluminum Bare Single Solid Conductor	1,343.06	541.93
26 05 26 00-0075	MLF	3/0 AWG Aluminum Bare Single Solid Conductor	1,431.38	541.93
26 05 26 00-0076	MLF	4/0 AWG Aluminum Bare Single Solid Conductor	1,978.22	720.72
26 05 26 00-0077	MLF	250 MCM Aluminum Bare Single Solid Conductor	2,194.87	720.72
26 05 26 00-0078	MLF	300 MCM Aluminum Bare Single Solid Conductor	2,542.00	832.45
26 05 26 00-0079	MLF	350 MCM Aluminum Bare Single Solid Conductor	2,843.25	832.45
26 05 26 00-0080	MLF	500 MCM Aluminum Bare Single Solid Conductor	3,362.16	1,028.00
26 05 26 00-0081		Aluminum Smooth Woven Conductors (26 05 26 00-0002)		
26 05 26 00-0082	LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.65	0.88
26 05 26 00-0083	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.93	0.97
26 05 26 00-0084	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.43	1.11
26 05 26 00-0085	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.47	1.13
26 05 26 00-0086	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.63	1.18
26 05 26 00-0087		Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.				
26 05 26 00-0088	EA	100 Amp, Copper Flexible Braid Jumper Strap, 12" Length	120.32	31.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.12	
26 05 26 00-0089	EA	225 Amp, Copper Flexible Braid Jumper Strap, 12" Length	196.73	38.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.94	
26 05 26 00-0090	EA	225 Amp, Copper Flexible Braid Jumper Strap, 18" Length	244.88	38.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.94	
26 05 26 00-0091	EA	225 Amp, Copper Flexible Braid Jumper Strap, 24" Length	292.38	38.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.94	
26 05 26 00-0092	EA	400 Amp, Copper Flexible Braid Jumper Strap, 12" Length	262.47	41.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.68	
26 05 26 00-0093	EA	400 Amp, Copper Flexible Braid Jumper Strap, 18" Length	331.74	41.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0094	EA		400 Amp, Copper Flexible Braid Jumper Strap, 24" Length <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	391.93 28.68	41.42
26 05 26 00-0095	EA		600 Amp, Copper Flexible Braid Jumper Strap, 12" Length <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	335.39 31.55	52.58
26 05 26 00-0096	EA		800 Amp, Copper Flexible Braid Jumper Strap, 12" Length <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	403.66 38.24	63.73
26 05 26 00-0097			Bonding Jumper For Metallic Conduit <small>(26 05 26 00-0001)</small>		
26 05 26 00-0098	EA		1/2" To 1" Conductor, Bonding Jumper - Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.95 39.83	70.10
26 05 26 00-0099	EA		1-1/4" To 2" Conductor, Bonding Jumper - Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	216.73 49.02	70.10
26 05 26 00-0100	EA		2-1/2" To 4" Conductor, Bonding Jumper - Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	302.62 57.93	108.34
26 05 26 00-0101	EA		5" To 6" Conductor, Bonding Jumper - Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	431.44 70.81	108.34
26 05 26 00-0102			Ground Rods <small>(26 05 26)</small>		
26 05 26 00-0103			Copper-Clad Ground Rods <small>(26 05 26 00-0102)</small>		
26 05 26 00-0104	EA		1/2" Diameter x 8' Long Copper-Clad Ground Rods	106.25	95.59
26 05 26 00-0105	EA		5/8" Diameter x 8' Long Copper-Clad Ground Rods	110.43	95.59
26 05 26 00-0106	EA		3/4" Diameter x 8' Long Copper-Clad Ground Rods	127.30	95.59
26 05 26 00-0107	EA		1/2" Diameter x 10' Long Copper-Clad Ground Rods	124.85	95.59
26 05 26 00-0108	EA		5/8" Diameter x 10' Long Copper-Clad Ground Rods	130.07	95.59
26 05 26 00-0109	EA		3/4" Diameter x 10' Long Copper-Clad Ground Rods	151.16	95.59
26 05 26 00-0110			Ground Access Wells <small>(26 05 26 00-0102)</small>		
26 05 26 00-0111			Precast Ground Access Wells <small>(26 05 26 00-0110)</small>		
26 05 26 00-0112	EA		8" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	213.16	
26 05 26 00-0113	EA		10" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	224.44	
26 05 26 00-0114	EA		12" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	543.29	
26 05 26 00-0115	EA		18" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	554.57	
26 05 26 00-0116			Polyvinyl Chloride (PVC) Ground Access Well <small>(26 05 26 00-0110)</small>		
26 05 26 00-0117	EA		10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	444.97	
26 05 26 00-0118	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	520.21	
26 05 26 00-0119	EA		18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	949.34	
26 05 26 00-0120	EA		10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	426.19	
26 05 26 00-0121	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	320.92	
26 05 26 00-0122	EA		18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	911.29	
26 05 26 00-0123	EA		8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	246.02	
26 05 26 00-0124	EA		10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	263.27	
26 05 26 00-0125	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	277.73	
26 05 26 00-0126	EA		8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	193.47	
26 05 26 00-0127	EA		10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	278.41	
26 05 26 00-0128	EA		8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	478.82	
26 05 26 00-0129	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	630.07	
26 05 26 00-0130	EA		8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	389.82	
26 05 26 00-0131	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	557.34	
26 05 26 00-0132	EA		10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	584.15	
26 05 26 00-0133	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	711.47	
26 05 26 00-0134	EA		12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	324.02	
26 05 26 00-0135	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	551.98	
26 05 26 00-0136	EA		12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	593.36	
26 05 26 00-0137			Polymer Concrete Ground Access Well <small>(26 05 26 00-0110)</small>		
26 05 26 00-0138	EA		12" x 12" x 12" Polymer Concrete Ground Access Well	350.48	
26 05 26 00-0139	EA		12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well	381.13	

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 26 00-0140	EA	12" x 12" x 18" Polymer Concrete Ground Access Well.....		383.95	
26 05 26 00-0141	EA	12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well		417.53	
26 05 26 00-0142	EA	12" x 12" x 24" Polymer Concrete Ground Access Well.....		418.59	
26 05 26 00-0143	EA	12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well.....		455.39	
26 05 26 00-0144	EA	13" x 24" x 18" Polymer Concrete Ground Access Well.....		545.84	
26 05 26 00-0145	EA	13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well		595.53	
26 05 26 00-0146		High Density Polyethylene (HDPE) Ground Access Well <small>(26 05 26 00-0110)</small>			
26 05 26 00-0147	EA	9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well		146.46	
		Note: With cover.			
26 05 26 00-0148	EA	14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well		199.24	
		Note: With cover.			
26 05 26 00-0149		Ground Rod Clamps And Fittings <small>(26 05 26)</small>			
26 05 26 00-0150		Bronze Ground Rod Clamp <small>(26 05 26 00-0149)</small>			
26 05 26 00-0151	EA	1/2" Bronze Ground Rod Clamp		25.04	14.40
26 05 26 00-0152	EA	5/8" Bronze Ground Rod Clamp		26.09	14.40
26 05 26 00-0153	EA	3/4" Bronze Ground Rod Clamp		27.59	14.40
26 05 26 00-0154		Bronze Pipe Clamps <small>(26 05 26 00-0149)</small>			
26 05 26 00-0155	EA	1/2" To 1" Bronze Pipe Ground Clamps.....		33.50	23.96
26 05 26 00-0156	EA	1-1/4" To 2" Bronze Ground Clamps For Pipe		41.86	28.68
26 05 26 00-0157	EA	2-1/2" To 3" Bronze Ground Clamps For Pipe		58.18	33.52
26 05 26 00-0158	EA	2-1/2" To 4" Bronze Ground Clamps For Pipe		72.10	43.08
26 05 26 00-0159	EA	4" To 6" Bronze Ground Clamps For Pipe		108.73	62.20
26 05 26 00-0160		Grounding Fittings <small>(26 05 26 00-0149)</small>			
26 05 26 00-0161		Embedded Fittings <small>(26 05 26 00-0160)</small>			
26 05 26 00-0162	EA	Ground Insert With 2 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded		168.45	
26 05 26 00-0163	EA	Ground Insert With 4 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded		177.99	
26 05 26 00-0164	EA	Ground Insert With 4 - 3/8 x 16 Holes 250-500 MCM Cable Range, Embedded.....		194.93	
26 05 26 00-0165	EA	#8 - 1 AWG, Copper To Aluminum, Grounding Wire Splice.....		167.62	
26 05 26 00-0166	EA	1/0 - 3/0 AWG, Copper To Aluminum, Grounding Wire Splice.....		200.87	
26 05 26 00-0167	EA	4/0 - 300 MCM, Copper To Aluminum, Grounding Wire Splice.....		235.49	
26 05 26 00-0168	EA	350 MCM And Up, Copper To Aluminum, Grounding Wire Splice.....		265.13	
26 05 26 00-0169		Ground Rod Receptacle <small>(26 05 26 00-0160)</small>			
26 05 26 00-0170	EA	1/2" Ground Rod Receptacle		362.48	132.55
26 05 26 00-0171	EA	5/8" Ground Rod Receptacle		378.33	136.29
26 05 26 00-0172	EA	3/4" Ground Rod Receptacle		394.56	139.99
26 05 26 00-0173		Ground Kits For Circuit Breaker Panels <small>(26 05 26 00-0160)</small>			
26 05 26 00-0174	EA	14-8 AWG Copper Ground Kit		81.72	31.87
26 05 26 00-0175	EA	12-8 AWG Aluminum Ground Kit		76.50	31.87
26 05 26 00-0176	EA	14-4 AWG Copper Ground Kit		89.74	31.87
26 05 26 00-0177	EA	12-4 AWG Aluminum Ground Kit		85.44	31.87
26 05 26 00-0178		Insulated Grounding Bars <small>(26 05 26 00-0149)</small>			
26 05 26 00-0179	EA	Insulated Ground Bar 1/2" x 4" x 10".....		332.42	31.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		57.35	
26 05 26 00-0180	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20".....		347.93	31.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		57.35	
26 05 26 00-0181		Ground Conductor Bonding <small>(26 05 26)</small>			
26 05 26 00-0182		Ground Conductor Bonding <small>(26 05 26 00-0181)</small>			
26 05 26 00-0183		Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld <small>(26 05 26 00-0182)</small>			
26 05 26 00-0184	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel		138.41	
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0185	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....		151.15	
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0186	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....		163.90	
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0187	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel		240.36	
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0188		Tee, Wye Or Cross Cadweld <small>(26 05 26 00-0182)</small>			
26 05 26 00-0189	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross.....		157.52	
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0190	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross		183.01	
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0191	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross		227.63	
		Note: Includes molds, materials and all necessary tools to make connections.			

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

26 05 26 00-0192	EA			250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross.....278.60 Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0193 Grounding Equipment (26 05 26)							
26 05 26 00-0194 Special Grounding Equipment (26 05 26 00-0193)							
26 05 26 00-0195 Ground Reels And Ground Bus (26 05 26 00-0194)							
26 05 26 00-0196	EA			Ground Reel With 50' Of Galvanized Steel Cable .....744.72			
26 05 26 00-0197 Copper Bars (26 05 26 00-0194)							
26 05 26 00-0198	LF			1/4" x 2" Copper Bar.....43.58			
26 05 26 00-0199 Phenolic Insulators (26 05 26 00-0194)							
26 05 26 00-0200	EA			2" x 2" x 1" Long Phenolic Insulators.....32.69 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.65			
26 05 26 00-0201 Grounding Studs (26 05 26 00-0194)							
26 05 26 00-0202	EA			Ball Grounding Stud.....47.46 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 11.42			
26 05 26 00-0203 Equipment Ground Bar Kits (26 05 26 00-0194)							
26 05 26 00-0204	EA			Switch Rating 30 Ground Bar Kit.....36.28 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.65			
26 05 26 00-0205	EA			Switch Rating 60 Ground Bar Kit.....45.81 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 8.41			
26 05 26 00-0206	EA			Switch Rating 100 Ground Bar Kit.....53.29 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 9.56			
26 05 26 00-0207	EA			Switch Rating 200 Ground Bar Kit.....90.38 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 11.47			
26 05 26 00-0208 Panelboard Ground Bar Kits (26 05 26 00-0194)							
26 05 26 00-0209	EA			Panelboard Ground Bar Kit.....128.17 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 9.56		9.56	
26 05 26 00-0210 Circuit Breaker Ground Bar Kits (26 05 26 00-0194)							
26 05 26 00-0211	EA			3 Circuit, Ground Bar Kit.....29.91 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.74		5.74	
26 05 26 00-0212	EA			4 Circuit, Ground Bar Kit.....29.41 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.74		5.74	
26 05 26 00-0213	EA			7 Circuit, Ground Bar Kit.....30.24 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.74		5.74	
26 05 26 00-0214	EA			12 Circuit, Ground Bar Kit.....34.29 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.50		6.50	
26 05 26 00-0215	EA			20 Circuit, Ground Bar Kit.....39.00 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.27		7.26	
26 05 26 00-0216	EA			24 Circuit, Ground Bar Kit.....43.04 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 8.03		8.03	
26 05 26 00-0217	EA			30 Circuit, Ground Bar Kit.....48.18 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 9.17		9.17	
26 05 26 00-0218	EA			54 Circuit, Ground Bar Kit.....55.78 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 10.71		10.71	
26 05 26 00-0219	EA			24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....59.81 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 8.03		8.03	
26 05 26 00-0220	EA			30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....66.28 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 9.17		9.17	
26 05 26 00-0221	EA			54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....74.04 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 10.71		10.71	
26 05 29 Hangers And Supports For Electrical Systems (26 05)							
26 05 29 00-0001 Metal Framing Channel And Fittings (26 05 29)							
26 05 29 00-0002 Metal Framing Channel (26 05 29 00-0001) Note: Excludes fasteners and accessories.							
26 05 29 00-0003 14 Gauge Metal Framing Channels (26 05 29 00-0002)							
26 05 29 00-0004 14 Gauge, Steel Unistrut Channel (26 05 29 00-0003)							
26 05 29 00-0005	EA			Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....20.55		6.99	
26 05 29 00-0006	EA			>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....21.29		6.99	
26 05 29 00-0007	LF			>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....9.49		2.62	
26 05 29 00-0008 14 Gauge, 304 Stainless Steel Unistrut Channel (26 05 29 00-0003)							
26 05 29 00-0009	EA			Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....29.41		6.99	
26 05 29 00-0010	EA			Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....31.81		6.99	
26 05 29 00-0011	EA			>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....39.00		6.99	
26 05 29 00-0012	EA			>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....43.81		6.99	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 29 00-0013	LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	18.35	2.63
26 05 29 00-0014	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	20.75	2.63
26 05 29 00-0015		14 Gauge, 316 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0016	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	39.78	6.99
26 05 29 00-0017	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	59.75	6.99
26 05 29 00-0018	LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	28.72	2.63
26 05 29 00-0019		12 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small>		
26 05 29 00-0020		12 Gauge, Steel Unistrut Channel <small>(26 05 29 00-0019)</small>		
26 05 29 00-0021	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	21.58	6.99
26 05 29 00-0022	EA	Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	21.24	6.99
26 05 29 00-0023	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	21.01	6.99
26 05 29 00-0024	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	23.35	6.99
26 05 29 00-0025	EA	>1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	22.65	6.99
26 05 29 00-0026	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	22.20	6.99
26 05 29 00-0027	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	10.52	2.62
26 05 29 00-0028	LF	>2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	10.18	2.62
26 05 29 00-0029	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	9.95	2.62
26 05 29 00-0030		12 Gauge, 304 Stainless Steel Unistrut Channel <small>(26 05 29 00-0019)</small>		
26 05 29 00-0031	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	32.61	6.99
26 05 29 00-0032	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	36.75	6.99
26 05 29 00-0033	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	45.40	6.99
26 05 29 00-0034	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	53.69	6.99
26 05 29 00-0035	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	21.55	2.62
26 05 29 00-0036	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	25.69	2.62
26 05 29 00-0037		Metal Framing Channel Fittings <small>(26 05 29 00-0001)</small>		
26 05 29 00-0038		Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0037)</small>		
26 05 29 00-0039		Steel Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0038)</small>		
26 05 29 00-0040	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings	4.80	0.64
26 05 29 00-0041	EA	Steel End Cap, Unistrut Channel Fittings.....	14.15	6.38
26 05 29 00-0042		Stainless Steel Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0038)</small>		
26 05 29 00-0043	EA	Stainless Steel End Cap For Unistrut Channel	18.96	6.38
26 05 29 00-0044		Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0045		Steel Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0044)</small>		
26 05 29 00-0046	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	5.17	
26 05 29 00-0047	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	5.14	
26 05 29 00-0048	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	6.06	
26 05 29 00-0049		Stainless Steel Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0044)</small>		
26 05 29 00-0050	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	12.51	
26 05 29 00-0051	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	18.15	
26 05 29 00-0052	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	22.92	
26 05 29 00-0053		90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0054		Steel 90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0053)</small>		
26 05 29 00-0055	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	5.04	
26 05 29 00-0056	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	4.37	
26 05 29 00-0057	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	6.86	
26 05 29 00-0058	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	6.78	
26 05 29 00-0059		Stainless Steel 90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0053)</small>		
26 05 29 00-0060	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	7.57	
26 05 29 00-0061	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	9.22	
26 05 29 00-0062	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	7.97	
26 05 29 00-0063	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	10.92	
26 05 29 00-0064	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	10.06	
26 05 29 00-0065	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	17.76	
26 05 29 00-0066	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	10.53	
26 05 29 00-0067	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	14.84	
26 05 29 00-0068		60 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0069		Steel 60 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0068)</small>		
26 05 29 00-0070	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	9.41	

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

26 05 29 00-0071		U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0072		Steel, U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0071)</small>		
26 05 29 00-0073	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting.....	3.93	
26 05 29 00-0074	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting.....	4.28	
26 05 29 00-0075		Stainless Steel, U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0071)</small>		
26 05 29 00-0076	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting.....	14.74	
26 05 29 00-0077		Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0078		Steel Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0077)</small>		
26 05 29 00-0079	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting.....	9.63	
26 05 29 00-0080		Stainless Steel Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0077)</small>		
26 05 29 00-0081	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting.....	27.77	
26 05 29 00-0082		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0037)</small>		
		Note: Includes hex screw and nut.		
26 05 29 00-0083		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
		Note: Includes hex screw and nut.		
26 05 29 00-0084	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	4.81	1.91
26 05 29 00-0085	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	4.82	1.91
26 05 29 00-0086	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	4.90	1.91
26 05 29 00-0087	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	6.28	2.56
26 05 29 00-0088	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	6.68	2.56
26 05 29 00-0089	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	6.72	2.56
26 05 29 00-0090	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.29	3.19
26 05 29 00-0091	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.64	3.19
26 05 29 00-0092	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.98	3.19
26 05 29 00-0093	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.10	3.19
26 05 29 00-0094		304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
		Note: Includes hex screw and nut.		
26 05 29 00-0095	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	6.86	1.91
26 05 29 00-0096	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	7.48	1.91
26 05 29 00-0097	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.11	1.91
26 05 29 00-0098	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.21	2.56
26 05 29 00-0099	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	11.96	2.56
26 05 29 00-0100	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	12.41	2.56
26 05 29 00-0101	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	15.00	3.19
26 05 29 00-0102	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	16.56	3.19
26 05 29 00-0103	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	17.23	3.19
26 05 29 00-0104	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	19.69	3.19
26 05 29 00-0105		316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
		Note: Includes hex screw and nut.		
26 05 29 00-0106	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	7.24	1.91
26 05 29 00-0107	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.13	1.91
26 05 29 00-0108	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.38	1.91
26 05 29 00-0109	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.33	2.56
26 05 29 00-0110	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	13.39	2.56
26 05 29 00-0111	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	13.54	2.56
26 05 29 00-0112	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	16.18	3.19
26 05 29 00-0113	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	16.97	3.19
26 05 29 00-0114	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	22.60	3.19
26 05 29 00-0115	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	26.04	3.19
26 05 29 00-0116		Beam Clamps, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0117		Steel Beam Clamps, Unistrut Channel Fittings <small>(26 05 29 00-0116)</small>		
26 05 29 00-0118	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting.....	33.62	11.65
26 05 29 00-0119	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings.....	25.70	11.65
26 05 29 00-0120	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting.....	32.82	11.65
26 05 29 00-0121		304 Stainless Steel Beam Clamps, Unistrut Channel Fittings <small>(26 05 29 00-0116)</small>		
26 05 29 00-0122	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting.....	41.95	11.65
26 05 29 00-0123		Square Washers For Unistrut Channel <small>(26 05 29 00-0037)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0124			Steel Square Washers For Unistrut Channel (26 05 29 00-0123)		
26 05 29 00-0125	EA		1/2" Bolt Size, Steel, Square Washer For Unistrut Channel.....	3.76	
26 05 29 00-0126			Stainless Steel Square Washers For Unistrut Channel (26 05 29 00-0123)		
26 05 29 00-0127	EA		1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel.....	4.07	
26 05 29 00-0128	EA		1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel.....	4.93	
26 05 29 00-0129			Strut Braces, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0130	EA		16" Diagonal Steel Bar Brace For Unistrut Channel.....	24.80	
26 05 29 00-0131			Trolley Hangers, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0132	EA		Steel Trolley Track Hanger For Unistrut Channel.....	31.20	
26 05 29 00-0133			Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0037)		
Note: Includes hex bolt.					
26 05 29 00-0134			Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0133)		
Note: Includes hex bolt.					
26 05 29 00-0135	EA		1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	7.75	
26 05 29 00-0136	EA		3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	8.23	
26 05 29 00-0137	EA		1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	8.59	
26 05 29 00-0138	EA		5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	10.55	
26 05 29 00-0139			Stainless Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0133)		
Note: Includes hex bolt.					
26 05 29 00-0140	EA		1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	13.71	
26 05 29 00-0141	EA		3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	14.29	
26 05 29 00-0142	EA		1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	18.32	
26 05 29 00-0143	EA		5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	28.06	
26 05 29 00-0144			Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0037)		
Note: Includes hex bolt.					
26 05 29 00-0145			Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144)		
Note: Includes hex bolt.					
26 05 29 00-0146	EA		1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	7.76	
26 05 29 00-0147	EA		3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	8.30	
26 05 29 00-0148	EA		1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	8.62	
26 05 29 00-0149	EA		5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	11.11	
26 05 29 00-0150			Stainless Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144)		
Note: Includes hex bolt.					
26 05 29 00-0151	EA		1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	11.13	
26 05 29 00-0152	EA		3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	12.47	
26 05 29 00-0153	EA		1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	13.18	
26 05 29 00-0154	EA		5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	27.45	
26 05 29 00-0155			Mounting Assemblies (26 05 29)		
26 05 29 00-0156			Galvanized Steel Mounting Assemblies (26 05 29 00-0155)		
26 05 29 00-0157			Galvanized Steel Back Plate (26 05 29 00-0156)		
26 05 29 00-0158	EA		1/4" x 4' x 4', Galvanized Steel Back Plate, Painted.....	417.26	76.47
26 05 29 00-0159	EA		3/8" x 14" x 16", Galvanized Steel Back Plate, Painted.....	106.69	25.49
26 05 29 00-0160	EA		3/16" x 30" x 48", Galvanized Steel Back Plate, Painted.....	269.63	63.73
26 05 29 00-0161			Aluminum Mounting Assemblies (26 05 29 00-0155)		
26 05 29 00-0162			Aluminum Back Plate (26 05 29 00-0161)		
26 05 29 00-0163	EA		3/16" x 2' x 2' Aluminum Back Plate.....	309.53	95.59
26 05 29 00-0164	EA		3/16" x 4' x 4' Aluminum Back Plate.....	760.55	95.59
26 05 29 00-0165			Supports (26 05 29)		
26 05 29 00-0166			One Hole Steel Conduit Straps (26 05 29 00-0165)		
26 05 29 00-0167	EA		1/2", One Hole Steel Conduit Strap.....	4.43	
For Work In Restricted Working Space, Add				1.22	
For Installation On Concrete (Includes Drilling And Fastener), Add				1.12	
For >50 To 100, Deduct				-0.21	
For >100 To 250, Deduct				-0.43	
For >250 To 500, Deduct				-0.84	
For >500, Deduct				-1.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 29 00-0168	EA	3/4"	One Hole Steel Conduit Strap 4.47		
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500, Deduct</i>	-1.26	
26 05 29 00-0169	EA	1"	One Hole Steel Conduit Strap 4.67		
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.28	
26 05 29 00-0170	EA	1-1/4"	One Hole Steel Conduit Strap 4.82		
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.30	
26 05 29 00-0171	EA	1-1/2"	One Hole Steel Conduit Strap 4.92		
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.88	
			<i>For >500, Deduct</i>	-1.31	
26 05 29 00-0172	EA	2"	One Hole Steel Conduit Strap 5.54		
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500, Deduct</i>	-1.37	
26 05 29 00-0173	EA	2-1/2"	One Hole Steel Conduit Strap 6.17		
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.43	
26 05 29 00-0174	EA	3"	One Hole Steel Conduit Strap 6.38		
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.99	
			<i>For >500, Deduct</i>	-1.45	
26 05 29 00-0175	EA	3-1/2"	One Hole Steel Conduit Strap 7.41		
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-1.07	
			<i>For >500, Deduct</i>	-1.56	
26 05 29 00-0176	EA	4"	One Hole Steel Conduit Strap 8.23		
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.64	
26 05 29 00-0177			One Hole Iron Conduit Straps <small>(26 05 29 00-0165)</small>		
26 05 29 00-0178	EA	1/2"	One Hole Iron Conduit Strap 4.53		
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500, Deduct</i>	-1.27	
26 05 29 00-0179	EA	3/4"	One Hole Iron Conduit Strap 4.63		
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.28	
26 05 29 00-0180	EA	1"	One Hole Iron Conduit Strap 4.80		
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.30	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0181	EA 1-1/4", One Hole Iron Conduit Strap	5.23
	For Work In Restricted Working Space, Add	1.22
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.12
	For >50 To 100, Deduct	-0.23
	For >100 To 250, Deduct	-0.47
	For >250 To 500, Deduct	-0.90
	For >500, Deduct	-1.34
26 05 29 00-0182	EA 1-1/2", One Hole Iron Conduit Strap	5.41
	For Work In Restricted Working Space, Add	1.22
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.12
	For >50 To 100, Deduct	-0.24
	For >100 To 250, Deduct	-0.47
	For >250 To 500, Deduct	-0.92
	For >500, Deduct	-1.36
26 05 29 00-0183	EA 2", One Hole Iron Conduit Strap	6.49
	For Work In Restricted Working Space, Add	1.22
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.12
	For >50 To 100, Deduct	-0.26
	For >100 To 250, Deduct	-0.53
	For >250 To 500, Deduct	-1.00
	For >500, Deduct	-1.47
26 05 29 00-0184	EA 2-1/2", One Hole Iron Conduit Strap	8.83
	For Work In Restricted Working Space, Add	1.22
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.12
	For >50 To 100, Deduct	-0.32
	For >100 To 250, Deduct	-0.65
	For >250 To 500, Deduct	-1.17
	For >500, Deduct	-1.70
26 05 29 00-0185	EA 3", One Hole Iron Conduit Strap	10.78
	For Work In Restricted Working Space, Add	1.22
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.12
	For >50 To 100, Deduct	-0.37
	For >100 To 250, Deduct	-0.74
	For >250 To 500, Deduct	-1.32
	For >500, Deduct	-1.89
26 05 29 00-0186	EA 3-1/2", One Hole Iron Conduit Strap	13.63
	For Work In Restricted Working Space, Add	1.22
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.12
	For >50 To 100, Deduct	-0.44
	For >100 To 250, Deduct	-0.89
	For >250 To 500, Deduct	-1.53
	For >500, Deduct	-2.18
26 05 29 00-0187	EA 4", One Hole Iron Conduit Strap	25.05
	For Work In Restricted Working Space, Add	1.22
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.12
	For >50 To 100, Deduct	-0.73
	For >100 To 250, Deduct	-1.46
	For >250 To 500, Deduct	-2.39
	For >500, Deduct	-3.32
26 05 29 00-0188	EA 5", One Hole Iron Conduit Strap	31.18
	For Work In Restricted Working Space, Add	1.22
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.12
	For >50 To 100, Deduct	-0.88
	For >100 To 250, Deduct	-1.76
	For >250 To 500, Deduct	-2.85
	For >500, Deduct	-3.93

26 05 29 00-0189 Two Hole Steel Conduit Straps (26 05 29 00-0185)

26 05 29 00-0190	EA 1/2", Two Hole Steel Conduit Strap	5.04
	For Work In Restricted Working Space, Add	1.38
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.35
	For >50 To 100, Deduct	-0.24
	For >100 To 250, Deduct	-0.48
	For >250 To 500, Deduct	-0.95
	For >500, Deduct	-1.42
26 05 29 00-0191	EA 3/4", Two Hole Steel Conduit Strap	5.11
	For Work In Restricted Working Space, Add	1.38
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.35
	For >50 To 100, Deduct	-0.24
	For >100 To 250, Deduct	-0.49
	For >250 To 500, Deduct	-0.96
	For >500, Deduct	-1.43
26 05 29 00-0192	EA 1", Two Hole Steel Conduit Strap	5.14
	For Work In Restricted Working Space, Add	1.38
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.35
	For >50 To 100, Deduct	-0.24
	For >100 To 250, Deduct	-0.49
	For >250 To 500, Deduct	-0.96
	For >500, Deduct	-1.43
26 05 29 00-0193	EA 1-1/4", Two Hole Steel Conduit Strap	5.19
	For Work In Restricted Working Space, Add	1.38
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.35
	For >50 To 100, Deduct	-0.24
	For >100 To 250, Deduct	-0.49
	For >250 To 500, Deduct	-0.96
	For >500, Deduct	-1.44

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0194 EA 1-1/2", Two Hole Steel Conduit Strap	5.23	
For Work In Restricted Working Space, Add	1.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.35	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.44	
26 05 29 00-0195 EA 2", Two Hole Steel Conduit Strap	5.31	
For Work In Restricted Working Space, Add	1.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.35	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.45	
26 05 29 00-0196 EA 2-1/2", Two Hole Steel Conduit Strap	5.78	
For Work In Restricted Working Space, Add	1.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.35	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-1.01	
For >500, Deduct	-1.50	
26 05 29 00-0197 EA 3", Two Hole Steel Conduit Strap	5.88	
For Work In Restricted Working Space, Add	1.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.35	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-1.01	
For >500, Deduct	-1.51	
26 05 29 00-0198 EA 3-1/2", Two Hole Steel Conduit Strap	6.25	
For Work In Restricted Working Space, Add	1.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.35	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-1.04	
For >500, Deduct	-1.54	
26 05 29 00-0199 EA 4", Two Hole Steel Conduit Strap	6.51	
For Work In Restricted Working Space, Add	1.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.35	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-1.06	
For >500, Deduct	-1.57	
26 05 29 00-0200 EA 5", Two Hole Steel Conduit Strap	6.84	
For Work In Restricted Working Space, Add	1.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.35	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-1.09	
For >500, Deduct	-1.60	
26 05 29 00-0201 Clamp Back Spacers (26 05 29 00-0165)		
26 05 29 00-0202 EA 1/2" Conduit, Clamp Back Spacer.....	3.81	
For Work In Restricted Working Space, Add	0.95	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.90	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-1.02	
26 05 29 00-0203 EA 3/4" Conduit, Clamp Back Spacer.....	4.02	
For Work In Restricted Working Space, Add	0.95	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.90	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.70	
For >500, Deduct	-1.04	
26 05 29 00-0204 EA 1" Conduit, Clamp Back Spacer.....	4.22	
For Work In Restricted Working Space, Add	0.95	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.90	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.71	
For >500, Deduct	-1.06	
26 05 29 00-0205 EA 1-1/4" Conduit, Clamp Back Spacer	4.99	
For Work In Restricted Working Space, Add	0.95	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.90	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.77	
For >500, Deduct	-1.14	
26 05 29 00-0206 EA 1-1/2" Conduit, Clamp Back Spacer	5.61	
For Work In Restricted Working Space, Add	0.95	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.90	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.82	
For >500, Deduct	-1.20	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 29 00-0207	EA 2" Conduit, Clamp Back Spacer.....	6.26	
	For Work In Restricted Working Space, Add	0.95	
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.90	
	For >50 To 100, Deduct	-0.24	
	For >100 To 250, Deduct	-0.47	
	For >250 To 500, Deduct	-0.87	
	For >500, Deduct	-1.26	
26 05 29 00-0208	EA 2-1/2" Conduit, Clamp Back Spacer.....	8.91	
	For Work In Restricted Working Space, Add	0.95	
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.90	
	For >50 To 100, Deduct	-0.30	
	For >100 To 250, Deduct	-0.60	
	For >250 To 500, Deduct	-1.07	
	For >500, Deduct	-1.53	
26 05 29 00-0209	EA 3" Conduit, Clamp Back Spacer.....	12.07	
	For Work In Restricted Working Space, Add	0.95	
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.90	
	For >50 To 100, Deduct	-0.38	
	For >100 To 250, Deduct	-0.76	
	For >250 To 500, Deduct	-1.30	
	For >500, Deduct	-1.84	
26 05 29 00-0210	EA 3-1/2" Conduit, Clamp Back Spacer.....	15.14	
	For Work In Restricted Working Space, Add	0.95	
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.90	
	For >50 To 100, Deduct	-0.46	
	For >100 To 250, Deduct	-0.92	
	For >250 To 500, Deduct	-1.53	
	For >500, Deduct	-2.15	
26 05 29 00-0211	EA 4" Conduit, Clamp Back Spacer.....	29.55	
	For Work In Restricted Working Space, Add	0.95	
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.90	
	For >50 To 100, Deduct	-0.82	
	For >100 To 250, Deduct	-1.64	
	For >250 To 500, Deduct	-2.61	
	For >500, Deduct	-3.59	
26 05 29 00-0212	EA 5" Conduit, Clamp Back Spacer.....	53.89	
	For Work In Restricted Working Space, Add	0.95	
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.90	
	For >50 To 100, Deduct	-1.43	
	For >100 To 250, Deduct	-2.85	
	For >250 To 500, Deduct	-4.44	
	For >500, Deduct	-6.03	
26 05 29 00-0213	Conduit Clips (26 05 29 00-0165)		
	Note: Push in or clip.		
26 05 29 00-0214	EA 1/2" Conduit Clip.....	4.72	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.12	
	For >50 To 100, Deduct	-0.22	
	For >100 To 250, Deduct	-0.44	
	For >250 To 500, Deduct	-0.86	
	For >500, Deduct	-1.29	
26 05 29 00-0215	EA 3/4" Conduit Clip.....	4.72	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.12	
	For >50 To 100, Deduct	-0.22	
	For >100 To 250, Deduct	-0.44	
	For >250 To 500, Deduct	-0.86	
	For >500, Deduct	-1.29	
26 05 29 00-0216	EA 1" Conduit Clip.....	4.67	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.12	
	For >50 To 100, Deduct	-0.22	
	For >100 To 250, Deduct	-0.44	
	For >250 To 500, Deduct	-0.86	
	For >500, Deduct	-1.28	
26 05 29 00-0217	EA 1-1/4" Conduit Clip.....	4.79	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.12	
	For >50 To 100, Deduct	-0.22	
	For >100 To 250, Deduct	-0.44	
	For >250 To 500, Deduct	-0.87	
	For >500, Deduct	-1.30	
26 05 29 00-0218	Bolt And Nut Conduit Clips (26 05 29 00-0165)		
26 05 29 00-0219	EA 3/4" Bolt And Nut Conduit Clip (Minerallac 1B).....	5.88	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.38	
	For >50 To 100, Deduct	-0.27	
	For >100 To 250, Deduct	-0.55	
	For >250 To 500, Deduct	-1.08	
	For >500, Deduct	-1.61	
26 05 29 00-0220	EA 1" Bolt And Nut Conduit Clip (Minerallac 2B).....	6.00	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.38	
	For >50 To 100, Deduct	-0.28	
	For >100 To 250, Deduct	-0.56	
	For >250 To 500, Deduct	-1.09	
	For >500, Deduct	-1.62	
26 05 29 00-0221	EA 1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	6.39	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.46	
	For >50 To 100, Deduct	-0.30	
	For >100 To 250, Deduct	-0.59	
	For >250 To 500, Deduct	-1.16	
	For >500, Deduct	-1.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 29 00-0222	EA		1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	6.46	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.46	
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.73	
26 05 29 00-0223	EA		2" Bolt And Nut Conduit Clip (Minerallac 5B).....	6.94	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.46	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-1.20	
			<i>For >500, Deduct</i>	-1.78	
26 05 29 00-0224	EA		2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	7.46	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.54	
			<i>For >50 To 100, Deduct</i>	-0.33	
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.89	
26 05 29 00-0225	EA		3" Bolt And Nut Conduit Clip (Minerallac 7B).....	7.88	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.54	
			<i>For >50 To 100, Deduct</i>	-0.34	
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.94	
26 05 29 00-0226	EA		4" Bolt And Nut Conduit Clip (Minerallac 9B).....	12.48	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.69	
			<i>For >50 To 100, Deduct</i>	-0.47	
			<i>For >100 To 250, Deduct</i>	-0.94	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.52	
26 05 29 00-0227			Conduit Hanger From Flange, Wire Or Rod <small>(26 05 29 00-0165)</small>		
			Note: Bat wing.		
26 05 29 00-0228	EA		1/2", Conduit Hanger From Flange, Wire Or Rod	3.45	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.86	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.64	
			<i>For >500, Deduct</i>	-0.96	
26 05 29 00-0229	EA		3/4", Conduit Hanger From Flange, Wire Or Rod	3.49	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.86	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.64	
			<i>For >500, Deduct</i>	-0.96	
26 05 29 00-0230	EA		1", Conduit Hanger From Flange, Wire Or Rod	3.58	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.86	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.97	
26 05 29 00-0231	EA		1-1/4", Conduit Hanger From Flange, Wire Or Rod	3.82	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.86	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-0.99	
26 05 29 00-0232			Beam Flange Clamps <small>(26 05 29 00-0165)</small>		
			Note: For threaded rod, nut not required.		
26 05 29 00-0233	EA		1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	4.51	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-1.09	
26 05 29 00-0234	EA		5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	4.45	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500, Deduct</i>	-1.08	
26 05 29 00-0235	EA		9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	4.82	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.76	
			<i>For >500, Deduct</i>	-1.12	
26 05 29 00-0236			T-Bar Support Clips <small>(26 05 29 00-0165)</small>		
26 05 29 00-0237	EA		9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95).....	7.98	
			<i>For >50 To 100, Deduct</i>	-0.36	
			<i>For >100 To 250, Deduct</i>	-0.72	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-2.07	
26 05 29 00-0238	EA		15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS).....	7.70	
			<i>For >50 To 100, Deduct</i>	-0.35	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-2.04	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0239	EA		15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	2.58	
			<i>For >50 To 100, Deduct</i>	-0.10	
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500, Deduct</i>	-0.58	
26 05 29 00-0240	EA		24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512).....	16.78	
			<i>For >50 To 100, Deduct</i>	-0.48	
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.58	
			<i>For >500, Deduct</i>	-2.19	
26 05 29 00-0241			Switch And Outlet Box Type Supports (26 05 29 00-0165)		
26 05 29 00-0242	EA		1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	4.98	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500, Deduct</i>	-1.01	
26 05 29 00-0243	EA		1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500).....	4.38	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.95	
26 05 29 00-0244	EA		Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	4.89	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500, Deduct</i>	-1.00	
26 05 29 00-0245	EA		Snap On, Switch And Outlet Box Support (Caddy MSF)	3.53	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500, Deduct</i>	-0.86	
26 05 29 00-0246	EA		1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI).....	3.64	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.59	
			<i>For >500, Deduct</i>	-0.87	
26 05 29 00-0247			Lighting Fixture Hanger (26 05 29 00-0165)		
			Note: For existing or owner furnished fixtures.		
26 05 29 00-0248	EA		Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	5.68	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500, Deduct</i>	-1.59	
26 05 29 00-0249	PR		Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	14.56	
			<i>For >50 To 100, Deduct</i>	-0.49	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.48	
26 05 29 00-0250	PR		Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520).....	19.23	
			<i>For >50 To 100, Deduct</i>	-0.61	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.94	
26 05 29 00-0251			Rigid Steel Conduit Clamps For Unistrut Channel (26 05 29 00-0165)		
26 05 29 00-0252	EA		1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.81	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.25	
			<i>For Work In Restricted Working Space, Add</i>	1.15	
26 05 29 00-0253	EA		3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.82	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.25	
			<i>For Work In Restricted Working Space, Add</i>	1.15	
26 05 29 00-0254	EA		1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.90	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500, Deduct</i>	-1.26	
			<i>For Work In Restricted Working Space, Add</i>	1.15	
26 05 29 00-0255	EA		1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.28	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.65	
			<i>For Work In Restricted Working Space, Add</i>	1.53	
26 05 29 00-0256	EA		1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.68	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-1.14	
			<i>For >500, Deduct</i>	-1.69	
			<i>For Work In Restricted Working Space, Add</i>	1.53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0257 EA 2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	6.72	
For >50 To 100, Deduct	-0.30	
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-1.14	
For >500, Deduct	-1.69	
For Work In Restricted Working Space, Add	1.53	
26 05 29 00-0258 EA 2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	8.28	
For >50 To 100, Deduct	-0.37	
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-2.10	
For Work In Restricted Working Space, Add	1.91	
26 05 29 00-0259 EA 3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	8.63	
For >50 To 100, Deduct	-0.38	
For >100 To 250, Deduct	-0.75	
For >250 To 500, Deduct	-1.44	
For >500, Deduct	-2.14	
For Work In Restricted Working Space, Add	1.91	
26 05 29 00-0260 EA 3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	8.97	
For >50 To 100, Deduct	-0.38	
For >100 To 250, Deduct	-0.77	
For >250 To 500, Deduct	-1.47	
For >500, Deduct	-2.17	
For Work In Restricted Working Space, Add	1.91	
26 05 29 00-0261 EA 4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	9.09	
For >50 To 100, Deduct	-0.39	
For >100 To 250, Deduct	-0.77	
For >250 To 500, Deduct	-1.48	
For >500, Deduct	-2.18	
For Work In Restricted Working Space, Add	1.91	
26 05 29 00-0262 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0165)</small>		
26 05 29 00-0263 EA 1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	5.07	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.86	
For >500, Deduct	-1.27	
For Work In Restricted Working Space, Add	1.15	
26 05 29 00-0264 EA 3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	5.04	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.86	
For >500, Deduct	-1.27	
For Work In Restricted Working Space, Add	1.15	
26 05 29 00-0265 EA 1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	5.00	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.85	
For >500, Deduct	-1.27	
For Work In Restricted Working Space, Add	1.15	
26 05 29 00-0266 EA 1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	6.60	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-1.13	
For >500, Deduct	-1.68	
For Work In Restricted Working Space, Add	1.53	
26 05 29 00-0267 EA 1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	7.29	
For >50 To 100, Deduct	-0.31	
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-1.18	
For >500, Deduct	-1.75	
For Work In Restricted Working Space, Add	1.53	
26 05 29 00-0268 EA 2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	7.33	
For >50 To 100, Deduct	-0.31	
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.75	
For Work In Restricted Working Space, Add	1.53	
26 05 29 00-0269 "J" Type Conduit Hangers <small>(26 05 29 00-0165)</small>		
26 05 29 00-0270 EA 1/2", "J" Type Conduit Hanger (Unistrut J1205).....	18.71	
For >50 To 100, Deduct	-0.69	
For >100 To 250, Deduct	-1.38	
For >250 To 500, Deduct	-2.52	
For >500, Deduct	-3.66	
For Work In Restricted Working Space, Add	2.68	
26 05 29 00-0271 EA 3/4", "J" Type Conduit Hanger (Unistrut J1207).....	18.88	
For >50 To 100, Deduct	-0.70	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-2.53	
For >500, Deduct	-3.67	
For Work In Restricted Working Space, Add	2.68	
26 05 29 00-0272 EA 1", "J" Type Conduit Hanger (Unistrut J1210).....	20.31	
For >50 To 100, Deduct	-0.76	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-2.80	
For >500, Deduct	-4.07	
For Work In Restricted Working Space, Add	3.06	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0273	EA 1-1/4", "J" Type Conduit Hanger (Unistrut J1212).....	20.50	
	<i>For >50 To 100, Deduct</i>	-0.77	
	<i>For >100 To 250, Deduct</i>	-1.53	
	<i>For >250 To 500, Deduct</i>	-2.81	
	<i>For >500, Deduct</i>	-4.09	
	<i>For Work In Restricted Working Space, Add</i>	3.06	
26 05 29 00-0274	EA 1-1/2", "J" Type Conduit Hanger (Unistrut J1215).....	21.90	
	<i>For >50 To 100, Deduct</i>	-0.83	
	<i>For >100 To 250, Deduct</i>	-1.67	
	<i>For >250 To 500, Deduct</i>	-3.08	
	<i>For >500, Deduct</i>	-4.48	
	<i>For Work In Restricted Working Space, Add</i>	3.44	
26 05 29 00-0275	EA 2", "J" Type Conduit Hanger (Unistrut J1220).....	22.60	
	<i>For >50 To 100, Deduct</i>	-0.85	
	<i>For >100 To 250, Deduct</i>	-1.70	
	<i>For >250 To 500, Deduct</i>	-3.13	
	<i>For >500, Deduct</i>	-4.55	
	<i>For Work In Restricted Working Space, Add</i>	3.44	
26 05 29 00-0276	EA 2-1/2", "J" Type Conduit Hanger (Unistrut J1225).....	33.82	
	<i>For >50 To 100, Deduct</i>	-1.16	
	<i>For >100 To 250, Deduct</i>	-2.33	
	<i>For >250 To 500, Deduct</i>	-4.13	
	<i>For >500, Deduct</i>	-5.93	
	<i>For Work In Restricted Working Space, Add</i>	3.83	
26 05 29 00-0277	EA 3", "J" Type Conduit Hanger (Unistrut J1230).....	36.14	
	<i>For >50 To 100, Deduct</i>	-1.25	
	<i>For >100 To 250, Deduct</i>	-2.51	
	<i>For >250 To 500, Deduct</i>	-4.46	
	<i>For >500, Deduct</i>	-6.42	
	<i>For Work In Restricted Working Space, Add</i>	4.21	
26 05 29 00-0278	EA 3-1/2", "J" Type Conduit Hanger (Unistrut J1235).....	38.98	
	<i>For >50 To 100, Deduct</i>	-1.36	
	<i>For >100 To 250, Deduct</i>	-2.71	
	<i>For >250 To 500, Deduct</i>	-4.83	
	<i>For >500, Deduct</i>	-6.96	
	<i>For Work In Restricted Working Space, Add</i>	4.59	
26 05 29 00-0279	EA 4", "J" Type Conduit Hanger (Unistrut J1240).....	49.76	
	<i>For >50 To 100, Deduct</i>	-1.63	
	<i>For >100 To 250, Deduct</i>	-3.25	
	<i>For >250 To 500, Deduct</i>	-5.64	
	<i>For >500, Deduct</i>	-8.03	
	<i>For Work In Restricted Working Space, Add</i>	4.59	
26 05 29 00-0280	EA 5", "J" Type Conduit Hanger (Unistrut J1250).....	54.59	
	<i>For >50 To 100, Deduct</i>	-1.78	
	<i>For >100 To 250, Deduct</i>	-3.56	
	<i>For >250 To 500, Deduct</i>	-6.17	
	<i>For >500, Deduct</i>	-8.77	
	<i>For Work In Restricted Working Space, Add</i>	4.97	
26 05 29 00-0281	EA 6", "J" Type Conduit Hanger (Unistrut J1260).....	75.21	
	<i>For >50 To 100, Deduct</i>	-2.36	
	<i>For >100 To 250, Deduct</i>	-4.72	
	<i>For >250 To 500, Deduct</i>	-8.03	
	<i>For >500, Deduct</i>	-11.35	
	<i>For Work In Restricted Working Space, Add</i>	5.74	

26 05 29 00-0282 Between Studs Box Brackets (26 05 29 00-0165)

26 05 29 00-0283	EA 16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	7.01
	<i>For >50 To 100, Deduct</i>	-0.27
	<i>For >100 To 250, Deduct</i>	-0.54
	<i>For >250 To 500, Deduct</i>	-1.00
	<i>For >500, Deduct</i>	-1.47
	<i>For Work In Restricted Working Space, Add</i>	1.15
26 05 29 00-0284	EA 24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	8.10
	<i>For >50 To 100, Deduct</i>	-0.30
	<i>For >100 To 250, Deduct</i>	-0.60
	<i>For >250 To 500, Deduct</i>	-1.09
	<i>For >500, Deduct</i>	-1.58
	<i>For Work In Restricted Working Space, Add</i>	1.15

26 05 29 00-0285 Hangers And Brackets (26 05 29 00-0165)

26 05 29 00-0286	EA Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	2.97
	<i>For >50 To 100, Deduct</i>	-0.14
	<i>For >100 To 250, Deduct</i>	-0.28
	<i>For >250 To 500, Deduct</i>	-0.54
	<i>For >500, Deduct</i>	-0.81
26 05 29 00-0287	EA Angle Bracket Only With 1/4" Hole (Caddy AB)	2.90
	<i>For >50 To 100, Deduct</i>	-0.14
	<i>For >100 To 250, Deduct</i>	-0.27
	<i>For >250 To 500, Deduct</i>	-0.54
	<i>For >500, Deduct</i>	-0.80
26 05 29 00-0288	EA Offset Bracket Only With 1/4" Hole (Caddy AO)	2.90
	<i>For >50 To 100, Deduct</i>	-0.14
	<i>For >100 To 250, Deduct</i>	-0.27
	<i>For >250 To 500, Deduct</i>	-0.54
	<i>For >500, Deduct</i>	-0.80

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0289 EA Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	3.56	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.59	
For >500, Deduct	-0.87	
26 05 29 00-0290 EA Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	3.58	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.59	
For >500, Deduct	-0.87	
26 05 29 00-0291 EA Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	3.50	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-0.86	
26 05 29 00-0292 EA Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	3.56	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.59	
For >500, Deduct	-0.87	
26 05 29 00-0293 EA Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	3.58	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.59	
For >500, Deduct	-0.87	
26 05 29 00-0294 Clips And Accessories <small>(26 05 29 00-0165)</small>		
26 05 29 00-0295 EA 1/2" Diameter Center, Bridle Ring (Caddy 2BR).....	1.96	
For >50 To 100, Deduct	-0.09	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.35	
For >500, Deduct	-0.51	
26 05 29 00-0296 EA 3/4" Diameter Center, Bridle Ring (Caddy 2BR12).....	1.98	
For >50 To 100, Deduct	-0.09	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.35	
For >500, Deduct	-0.52	
26 05 29 00-0297 EA 1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20).....	2.08	
For >50 To 100, Deduct	-0.09	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.35	
For >500, Deduct	-0.53	
26 05 29 00-0298 EA 2" Diameter Center, Bridle Ring (Caddy 2BR32).....	2.29	
For >50 To 100, Deduct	-0.10	
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.37	
For >500, Deduct	-0.55	
26 05 29 00-0299 Wire Ties <small>(26 05 29 00-0165)</small>		
Note: Per hundred (C).		
26 05 29 00-0300 C 3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	16.44	
For Up To 0.1, Add	13.29	
For >0.1 To 0.25, Add	6.65	
For >0.25 To 0.75, Add	3.32	
For >2.0, Deduct	-1.33	
For UV Black, Add	0.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.99	
26 05 29 00-0301 C 4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	16.56	
For Up To 0.1, Add	13.29	
For >0.1 To 0.25, Add	6.65	
For >0.25 To 0.75, Add	3.32	
For >2.0, Deduct	-1.33	
For UV Black, Add	0.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.99	
26 05 29 00-0302 C 4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	16.65	
For Up To 0.1, Add	13.29	
For >0.1 To 0.25, Add	6.65	
For >0.25 To 0.75, Add	3.32	
For >2.0, Deduct	-1.33	
For UV Black, Add	0.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.99	
26 05 29 00-0303 C 5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	16.68	
For Up To 0.1, Add	13.29	
For >0.1 To 0.25, Add	6.65	
For >0.25 To 0.75, Add	3.32	
For >2.0, Deduct	-1.33	
For UV Black, Add	0.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.99	
26 05 29 00-0304 C 6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	17.30	
For Up To 0.1, Add	13.87	
For >0.1 To 0.25, Add	6.94	
For >0.25 To 0.75, Add	3.47	
For >2.0, Deduct	-1.39	
For UV Black, Add	0.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.16	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0305	C	8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	20.59	
		<i>For Up To 0.1, Add</i>	14.50	
		<i>For >0.1 To 0.25, Add</i>	7.25	
		<i>For >0.25 To 0.75, Add</i>	3.63	
		<i>For >2.0, Deduct</i>	-1.45	
		<i>For UV Black, Add</i>	0.91	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.35	
26 05 29 00-0306	C	4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	19.82	
		<i>For Up To 0.1, Add</i>	13.29	
		<i>For >0.1 To 0.25, Add</i>	6.65	
		<i>For >0.25 To 0.75, Add</i>	3.32	
		<i>For >2.0, Deduct</i>	-1.33	
		<i>For UV Black, Add</i>	0.98	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.99	
26 05 29 00-0307	C	6" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	20.45	
		<i>For Up To 0.1, Add</i>	13.87	
		<i>For >0.1 To 0.25, Add</i>	6.94	
		<i>For >0.25 To 0.75, Add</i>	3.47	
		<i>For >2.0, Deduct</i>	-1.39	
		<i>For UV Black, Add</i>	0.99	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.16	
26 05 29 00-0308	C	8" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	21.12	
		<i>For Up To 0.1, Add</i>	14.50	
		<i>For >0.1 To 0.25, Add</i>	7.25	
		<i>For >0.25 To 0.75, Add</i>	3.63	
		<i>For >2.0, Deduct</i>	-1.45	
		<i>For UV Black, Add</i>	0.99	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.35	
26 05 29 00-0309	C	10" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	30.90	
		<i>For Up To 0.1, Add</i>	15.64	
		<i>For >0.1 To 0.25, Add</i>	7.82	
		<i>For >0.25 To 0.75, Add</i>	3.91	
		<i>For >2.0, Deduct</i>	-1.56	
		<i>For UV Black, Add</i>	2.29	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.69	
26 05 29 00-0310	C	11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	32.28	
		<i>For Up To 0.1, Add</i>	15.64	
		<i>For >0.1 To 0.25, Add</i>	7.82	
		<i>For >0.25 To 0.75, Add</i>	3.91	
		<i>For >2.0, Deduct</i>	-1.56	
		<i>For UV Black, Add</i>	2.50	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.69	
26 05 29 00-0311	C	7" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	22.08	
		<i>For Up To 0.1, Add</i>	14.50	
		<i>For >0.1 To 0.25, Add</i>	7.25	
		<i>For >0.25 To 0.75, Add</i>	3.63	
		<i>For >2.0, Deduct</i>	-1.45	
		<i>For UV Black, Add</i>	1.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.35	
26 05 29 00-0312	C	8" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	20.86	
		<i>For Up To 0.1, Add</i>	14.50	
		<i>For >0.1 To 0.25, Add</i>	7.25	
		<i>For >0.25 To 0.75, Add</i>	3.63	
		<i>For >2.0, Deduct</i>	-1.45	
		<i>For UV Black, Add</i>	0.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.35	
26 05 29 00-0313	C	11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	31.28	
		<i>For Up To 0.1, Add</i>	15.64	
		<i>For >0.1 To 0.25, Add</i>	7.82	
		<i>For >0.25 To 0.75, Add</i>	3.91	
		<i>For >2.0, Deduct</i>	-1.56	
		<i>For UV Black, Add</i>	2.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.69	
26 05 29 00-0314	C	14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	35.84	
		<i>For Up To 0.1, Add</i>	16.61	
		<i>For >0.1 To 0.25, Add</i>	8.31	
		<i>For >0.25 To 0.75, Add</i>	4.15	
		<i>For >2.0, Deduct</i>	-1.66	
		<i>For UV Black, Add</i>	2.88	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98	
26 05 29 00-0315	C	8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	35.14	
		<i>For Up To 0.1, Add</i>	14.50	
		<i>For >0.1 To 0.25, Add</i>	7.25	
		<i>For >0.25 To 0.75, Add</i>	3.63	
		<i>For >2.0, Deduct</i>	-1.45	
		<i>For UV Black, Add</i>	3.10	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.35	
26 05 29 00-0316	C	11" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	38.49	
		<i>For Up To 0.1, Add</i>	15.64	
		<i>For >0.1 To 0.25, Add</i>	7.82	
		<i>For >0.25 To 0.75, Add</i>	3.91	
		<i>For >2.0, Deduct</i>	-1.56	
		<i>For UV Black, Add</i>	3.43	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.69	
26 05 29 00-0317	C	15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	46.66	
		<i>For Up To 0.1, Add</i>	16.61	
		<i>For >0.1 To 0.25, Add</i>	8.31	
		<i>For >0.25 To 0.75, Add</i>	4.15	
		<i>For >2.0, Deduct</i>	-1.66	
		<i>For UV Black, Add</i>	4.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98	

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

26 05 29 00-0318	C	17" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	66.96	
		<i>For Up To 0.1, Add</i>	17.72	
		<i>For >0.1 To 0.25, Add</i>	8.86	
		<i>For >0.25 To 0.75, Add</i>	4.43	
		<i>For >2.0, Deduct</i>	-1.77	
		<i>For UV Black, Add</i>	7.39	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.32	
26 05 29 00-0319	C	17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	64.86	
		<i>For Up To 0.1, Add</i>	17.72	
		<i>For >0.1 To 0.25, Add</i>	8.86	
		<i>For >0.25 To 0.75, Add</i>	4.43	
		<i>For >2.0, Deduct</i>	-1.77	
		<i>For UV Black, Add</i>	7.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.32	
26 05 29 00-0320	C	21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	79.12	
		<i>For Up To 0.1, Add</i>	18.55	
		<i>For >0.1 To 0.25, Add</i>	9.28	
		<i>For >0.25 To 0.75, Add</i>	4.64	
		<i>For >2.0, Deduct</i>	-1.86	
		<i>For UV Black, Add</i>	9.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 29 00-0321	C	30" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	91.65	
		<i>For Up To 0.1, Add</i>	19.45	
		<i>For >0.1 To 0.25, Add</i>	9.73	
		<i>For >0.25 To 0.75, Add</i>	4.86	
		<i>For >2.0, Deduct</i>	-1.95	
		<i>For UV Black, Add</i>	10.83	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.84	
26 05 29 00-0322	C	46" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	125.88	
		<i>For Up To 0.1, Add</i>	20.98	
		<i>For >0.1 To 0.25, Add</i>	10.49	
		<i>For >0.25 To 0.75, Add</i>	5.25	
		<i>For >2.0, Deduct</i>	-2.10	
		<i>For UV Black, Add</i>	15.74	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 29 00-0323	C	3/4" x 3/4" Self Adhesive Tie Mounts.....	41.41	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.96	
26 05 29 00-0324	C	1.1" x 1.1" Tie Mounts With Screw.....	82.43	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.92	
26 05 29 00-0325	EA	6" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.63	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.19	
26 05 29 00-0326	EA	8" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.16	
26 05 29 00-0327	EA	12" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.16	
26 05 29 00-0328	EA	15" Length x 3/4" Width, Velcro Grip Cable Tie.....	2.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.16	
26 05 29 00-0329	EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll.....	60.84	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.20	

26 05 29 00-0330 Fastening Devices For Wireway And Conduit (26 05 29)
 Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.

26 05 29 00-0331 Toggle Bolts (26 05 29 00-0330)
 Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0332	EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	9.81	
		<i>For >50 To 100, Deduct</i>	-0.95	
		<i>For >100 To 250, Deduct</i>	-1.89	
		<i>For >250 To 500, Deduct</i>	-3.30	
		<i>For >500, Deduct</i>	-4.71	
26 05 29 00-0333	EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	10.07	
		<i>For >50 To 100, Deduct</i>	-0.97	
		<i>For >100 To 250, Deduct</i>	-1.94	
		<i>For >250 To 500, Deduct</i>	-3.38	
		<i>For >500, Deduct</i>	-4.83	
26 05 29 00-0334	EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	10.56	
		<i>For >50 To 100, Deduct</i>	-1.00	
		<i>For >100 To 250, Deduct</i>	-2.00	
		<i>For >250 To 500, Deduct</i>	-3.48	
		<i>For >500, Deduct</i>	-4.97	
26 05 29 00-0335	EA	3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	10.82	
		<i>For >50 To 100, Deduct</i>	-1.02	
		<i>For >100 To 250, Deduct</i>	-2.04	
		<i>For >250 To 500, Deduct</i>	-3.57	
		<i>For >500, Deduct</i>	-5.09	
26 05 29 00-0336	EA	1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	11.08	
		<i>For >50 To 100, Deduct</i>	-1.05	
		<i>For >100 To 250, Deduct</i>	-2.09	
		<i>For >250 To 500, Deduct</i>	-3.65	
		<i>For >500, Deduct</i>	-5.21	
26 05 29 00-0337	EA	5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	12.33	
		<i>For >50 To 100, Deduct</i>	-1.10	
		<i>For >100 To 250, Deduct</i>	-2.19	
		<i>For >250 To 500, Deduct</i>	-3.81	
		<i>For >500, Deduct</i>	-5.43	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0338	EA		3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	12.79	
			<i>For >50 To 100, Deduct</i>	-1.12	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-3.91	
			<i>For >500, Deduct</i>	-5.57	
26 05 29 00-0339			Machine Screws <small>(26 05 29 00-0330)</small>		
			Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0340	EA		#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.90	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.99	
			<i>For >500, Deduct</i>	-1.42	
26 05 29 00-0341	EA		#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.94	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.42	
26 05 29 00-0342	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.70	
			<i>For >50 To 100, Deduct</i>	-0.36	
			<i>For >100 To 250, Deduct</i>	-0.72	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.79	
26 05 29 00-0343	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.84	
			<i>For >50 To 100, Deduct</i>	-0.36	
			<i>For >100 To 250, Deduct</i>	-0.72	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.80	
26 05 29 00-0344	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	4.71	
			<i>For >50 To 100, Deduct</i>	-0.44	
			<i>For >100 To 250, Deduct</i>	-0.87	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-2.17	
26 05 29 00-0345			Hex Lag Bolts With Lag Shield Expansion Anchors <small>(26 05 29 00-0330)</small>		
			Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0346	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.56	
			<i>For >50 To 100, Deduct</i>	-0.38	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.88	
26 05 29 00-0347	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.51	
			<i>For >50 To 100, Deduct</i>	-0.38	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.87	
26 05 29 00-0348	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	6.25	
			<i>For >50 To 100, Deduct</i>	-0.48	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-2.33	
26 05 29 00-0349	EA		1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	7.88	
			<i>For >50 To 100, Deduct</i>	-0.57	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.76	
26 05 29 00-0350			Hanger Lag Bolts With Hex Nuts <small>(26 05 29 00-0330)</small>		
			Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0351	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.43	
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.47	
26 05 29 00-0352	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.47	
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-1.04	
			<i>For >500, Deduct</i>	-1.48	
26 05 29 00-0353	EA		3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	4.09	
			<i>For >50 To 100, Deduct</i>	-0.34	
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.67	
26 05 29 00-0354			Hollow Wall Screw Anchors <small>(26 05 29 00-0330)</small>		
26 05 29 00-0355	EA		6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.03	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.62	
			<i>For >500, Deduct</i>	-0.88	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0356 EA 6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.08	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.62	
For >500, Deduct	-0.89	
26 05 29 00-0357 EA 6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.17	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.63	
For >500, Deduct	-0.90	
26 05 29 00-0358 EA 10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.71	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.75	
For >500, Deduct	-1.06	
26 05 29 00-0359 EA 10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.82	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.75	
For >500, Deduct	-1.07	
26 05 29 00-0360 EA 10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.86	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-1.07	
26 05 29 00-0361 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.88	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-1.08	
26 05 29 00-0362 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.05	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.77	
For >500, Deduct	-1.09	
26 05 29 00-0363 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.11	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.78	
For >500, Deduct	-1.10	
26 05 29 00-0364 Lead Screw Anchors <small>(26 05 29 00-0330)</small>		
Note: Includes screw.		
26 05 29 00-0365 EA #6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	4.79	
For >50 To 100, Deduct	-0.45	
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.56	
For >500, Deduct	-2.22	
26 05 29 00-0366 EA #10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	5.67	
For >50 To 100, Deduct	-0.52	
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.58	
26 05 29 00-0367 EA #16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	7.59	
For >50 To 100, Deduct	-0.67	
For >100 To 250, Deduct	-1.34	
For >250 To 500, Deduct	-2.33	
For >500, Deduct	-3.32	
26 05 29 00-0368 Acoustical T-Bar Clips <small>(26 05 29 00-0330)</small>		
Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0369 EA 1/2" Conduit, Push-In Acoustical T-Bar Clip	6.96	
For >50 To 100, Deduct	-0.58	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-2.02	
For >500, Deduct	-2.87	
26 05 29 00-0370 EA 3/4" Conduit, Push-In Acoustical T-Bar Clip	7.31	
For >50 To 100, Deduct	-0.61	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-3.02	
26 05 29 00-0371 EA 1" Conduit, Push-In Acoustical T-Bar Clip	7.88	
For >50 To 100, Deduct	-0.65	
For >100 To 250, Deduct	-1.30	
For >250 To 500, Deduct	-2.25	
For >500, Deduct	-3.20	
26 05 29 00-0372 Threaded Rod, Accessories And Attachments <small>(26 05 29)</small>		
26 05 29 00-0373 Threaded Rod And Rod Accessories <small>(26 05 29 00-0372)</small>		
26 05 29 00-0374 Carbon Steel Threaded Rod <small>(26 05 29 00-0373)</small>		
Note: Includes plain finish.		
26 05 29 00-0375 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.01	0.80
For Galvanized, Add	0.57	
For Zinc Coated, Add	0.40	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0376	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.94	0.85
		<i>For Galvanized, Add</i>	0.90	
		<i>For Zinc Coated, Add</i>	0.64	
26 05 29 00-0377	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.25	0.88
		<i>For Galvanized, Add</i>	1.40	
		<i>For Zinc Coated, Add</i>	0.99	
26 05 29 00-0378	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.16	0.90
		<i>For Galvanized, Add</i>	2.54	
		<i>For Zinc Coated, Add</i>	1.81	
26 05 29 00-0379	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.85	0.94
		<i>For Galvanized, Add</i>	2.79	
		<i>For Zinc Coated, Add</i>	1.99	
26 05 29 00-0380	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.92	1.06
		<i>For Galvanized, Add</i>	3.92	
		<i>For Zinc Coated, Add</i>	2.79	
26 05 29 00-0381	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.71	1.18
		<i>For Galvanized, Add</i>	4.94	
		<i>For Zinc Coated, Add</i>	3.52	
26 05 29 00-0382 Threaded Rod Couplings (26 05 29 00-0373)				
26 05 29 00-0383	EA	3/8" Diameter, Threaded Rod Coupling Nut	9.90	
26 05 29 00-0384	EA	1/2" Diameter, Threaded Rod Coupling Nut	11.20	
26 05 29 00-0385	EA	5/8" Diameter, Threaded Rod Coupling Nut	13.76	
26 05 29 00-0386	EA	3/4" Diameter, Threaded Rod Coupling Nut	16.48	
26 05 29 00-0387	EA	7/8" Diameter, Threaded Rod Coupling Nut	23.27	
26 05 29 00-0388	EA	1" Diameter, Threaded Rod Coupling Nut	27.57	
26 05 29 00-0389	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	50.29	
26 05 29 00-0390 Flat Washers (26 05 29 00-0373)				
26 05 29 00-0391	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.84	0.32
		<i>For Galvanized, Add</i>	0.03	
26 05 29 00-0392	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.07	0.32
		<i>For Galvanized, Add</i>	0.07	
26 05 29 00-0393	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.35	0.32
		<i>For Galvanized, Add</i>	0.13	
26 05 29 00-0394	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.62	0.64
		<i>For Galvanized, Add</i>	0.19	
26 05 29 00-0395	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.82	0.64
		<i>For Galvanized, Add</i>	0.22	
26 05 29 00-0396	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.14	0.64
		<i>For Galvanized, Add</i>	0.27	
26 05 29 00-0397	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.40	0.64
		<i>For Galvanized, Add</i>	0.31	
26 05 29 00-0398 Malleable Iron Eye Sockets (26 05 29 00-0373)				
		Note: Type 16.		
26 05 29 00-0399	EA	3/8" Rod Size, Malleable Iron Eye Socket	9.47	
26 05 29 00-0400	EA	1/2" Rod Size, Malleable Iron Eye Socket	11.19	
26 05 29 00-0401	EA	5/8" Rod Size, Malleable Iron Eye Socket	18.55	
26 05 29 00-0402	EA	3/4" Rod Size, Malleable Iron Eye Socket	25.94	
26 05 29 00-0403	EA	7/8" Rod Size, Malleable Iron Eye Socket	27.74	
26 05 29 00-0404 Hex Nuts (26 05 29 00-0373)				
26 05 29 00-0405	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.82	0.32
		<i>For Galvanized, Add</i>	0.03	
26 05 29 00-0406	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.03	0.32
		<i>For Galvanized, Add</i>	0.06	
26 05 29 00-0407	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.36	0.32
		<i>For Galvanized, Add</i>	0.13	
26 05 29 00-0408	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.57	0.64
		<i>For Galvanized, Add</i>	0.17	
26 05 29 00-0409	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.24	0.64
		<i>For Galvanized, Add</i>	0.33	
26 05 29 00-0410	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.83	0.64
		<i>For Galvanized, Add</i>	0.44	
26 05 29 00-0411	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.52	0.64
		<i>For Galvanized, Add</i>	0.84	
26 05 29 00-0412 Forged Steel Turnbuckles (26 05 29 00-0373)				
		Note: Type 13.		
26 05 29 00-0413	EA	3/8" Thread Diameter, Forged Steel Turnbuckle Body	24.00	
26 05 29 00-0414	EA	1/2" Thread Diameter, Forged Steel Turnbuckle Body	29.11	
26 05 29 00-0415	EA	5/8" Thread Diameter, Forged Steel Turnbuckle Body	37.94	
26 05 29 00-0416	EA	3/4" Thread Diameter, Forged Steel Turnbuckle Body	46.44	
26 05 29 00-0417	EA	7/8" Thread Diameter, Forged Steel Turnbuckle Body	106.26	
26 05 29 00-0418	EA	1" Thread Diameter, Forged Steel Turnbuckle Body	74.59	
26 05 29 00-0419	EA	1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	143.38	
26 05 29 00-0420 Attachments (26 05 29 00-0372)				

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

26 05 29 00-0421	Welded Beam Attachments (26 05 29 00-0420) Note: Type 22.		
26 05 29 00-0422	EA 3/8" Rod Size, Welded Beam Attachment	44.77	12.75
26 05 29 00-0423	EA 1/2" Rod Size, Welded Beam Attachment	47.63	13.38
26 05 29 00-0424	EA 5/8" Rod Size, Welded Beam Attachment	50.61	14.15
26 05 29 00-0425	EA 3/4" Rod Size, Welded Beam Attachment	62.28	15.04
26 05 29 00-0426	EA 7/8" Rod Size, Welded Beam Attachment	73.19	15.93
26 05 29 00-0427	EA 1" Rod Size, Welded Beam Attachment	99.49	18.23
26 05 29 00-0428	EA 1-1/8" Rod Size, Welded Beam Attachment	135.91	19.12

26 05 29 00-0429	C-Clamp Style Beam Clamps (26 05 29 00-0420) Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0430	EA 3/8" Rod Size, C-Clamp Style Beam Clamp	18.31	9.57
26 05 29 00-0431	EA 1/2" Rod Size, C-Clamp Style Beam Clamp	21.09	10.21
26 05 29 00-0432	EA 5/8" Rod Size, C-Clamp Style Beam Clamp	23.54	10.94
26 05 29 00-0433	EA 3/4" Rod Size, C-Clamp Style Beam Clamp	28.84	11.78
26 05 29 00-0434	EA 7/8" Rod Size, C-Clamp Style Beam Clamp	39.15	12.76

26 05 29 00-0435	Bottom Mount I-Beam Clamps (26 05 29 00-0420) Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0436	EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	41.96	12.76
26 05 29 00-0437	EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	58.68	13.92
26 05 29 00-0438	EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	80.98	15.31
26 05 29 00-0439	EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	96.12	17.01
26 05 29 00-0440	EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	219.03	19.14

26 05 29 00-0441	Steel U-Bolts (26 05 29 00-0420) Note: Type 24. Includes plate and nuts.		
26 05 29 00-0442	EA 1/2" Pipe Size, Zinc Plated Steel, U-Bolt	14.83	7.66
26 05 29 00-0443	EA 3/4" Pipe Size, Zinc Plated Steel, U-Bolt	15.94	8.06
26 05 29 00-0444	EA 1" Pipe Size, Zinc Plated Steel, U-Bolt	17.05	8.50
26 05 29 00-0445	EA 1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	18.97	9.00
26 05 29 00-0446	EA 1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	19.76	9.57
26 05 29 00-0447	EA 2" Pipe Size, Zinc Plated Steel, U-Bolt	21.12	10.21
26 05 29 00-0448	EA 2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	28.09	10.94
26 05 29 00-0449	EA 3" Pipe Size, Zinc Plated Steel, U-Bolt	30.79	11.78
26 05 29 00-0450	EA 4" Pipe Size, Zinc Plated Steel, U-Bolt	36.28	12.76

26 05 29 00-0451	Stainless Steel Threaded Rod (26 05 29 00-0372)		
26 05 29 00-0452	LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	2.60	0.64
	<i>For 316 Stainless Steel, Add</i>	<i>0.54</i>	
26 05 29 00-0453	LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.68	0.70
	<i>For 316 Stainless Steel, Add</i>	<i>0.92</i>	
26 05 29 00-0454	LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.64	0.80
	<i>For 316 Stainless Steel, Add</i>	<i>1.24</i>	
26 05 29 00-0455	LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.17	0.82
	<i>For 316 Stainless Steel, Add</i>	<i>1.83</i>	
26 05 29 00-0456	LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	7.27	0.85
	<i>For 316 Stainless Steel, Add</i>	<i>2.26</i>	
26 05 29 00-0457	LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	10.51	0.86
	<i>For 316 Stainless Steel, Add</i>	<i>3.56</i>	
26 05 29 00-0458	LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	14.42	0.88
	<i>For 316 Stainless Steel, Add</i>	<i>5.13</i>	
26 05 29 00-0459	LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	19.54	0.90
	<i>For 316 Stainless Steel, Add</i>	<i>7.18</i>	
26 05 29 00-0460	LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod	25.03	1.06
	<i>For 316 Stainless Steel, Add</i>	<i>9.27</i>	
26 05 29 00-0461	LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	52.09	1.27
	<i>For 316 Stainless Steel, Add</i>	<i>20.02</i>	

26 05 29 00-0462	Polyvinyl Chloride (PVC) Coated Supports (26 05 29) Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
-------------------------	---	--	--

26 05 29 00-0463	Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0462)		
-------------------------	---	--	--

26 05 29 00-0464	Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)		
26 05 29 00-0465	EA 1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	65.52	25.49
26 05 29 00-0466	EA 3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	71.23	27.78
26 05 29 00-0467	EA 1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	76.16	30.58
26 05 29 00-0468	EA 1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	90.87	34.03
26 05 29 00-0469	EA 1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	104.81	38.24
26 05 29 00-0470	EA 2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	124.70	42.06
26 05 29 00-0471	EA 2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	136.35	45.89
26 05 29 00-0472	EA 3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	150.02	49.71
26 05 29 00-0473	EA 3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	158.61	53.53
26 05 29 00-0474	EA 4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	171.36	57.35

26 05 29 00-0475	Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)		
26 05 29 00-0476	EA 1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	69.97	25.49
26 05 29 00-0477	EA 3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	74.25	27.78

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 29 00-0478	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	85.19		30.58
26 05 29 00-0479	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	94.08		34.03
26 05 29 00-0480	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	106.05		38.24
26 05 29 00-0481	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	122.58		42.06
26 05 29 00-0482	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	140.38		45.89
26 05 29 00-0483	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	155.35		49.71
26 05 29 00-0484	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	165.32		53.53
26 05 29 00-0485	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	172.25		57.35
26 05 29 00-0486		Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0483)</small>			
26 05 29 00-0487	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	66.30		25.24
26 05 29 00-0488	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	71.37		27.53
26 05 29 00-0489	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	80.70		30.58
26 05 29 00-0490	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	94.27		33.65
26 05 29 00-0491	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	121.82		38.24
26 05 29 00-0492	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	133.58		42.06
26 05 29 00-0493		Polyvinyl Chloride (PVC) Coated Conduit Straps <small>(26 05 29 00-0462)</small>			
26 05 29 00-0494		One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps <small>(26 05 29 00-0493)</small>			
26 05 29 00-0495	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.60		0.76
26 05 29 00-0496	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.24		0.76
26 05 29 00-0497	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.05		0.76
26 05 29 00-0498	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.62		0.76
26 05 29 00-0499	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.20		0.76
26 05 29 00-0500	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.76		0.76
26 05 29 00-0501	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	38.26		0.76
26 05 29 00-0502	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	51.21		0.76
26 05 29 00-0503	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	90.51		0.76
26 05 29 00-0504	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	96.18		0.76
26 05 29 00-0505		Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps <small>(26 05 29 00-0493)</small>			
26 05 29 00-0506	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.00		1.53
26 05 29 00-0507	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.07		1.53
26 05 29 00-0508	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.45		1.53
26 05 29 00-0509	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.37		1.53
26 05 29 00-0510	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.90		1.53
26 05 29 00-0511	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	22.79		1.53
26 05 29 00-0512	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	25.59		1.53
26 05 29 00-0513	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	26.75		1.53
26 05 29 00-0514	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.54		1.53
26 05 29 00-0515	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	30.94		1.53
26 05 29 00-0516		Polyvinyl Chloride (PVC) Coated Clamp Back Spacer <small>(26 05 29 00-0462)</small>			
26 05 29 00-0517		Polyvinyl Chloride (PVC) Coated Clamp Back Spacer <small>(26 05 29 00-0516)</small>			
26 05 29 00-0518	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	13.63		1.53
26 05 29 00-0519	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	15.81		1.53
26 05 29 00-0520	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	19.82		1.53
26 05 29 00-0521	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	23.13		1.53
26 05 29 00-0522	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	30.88		1.53
26 05 29 00-0523	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	36.46		1.53
26 05 29 00-0524	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	75.42		1.53
26 05 29 00-0525	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	102.89		1.53
26 05 29 00-0526	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	179.89		1.53
26 05 29 00-0527	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	179.89		1.53
26 05 29 00-0528		Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories <small>(26 05 29 00-0462)</small>			
26 05 29 00-0529		Polyvinyl Chloride (PVC) Coated Threaded Rod <small>(26 05 29 00-0528)</small>			
26 05 29 00-0530	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	9.38		1.02
26 05 29 00-0531	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	11.53		1.15
26 05 29 00-0532		Attachments <small>(26 05 29 00-0462)</small>			
26 05 29 00-0533		Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts <small>(26 05 29 00-0532)</small>			
26 05 29 00-0534	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	19.35		7.66
26 05 29 00-0535	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	20.02		8.04
26 05 29 00-0536	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	21.09		8.55
26 05 29 00-0537	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	22.43		9.06
26 05 29 00-0538	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	23.89		9.57
26 05 29 00-0539	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	26.74		10.21
26 05 29 00-0540	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	37.89		10.98
26 05 29 00-0541	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	39.81		11.74
26 05 29 00-0542	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	42.46		12.76
26 05 29 00-0543	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	68.10		14.55
26 05 29 00-0544	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	84.18		16.84

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--	-------	-------------	------------------------	----------------------

26 05 29 00-0545	Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps <small>(26 05 29 00-0532)</small>			
26 05 29 00-0546	EA 1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	66.96	25.24	
26 05 29 00-0547	EA 5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	77.55	25.24	
26 05 29 00-0548	EA 3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	81.92	25.24	
26 05 29 00-0549	EA 1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	90.17	26.77	
26 05 29 00-0550	EA 1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	105.45	30.58	

26 05 29 00-0551	Polyvinyl Chloride (PVC) Coated Pipe Straps <small>(26 05 29 00-0532)</small>			
<small>Note: Includes stainless steel nuts and bolts.</small>				
26 05 29 00-0552	EA 1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	20.81	8.41	
26 05 29 00-0553	EA 3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	22.10	9.17	
26 05 29 00-0554	EA 1" Polyvinyl Chloride (PVC) Coated Pipe Strap	24.04	9.94	
26 05 29 00-0555	EA 1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	27.25	11.47	
26 05 29 00-0556	EA 1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	31.10	13.00	
26 05 29 00-0557	EA 2" Polyvinyl Chloride (PVC) Coated Pipe Strap	34.13	13.77	
26 05 29 00-0558	EA 2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	37.77	15.29	
26 05 29 00-0559	EA 3" Polyvinyl Chloride (PVC) Coated Pipe Strap	44.04	16.82	
26 05 29 00-0560	EA 3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	47.62	17.59	
26 05 29 00-0561	EA 4" Polyvinyl Chloride (PVC) Coated Pipe Strap	50.46	19.12	
26 05 29 00-0562	EA 5" Polyvinyl Chloride (PVC) Coated Pipe Strap	54.56	21.41	

26 05 29 00-0563	Polyvinyl Chloride (PVC) Coated Channel <small>(26 05 29 00-0462)</small>			
26 05 29 00-0564	LF Polyvinyl Chloride (PVC) Coated Channel, A12	18.38	3.83	
26 05 29 00-0565	LF Polyvinyl Chloride (PVC) Coated Channel, A12A	31.62	5.36	
26 05 29 00-0566	LF Polyvinyl Chloride (PVC) Coated Channel, A12P	19.45	3.83	
26 05 29 00-0567	LF Polyvinyl Chloride (PVC) Coated Channel, C14	15.07	3.83	
26 05 29 00-0568	LF Polyvinyl Chloride (PVC) Coated Channel, C14P	15.74	3.83	

26 05 29 00-0569	Polymer Concrete Pads <small>(26 05 29)</small>			
<small>Note: Excludes excavation and backfill.</small>				

26 05 29 00-0570	Polymer Concrete, Box Pads <small>(26 05 29 00-0569)</small>			
26 05 29 00-0571	EA 24" x 36", 18" Depth, Polymer Concrete, Box Pad	875.58	128.86	
26 05 29 00-0572	EA 25" x 25", 24" Depth, Polymer Concrete, Box Pad	901.11	128.86	
26 05 29 00-0573	EA 40" x 44", 15" Depth, Polymer Concrete, Box Pad	1,135.72	128.86	
26 05 29 00-0574	EA 40" x 44", 24" Depth, Polymer Concrete, Box Pad	1,174.62	128.86	
26 05 29 00-0575	EA 52" x 36", 18" Depth, Polymer Concrete, Box Pad	1,099.51	128.86	
26 05 29 00-0576	EA 44" x 44", 32" Depth, Polymer Concrete, Box Pad	1,283.21	128.86	
26 05 29 00-0577	EA 40" x 58", 24" Depth, Polymer Concrete, Box Pad	1,424.07	128.86	
26 05 29 00-0578	EA 52" x 50", 18" Depth, Polymer Concrete, Box Pad	1,396.39	161.08	
26 05 29 00-0579	EA 74" x 76", 36" Depth, Polymer Concrete, Box Pad	2,054.53	161.08	
26 05 29 00-0580	EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad	2,715.92	161.08	

26 05 29 00-0581	Polymer Concrete, Telecommunications Equipment Pads <small>(26 05 29 00-0569)</small>			
26 05 29 00-0582	EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	442.19	76.67	
26 05 29 00-0583	EA 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	511.93	76.67	
26 05 29 00-0584	EA 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	650.51	96.65	
26 05 29 00-0585	EA 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	676.43	96.65	
26 05 29 00-0586	EA 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	940.31	96.65	
26 05 29 00-0587	EA 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	976.98	96.65	
26 05 29 00-0588	EA 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,045.32	96.65	
26 05 29 00-0589	EA 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,045.32	96.65	
26 05 29 00-0590	EA 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,903.83	96.65	
26 05 29 00-0591	EA 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	2,148.79	96.65	

26 05 29 00-0592	Polymer Concrete, Electrical Equipment Pads <small>(26 05 29 00-0569)</small>			
26 05 29 00-0593	EA 24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	294.47	76.67	
26 05 29 00-0594	EA 24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	312.40	76.67	
26 05 29 00-0595	EA 24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	328.73	76.67	
26 05 29 00-0596	EA 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	382.99	76.67	
26 05 29 00-0597	EA 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	358.77	76.67	
26 05 29 00-0598	EA 42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	370.18	76.67	
26 05 29 00-0599	EA 48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	399.76	76.67	
26 05 29 00-0600	EA 48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	417.01	76.67	
26 05 29 00-0601	EA 54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	474.63	76.67	
26 05 29 00-0602	EA 56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	569.54	76.67	
26 05 29 00-0603	EA 64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	813.18	96.65	
26 05 29 00-0604	EA 66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	847.87	96.65	
26 05 29 00-0605	EA 75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	858.82	96.65	
26 05 29 00-0606	EA 90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	931.74	96.65	
26 05 29 00-0607	EA 84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,907.12	96.65	
26 05 29 00-0608	EA 96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	2,233.83	96.65	

26 05 33 Raceway And Boxes For Electrical Systems (26 05)

26 05 33 13 Conduit For Electrical Systems (26 05 33)

26 05 33 13-0001	Conduit Assemblies <small>(26 05 33 13)</small>			
<small>Note: With fittings and wire.</small>				

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0002			Electrical Metallic Tubing (EMT) Conduit Assemblies <small>(26 05 33 13-0001)</small> Note: Includes conduit, field bends, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0249 for larger copper conductor, 26 05 33 13-0598 for larger EMT conduit.		
26 05 33 13-0003	CLF		1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	898.20 1.10	284.78
26 05 33 13-0004	CLF		1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	979.08 1.65	309.25
26 05 33 13-0005	CLF		1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #12 THWN Conductor Instead Of THHN, Add</i>	1,059.96 286.08 2.19	333.72
26 05 33 13-0006	CLF		1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	944.17 1.64	297.01
26 05 33 13-0007	CLF		1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,042.22 2.47	325.55
26 05 33 13-0008	CLF		1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	1,044.02 275.60 2.87	321.48
26 05 33 13-0009	CLF		1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	988.75 1.10	307.03
26 05 33 13-0010	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,069.62 1.65	331.50
26 05 33 13-0011	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,150.52	355.96
26 05 33 13-0012	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,231.40 2.74	380.44
26 05 33 13-0013	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,034.71 1.64	319.26
26 05 33 13-0014	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,132.77 2.47	347.81
26 05 33 13-0015	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,230.82 3.29	376.36
26 05 33 13-0016	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,328.87 4.11	404.91
26 05 33 13-0017	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,268.12 326.07 4.30	380.44
26 05 33 13-0018	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,401.68 357.53 5.74	417.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0019	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 2 #6 THWN Conductor Instead Of THHN, Add	1,254.17 315.58 4.74	368.21
26 05 33 13-0020	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #6 THWN Conductor Instead Of THHN, Add	1,429.78 354.03 7.12	413.06
26 05 33 13-0021	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. For 2 #12 THWN Conductor Instead Of THHN, Add	1,107.30 1.10	330.45
26 05 33 13-0022	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. For 3 #12 THWN Conductor Instead Of THHN, Add	1,188.19 1.65	354.92
26 05 33 13-0023	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,269.07	379.39
26 05 33 13-0024	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. For 5 #12 THWN Conductor Instead Of THHN, Add	1,349.96 2.74	403.85
26 05 33 13-0025	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. For 2 #10 THWN Conductor Instead Of THHN, Add	1,153.29 1.64	342.68
26 05 33 13-0026	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. For 3 #10 THWN Conductor Instead Of THHN, Add	1,251.33 2.47	371.23
26 05 33 13-0027	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. For 4 #10 THWN Conductor Instead Of THHN, Add	1,349.38 3.29	399.78
26 05 33 13-0028	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. For 5 #10 THWN Conductor Instead Of THHN, Add	1,447.43 4.11	428.33
26 05 33 13-0029	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #8 THWN Conductor Instead Of THHN, Add	1,386.68 346.21 4.30	403.85
26 05 33 13-0030	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #6 THWN Conductor Instead Of THHN, Add	1,548.34 374.17 7.12	436.48
26 05 33 13-0031	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #6 THWN Conductor Instead Of THHN, Add	1,723.95 412.62 9.49	481.34
26 05 33 13-0032			Rigid Galvanized Steel (RGS) Conduit Assemblies (26 05 33 13-0001) Note: Includes conduit, field bends, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0249 for larger copper conductor, 26 05 33 13-0059 for larger RGS conduit.		
26 05 33 13-0033	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For 2 #12 THWN Conductor Instead Of THHN, Add	1,128.68 1.10	324.16
26 05 33 13-0034	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For 3 #12 THWN Conductor Instead Of THHN, Add	1,209.57 1.65	348.63
26 05 33 13-0035	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For 2 #10 THWN Conductor Instead Of THHN, Add	1,174.67 1.64	336.39
26 05 33 13-0036	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For 3 #10 THWN Conductor Instead Of THHN, Add	1,272.71 2.47	364.94

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 05 33 13-0037	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	1,274.50 309.29 2.87	360.86
26 05 33 13-0038	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,229.94 1.10	345.72
26 05 33 13-0039	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,310.83 1.65	370.19
26 05 33 13-0040	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,391.70	394.65
26 05 33 13-0041	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,275.92 1.64	357.95
26 05 33 13-0042	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,373.97 2.47	386.50
26 05 33 13-0043	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,472.02 3.29	415.04
26 05 33 13-0044	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,509.32 359.21 4.30	419.12
26 05 33 13-0045	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,642.88 390.67 5.74	455.82
26 05 33 13-0046	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,495.37 348.72 4.74	406.89
26 05 33 13-0047	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,670.98 387.17 7.12	451.74
26 05 33 13-0048	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,547.67 1.65	412.83
26 05 33 13-0049	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,628.57	437.30
26 05 33 13-0050	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,709.44 2.74	461.77
26 05 33 13-0051	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,610.82 2.47	429.15
26 05 33 13-0052	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,708.87 3.29	457.69
26 05 33 13-0053	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,806.92 4.11	486.24
26 05 33 13-0054	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,746.16 395.81 4.30	461.77
26 05 33 13-0055	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,907.83 423.77 7.12	494.40
26 05 33 13-0056	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	2,083.44 462.22 9.49	539.25

26 05 33 13-0057 Conduit (26 05 33 13)

Note: Includes warning tape for underground conduits. Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

26 05 33 13-0058		Conduit Installed Above Grade <small>(26 05 33 13-0057)</small>		
26 05 33 13-0059		Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit <small>(26 05 33 13-0058)</small>		
		Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0060		Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <small>(26 05 33 13-0059)</small>		
		Note: Includes field bending for conduit up to 1".		
26 05 33 13-0061	LF	1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	8.03	2.56
		For >250 To 500, Deduct	-0.08	
		For >500 To 1,000, Deduct	-0.44	
		For >1,000, Deduct	-0.64	
		For Installation In Metal Stud Wall, Add	0.64	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.60	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.96	
		For Work In Restricted Working Space, Add	1.92	
		For Installation Above 14', Add	0.96	
26 05 33 13-0062	LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	8.99	2.79
		For >250 To 500, Deduct	-0.10	
		For >500 To 1,000, Deduct	-0.50	
		For >1,000, Deduct	-0.72	
		For Installation In Metal Stud Wall, Add	0.70	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.75	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.05	
		For Work In Restricted Working Space, Add	2.10	
		For Installation Above 14', Add	1.05	
26 05 33 13-0063	LF	1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	11.25	3.27
		For >250 To 500, Deduct	-0.16	
		For >500 To 1,000, Deduct	-0.64	
		For >1,000, Deduct	-0.92	
		For Installation In Metal Stud Wall, Add	0.82	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.04	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.22	
		For Work In Restricted Working Space, Add	2.45	
		For Installation Above 14', Add	1.22	
26 05 33 13-0064	LF	1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	13.46	3.73
		For >250 To 500, Deduct	-0.21	
		For >500 To 1,000, Deduct	-0.78	
		For >1,000, Deduct	-1.11	
		For Installation In Metal Stud Wall, Add	0.93	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.33	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.40	
		For Work In Restricted Working Space, Add	2.80	
		For Installation Above 14', Add	1.40	
26 05 33 13-0065	LF	1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	15.55	4.20
		For >250 To 500, Deduct	-0.25	
		For >500 To 1,000, Deduct	-0.90	
		For >1,000, Deduct	-1.29	
		For Installation In Metal Stud Wall, Add	1.05	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.62	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.57	
		For Work In Restricted Working Space, Add	3.15	
		For Installation Above 14', Add	1.57	
26 05 33 13-0066	LF	2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	19.58	5.13
		For >250 To 500, Deduct	-0.34	
		For >500 To 1,000, Deduct	-1.15	
		For >1,000, Deduct	-1.64	
		For Installation In Metal Stud Wall, Add	1.28	
		For Installation In Wood Stud Wall (Includes Drilling), Add	3.21	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.92	
		For Work In Restricted Working Space, Add	3.85	
		For Installation Above 14', Add	1.92	
26 05 33 13-0067	LF	2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	28.69	6.99
		For >250 To 500, Deduct	-0.56	
		For >500 To 1,000, Deduct	-1.71	
		For >1,000, Deduct	-2.43	
		For Installation In Metal Stud Wall, Add	1.75	
		For Installation In Wood Stud Wall (Includes Drilling), Add	4.37	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.62	
		For Work In Restricted Working Space, Add	5.24	
		For Installation Above 14', Add	2.62	
26 05 33 13-0068	LF	3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	37.57	9.33
		For >250 To 500, Deduct	-0.71	
		For >500 To 1,000, Deduct	-2.24	
		For >1,000, Deduct	-3.17	
		For Installation In Metal Stud Wall, Add	2.33	
		For Installation In Wood Stud Wall (Includes Drilling), Add	5.83	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.50	
		For Work In Restricted Working Space, Add	6.99	
		For Installation Above 14', Add	3.50	
26 05 33 13-0069	LF	3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	46.53	11.65
		For >250 To 500, Deduct	-0.87	
		For >500 To 1,000, Deduct	-2.76	
		For >1,000, Deduct	-3.92	
		For Installation In Metal Stud Wall, Add	2.91	
		For Installation In Wood Stud Wall (Includes Drilling), Add	7.28	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.37	
		For Work In Restricted Working Space, Add	8.74	
		For Installation Above 14', Add	4.37	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0070	LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	55.20	13.98
	For >250 To 500, Deduct	-1.01	
	For >500 To 1,000, Deduct	-3.27	
	For >1,000, Deduct	-4.65	
	For Installation In Metal Stud Wall, Add	3.50	
	For Installation In Wood Stud Wall (Includes Drilling), Add	8.74	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.24	
	For Work In Restricted Working Space, Add	10.49	
	For Installation Above 14', Add	5.24	
26 05 33 13-0071	LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	85.30	17.71
	For >250 To 500, Deduct	-2.05	
	For >500 To 1,000, Deduct	-5.29	
	For >1,000, Deduct	-7.42	
	For Installation In Metal Stud Wall, Add	4.43	
	For Installation In Wood Stud Wall (Includes Drilling), Add	11.07	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	6.64	
	For Work In Restricted Working Space, Add	13.28	
	For Installation Above 14', Add	6.64	
26 05 33 13-0072	LF 6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	113.60	22.37
	For >250 To 500, Deduct	-2.88	
	For >500 To 1,000, Deduct	-7.12	
	For >1,000, Deduct	-9.96	
	For Installation In Metal Stud Wall, Add	5.59	
	For Installation In Wood Stud Wall (Includes Drilling), Add	13.98	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	8.39	
	For Work In Restricted Working Space, Add	16.78	
	For Installation Above 14', Add	8.39	
26 05 33 13-0073	Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow (26 05 33 13-0059)		
	See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0074	EA 1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	32.96	11.54
	For Work In Restricted Working Space, Add	8.68	
	For Installation Above 14', Add	4.34	
26 05 33 13-0075	EA 3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	41.28	14.33
	For Work In Restricted Working Space, Add	10.79	
	For Installation Above 14', Add	5.40	
26 05 33 13-0076	EA 1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	52.03	17.60
	For Work In Restricted Working Space, Add	13.16	
	For Installation Above 14', Add	6.58	
26 05 33 13-0077	EA 1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	64.92	20.39
	For Work In Restricted Working Space, Add	15.28	
	For Installation Above 14', Add	7.64	
26 05 33 13-0078	EA 1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	75.14	23.42
	For Work In Restricted Working Space, Add	17.54	
	For Installation Above 14', Add	8.77	
26 05 33 13-0079	EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	87.24	25.75
	For Work In Restricted Working Space, Add	19.29	
	For Installation Above 14', Add	9.65	
26 05 33 13-0080	EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	121.25	32.16
	For Work In Restricted Working Space, Add	24.12	
	For Installation Above 14', Add	12.06	
26 05 33 13-0081	EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	170.35	43.81
	For Work In Restricted Working Space, Add	32.86	
	For Installation Above 14', Add	16.43	
26 05 33 13-0082	EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	218.63	49.40
	For Work In Restricted Working Space, Add	37.06	
	For Installation Above 14', Add	18.53	
26 05 33 13-0083	EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	270.36	64.32
	For Work In Restricted Working Space, Add	48.23	
	For Installation Above 14', Add	24.12	
26 05 33 13-0084	EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	442.02	104.87
	For Work In Restricted Working Space, Add	78.66	
	For Installation Above 14', Add	39.33	
26 05 33 13-0085	EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	664.40	157.53
	For Work In Restricted Working Space, Add	118.14	
	For Installation Above 14', Add	59.07	
26 05 33 13-0086	Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow (26 05 33 13-0059)		
	See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0087	EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	32.96	11.54
	For Work In Restricted Working Space, Add	8.68	
	For Installation Above 14', Add	4.34	
26 05 33 13-0088	EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	41.28	14.33
	For Work In Restricted Working Space, Add	10.79	
	For Installation Above 14', Add	5.40	
26 05 33 13-0089	EA 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	52.03	17.60
	For Work In Restricted Working Space, Add	13.16	
	For Installation Above 14', Add	6.58	
26 05 33 13-0090	EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	64.92	20.39
	For Work In Restricted Working Space, Add	15.28	
	For Installation Above 14', Add	7.64	
26 05 33 13-0091	EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	75.14	23.42
	For Work In Restricted Working Space, Add	17.54	
	For Installation Above 14', Add	8.77	
26 05 33 13-0092	EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	87.24	25.75
	For Work In Restricted Working Space, Add	19.29	
	For Installation Above 14', Add	9.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0093	EA		2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	119.59	32.16
			<i>For Work In Restricted Working Space, Add</i>	24.12	
			<i>For Installation Above 14', Add</i>	12.06	
26 05 33 13-0094	EA		3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	163.89	43.81
			<i>For Work In Restricted Working Space, Add</i>	32.86	
			<i>For Installation Above 14', Add</i>	16.43	
26 05 33 13-0095	EA		3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	209.54	49.40
			<i>For Work In Restricted Working Space, Add</i>	37.06	
			<i>For Installation Above 14', Add</i>	18.53	
26 05 33 13-0096	EA		4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	258.28	64.32
			<i>For Work In Restricted Working Space, Add</i>	48.23	
			<i>For Installation Above 14', Add</i>	24.12	
26 05 33 13-0097	EA		5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	442.02	104.87
			<i>For Work In Restricted Working Space, Add</i>	78.66	
			<i>For Installation Above 14', Add</i>	39.33	
26 05 33 13-0098	EA		6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	664.40	157.53
			<i>For Work In Restricted Working Space, Add</i>	118.14	
			<i>For Installation Above 14', Add</i>	59.07	
26 05 33 13-0099			Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <small>(26 05 33 13-0059)</small>		
			See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0100	EA		1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	77.04	28.78
			<i>For Work In Restricted Working Space, Add</i>	17.27	
			<i>For Installation Above 14', Add</i>	8.63	
26 05 33 13-0101	EA		1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	88.88	33.33
			<i>For Work In Restricted Working Space, Add</i>	20.00	
			<i>For Installation Above 14', Add</i>	10.00	
26 05 33 13-0102	EA		1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	102.37	37.87
			<i>For Work In Restricted Working Space, Add</i>	22.72	
			<i>For Installation Above 14', Add</i>	11.36	
26 05 33 13-0103	EA		2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	114.69	41.66
			<i>For Work In Restricted Working Space, Add</i>	24.99	
			<i>For Installation Above 14', Add</i>	12.50	
26 05 33 13-0104			Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <small>(26 05 33 13-0059)</small>		
			See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0105	EA		1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	82.09	28.78
			<i>For Work In Restricted Working Space, Add</i>	17.27	
			<i>For Installation Above 14', Add</i>	8.63	
26 05 33 13-0106	EA		1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	95.37	33.33
			<i>For Work In Restricted Working Space, Add</i>	20.00	
			<i>For Installation Above 14', Add</i>	10.00	
26 05 33 13-0107	EA		1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	105.33	37.87
			<i>For Work In Restricted Working Space, Add</i>	22.72	
			<i>For Installation Above 14', Add</i>	11.36	
26 05 33 13-0108	EA		2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	117.99	41.66
			<i>For Work In Restricted Working Space, Add</i>	24.99	
			<i>For Installation Above 14', Add</i>	12.50	
26 05 33 13-0109	EA		2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	154.84	52.26
			<i>For Work In Restricted Working Space, Add</i>	31.35	
			<i>For Installation Above 14', Add</i>	15.68	
26 05 33 13-0110	EA		3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	208.96	71.19
			<i>For Work In Restricted Working Space, Add</i>	42.72	
			<i>For Installation Above 14', Add</i>	21.36	
26 05 33 13-0111			Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <small>(26 05 33 13-0059)</small>		
			See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0112	EA		1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	82.32	28.78
			<i>For Work In Restricted Working Space, Add</i>	17.27	
			<i>For Installation Above 14', Add</i>	8.63	
26 05 33 13-0113	EA		1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	94.73	33.33
			<i>For Work In Restricted Working Space, Add</i>	20.00	
			<i>For Installation Above 14', Add</i>	10.00	
26 05 33 13-0114	EA		1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	108.52	37.87
			<i>For Work In Restricted Working Space, Add</i>	22.72	
			<i>For Installation Above 14', Add</i>	11.36	
26 05 33 13-0115	EA		2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	125.14	41.66
			<i>For Work In Restricted Working Space, Add</i>	24.99	
			<i>For Installation Above 14', Add</i>	12.50	
26 05 33 13-0116	EA		2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	161.51	52.26
			<i>For Work In Restricted Working Space, Add</i>	31.35	
			<i>For Installation Above 14', Add</i>	15.68	
26 05 33 13-0117	EA		3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	214.33	71.19
			<i>For Work In Restricted Working Space, Add</i>	42.72	
			<i>For Installation Above 14', Add</i>	21.36	
26 05 33 13-0118	EA		3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	262.26	80.28
			<i>For Work In Restricted Working Space, Add</i>	48.17	
			<i>For Installation Above 14', Add</i>	24.09	
26 05 33 13-0119	EA		4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	322.67	104.51
			<i>For Work In Restricted Working Space, Add</i>	62.71	
			<i>For Installation Above 14', Add</i>	31.36	
26 05 33 13-0120			Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <small>(26 05 33 13-0059)</small>		
			See CSI section 26 05 33 13-1638 for conduit field bending.		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0121	EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	90.38 17.27 8.63	28.78
26 05 33 13-0122	EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	102.63 20.00 10.00	33.33
26 05 33 13-0123	EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	114.44 22.72 11.36	37.87
26 05 33 13-0124	EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	133.87 24.99 12.50	41.66
26 05 33 13-0125	EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	173.41 31.35 15.68	52.26
26 05 33 13-0126	EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	232.98 42.72 21.36	71.19
26 05 33 13-0127	EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	280.39 48.17 24.09	80.28
26 05 33 13-0128	EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	337.12 62.71 31.36	104.51
26 05 33 13-0129	Rigid Galvanized Steel (RGS) 30" Large Radius Elbow (26 05 33 13-0059) See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0130	EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	89.90 17.27 8.64	28.78
26 05 33 13-0131	EA 1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	108.51 20.00 10.00	33.33
26 05 33 13-0132	EA 1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	120.80 22.72 11.36	37.87
26 05 33 13-0133	EA 2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	142.18 24.99 12.50	41.66
26 05 33 13-0134	EA 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	184.82 31.35 15.68	52.26
26 05 33 13-0135	EA 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	247.71 42.72 21.36	71.19
26 05 33 13-0136	EA 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	298.32 48.17 24.09	80.28
26 05 33 13-0137	EA 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	363.65 62.71 31.36	104.51
26 05 33 13-0138	EA 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	539.42 102.25 51.12	170.41
26 05 33 13-0139	Rigid Galvanized Steel (RGS) 36" Large Radius Elbow (26 05 33 13-0059) See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0140	EA 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	94.19 17.27 8.63	28.78
26 05 33 13-0141	EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	111.40 20.00 10.00	33.33
26 05 33 13-0142	EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	131.95 22.72 11.36	37.87
26 05 33 13-0143	EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	148.67 24.99 12.50	41.66
26 05 33 13-0144	EA 2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	198.36 31.35 15.68	52.26
26 05 33 13-0145	EA 3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	260.31 42.72 21.36	71.19
26 05 33 13-0146	EA 3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	321.47 48.17 24.09	80.28
26 05 33 13-0147	EA 4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	376.14 62.71 31.36	104.51
26 05 33 13-0148	EA 5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	641.26 102.25 51.12	170.41
26 05 33 13-0149	EA 6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	842.06 153.60 76.80	256.00

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--	-------	-------------	------------------------	----------------------

26 05 33 13-0150	Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <small>(26 05 33 13-0059)</small> See CSI section 26 05 33 13-1638 for conduit field bending.			
26 05 33 13-0151	EA 1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	100.50	28.78	
		17.27		
		8.64		
26 05 33 13-0152	EA 1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	119.10	33.33	
		20.00		
		10.00		
26 05 33 13-0153	EA 1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	140.13	37.87	
		22.72		
		11.36		
26 05 33 13-0154	EA 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	157.23	41.66	
		24.99		
		12.50		
26 05 33 13-0155	EA 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	208.72	52.26	
		31.36		
		15.68		
26 05 33 13-0156	EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	278.76	71.19	
		42.72		
		21.36		
26 05 33 13-0157	EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	339.98	80.28	
		48.17		
		24.09		
26 05 33 13-0158	EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	429.40	104.51	
		62.71		
		31.36		
26 05 33 13-0159	EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	714.73	170.41	
		102.25		
		51.12		
26 05 33 13-0160	EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	905.68	256.00	
		153.60		
		76.80		

26 05 33 13-0161	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <small>(26 05 33 13-0059)</small> See CSI section 26 05 33 13-1638 for conduit field bending.			
26 05 33 13-0162	EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	105.74	28.78	
		17.27		
		8.64		
26 05 33 13-0163	EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	125.02	33.33	
		20.00		
		10.00		
26 05 33 13-0164	EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	145.30	37.87	
		22.72		
		11.36		
26 05 33 13-0165	EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	173.20	41.66	
		24.99		
		12.50		
26 05 33 13-0166	EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	227.81	52.26	
		31.36		
		15.68		
26 05 33 13-0167	EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	297.36	71.19	
		42.72		
		21.36		
26 05 33 13-0168	EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	363.25	80.28	
		48.17		
		24.09		
26 05 33 13-0169	EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	457.66	104.51	
		62.71		
		31.36		
26 05 33 13-0170	EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	737.74	170.41	
		102.25		
		51.12		
26 05 33 13-0171	EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	918.56	256.00	
		153.60		
		76.80		

26 05 33 13-0172	Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <small>(26 05 33 13-0059)</small>			
26 05 33 13-0173	EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.13	7.43	
		4.46		
		2.23		
		4.46		
26 05 33 13-0174	EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.23	7.92	
		4.76		
		2.38		
		4.76		
26 05 33 13-0175	EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.40	8.91	
		5.35		
		2.67		
		5.35		
26 05 33 13-0176	EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.63	9.91	
		5.94		
		2.97		
		5.94		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

26 05 33 13-0177	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	25.89	12.38
		<i>For Work In Restricted Working Space, Add</i>	7.43	
		<i>For Installation Above 14', Add</i>	3.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33 13-0178	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	31.80	14.85
		<i>For Work In Restricted Working Space, Add</i>	8.91	
		<i>For Installation Above 14', Add</i>	4.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.91	
26 05 33 13-0179	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	39.29	17.33
		<i>For Work In Restricted Working Space, Add</i>	10.40	
		<i>For Installation Above 14', Add</i>	5.20	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.40	
26 05 33 13-0180	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	44.49	19.81
		<i>For Work In Restricted Working Space, Add</i>	11.89	
		<i>For Installation Above 14', Add</i>	5.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.89	
26 05 33 13-0181	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	51.32	18.64
		<i>For Work In Restricted Working Space, Add</i>	13.37	
		<i>For Installation Above 14', Add</i>	6.68	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.37	
26 05 33 13-0182	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	56.97	24.76
		<i>For Work In Restricted Working Space, Add</i>	14.86	
		<i>For Installation Above 14', Add</i>	7.43	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.86	
26 05 33 13-0183	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	67.16	27.24
		<i>For Work In Restricted Working Space, Add</i>	16.34	
		<i>For Installation Above 14', Add</i>	8.17	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.34	
26 05 33 13-0184	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	91.57	29.71
		<i>For Work In Restricted Working Space, Add</i>	17.83	
		<i>For Installation Above 14', Add</i>	8.91	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.83	
26 05 33 13-0185		Rigid Galvanized Steel (RGS) Steel Bushing <small>(26 05 33 13-0059)</small>		
26 05 33 13-0186	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing	18.19	8.73
		<i>For Work In Restricted Working Space, Add</i>	5.24	
		<i>For Installation Above 14', Add</i>	2.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33 13-0187	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing	19.67	9.33
		<i>For Work In Restricted Working Space, Add</i>	5.59	
		<i>For Installation Above 14', Add</i>	2.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.59	
26 05 33 13-0188	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing	22.77	10.49
		<i>For Work In Restricted Working Space, Add</i>	6.29	
		<i>For Installation Above 14', Add</i>	3.15	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 33 13-0189	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	25.52	11.65
		<i>For Work In Restricted Working Space, Add</i>	6.99	
		<i>For Installation Above 14', Add</i>	3.50	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	
26 05 33 13-0190	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	32.40	14.56
		<i>For Work In Restricted Working Space, Add</i>	8.74	
		<i>For Installation Above 14', Add</i>	4.37	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33 13-0191	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	38.48	17.48
		<i>For Work In Restricted Working Space, Add</i>	10.49	
		<i>For Installation Above 14', Add</i>	5.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.49	
26 05 33 13-0192	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	51.83	20.39
		<i>For Work In Restricted Working Space, Add</i>	12.23	
		<i>For Installation Above 14', Add</i>	6.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.23	
26 05 33 13-0193	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	61.11	23.31
		<i>For Work In Restricted Working Space, Add</i>	13.98	
		<i>For Installation Above 14', Add</i>	6.99	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.98	
26 05 33 13-0194	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	86.30	26.21
		<i>For Work In Restricted Working Space, Add</i>	15.73	
		<i>For Installation Above 14', Add</i>	7.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.73	
26 05 33 13-0195	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	113.18	29.13
		<i>For Work In Restricted Working Space, Add</i>	17.48	
		<i>For Installation Above 14', Add</i>	8.74	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.48	
26 05 33 13-0196	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	147.38	32.04
		<i>For Work In Restricted Working Space, Add</i>	19.23	
		<i>For Installation Above 14', Add</i>	9.61	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.23	
26 05 33 13-0197	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	210.51	34.96
		<i>For Work In Restricted Working Space, Add</i>	20.98	
		<i>For Installation Above 14', Add</i>	10.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.98	
26 05 33 13-0198		Rigid Galvanized Steel (RGS) Steel Insulated Bushing <small>(26 05 33 13-0059)</small>		
26 05 33 13-0199	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	19.02	8.73
		<i>For Work In Restricted Working Space, Add</i>	5.24	
		<i>For Installation Above 14', Add</i>	2.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0200	EA		3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.92 5.59 2.80 5.59	9.33
26 05 33 13-0201	EA		1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.35 6.29 3.15 6.29	10.49
26 05 33 13-0202	EA		1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.19 6.99 3.50 6.99	11.65
26 05 33 13-0203	EA		1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.18 8.74 4.37 8.74	14.56
26 05 33 13-0204	EA		2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.41 10.49 5.24 10.49	17.48
26 05 33 13-0205	EA		2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.52 12.23 6.12 12.23	20.39
26 05 33 13-0206	EA		3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.95 13.98 6.99 13.98	23.31
26 05 33 13-0207	EA		3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.76 15.73 7.87 15.73	26.21
26 05 33 13-0208	EA		4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.71 17.48 8.74 17.48	29.13
26 05 33 13-0209	EA		5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.50 19.23 9.61 19.23	32.04
26 05 33 13-0210	EA		6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.02 20.98 10.49 20.98	34.96
26 05 33 13-0211			Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing <small>(26 05 33 13-0059)</small>		
26 05 33 13-0212	EA		1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.18 6.29 3.15 6.29	10.49
26 05 33 13-0213	EA		3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.39 6.99 3.50 6.99	11.65
26 05 33 13-0214	EA		1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.46 7.69 3.84 7.69	12.82
26 05 33 13-0215	EA		1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.56 8.74 4.37 8.74	14.56
26 05 33 13-0216	EA		1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.31 10.84 5.42 10.84	18.06
26 05 33 13-0217	EA		2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.44 12.93 6.47 12.93	21.56
26 05 33 13-0218	EA		2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.04 15.03 7.52 15.03	25.05
26 05 33 13-0219	EA		3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.15 17.48 8.74 17.48	29.13
26 05 33 13-0220	EA		3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.62 19.58 9.79 19.58	32.62
26 05 33 13-0221	EA		4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.39 21.67 10.84 21.67	36.12

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0222	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	172.43	39.62
			<i>For Work In Restricted Working Space, Add</i>	23.77	
			<i>For Installation Above 14', Add</i>	11.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.77	
26 05 33	13-0223	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	231.05	43.69
			<i>For Work In Restricted Working Space, Add</i>	26.22	
			<i>For Installation Above 14', Add</i>	13.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.22	
26 05 33	13-0224		Rigid Galvanized Steel (RGS) Box Connectors With Set Screw (26 05 33 13-0059)		
26 05 33	13-0225	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	15.90	5.36
			<i>For Work In Restricted Working Space, Add</i>	3.99	
			<i>For Installation Above 14', Add</i>	2.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.99	
26 05 33	13-0226	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	19.01	6.18
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For Installation Above 14', Add</i>	2.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33	13-0227	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	24.32	7.45
			<i>For Work In Restricted Working Space, Add</i>	5.57	
			<i>For Installation Above 14', Add</i>	2.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33	13-0228	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	34.39	9.21
			<i>For Work In Restricted Working Space, Add</i>	6.93	
			<i>For Installation Above 14', Add</i>	3.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.93	
26 05 33	13-0229	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	46.43	12.35
			<i>For Work In Restricted Working Space, Add</i>	9.27	
			<i>For Installation Above 14', Add</i>	4.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.27	
26 05 33	13-0230	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	76.72	18.53
			<i>For Work In Restricted Working Space, Add</i>	13.89	
			<i>For Installation Above 14', Add</i>	6.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.89	
26 05 33	13-0231	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	126.57	20.50
			<i>For Work In Restricted Working Space, Add</i>	15.38	
			<i>For Installation Above 14', Add</i>	7.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.38	
26 05 33	13-0232	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	151.22	24.82
			<i>For Work In Restricted Working Space, Add</i>	18.63	
			<i>For Installation Above 14', Add</i>	9.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.63	
26 05 33	13-0233	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	202.22	31.11
			<i>For Work In Restricted Working Space, Add</i>	23.32	
			<i>For Installation Above 14', Add</i>	11.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.32	
26 05 33	13-0234	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	237.68	37.28
			<i>For Work In Restricted Working Space, Add</i>	27.97	
			<i>For Installation Above 14', Add</i>	13.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97	
26 05 33	13-0235	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	395.56	41.48
			<i>For Work In Restricted Working Space, Add</i>	31.07	
			<i>For Installation Above 14', Add</i>	15.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.07	
26 05 33	13-0236	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	469.94	46.61
			<i>For Work In Restricted Working Space, Add</i>	34.95	
			<i>For Installation Above 14', Add</i>	17.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.95	
26 05 33	13-0237		Rigid Galvanized Steel (RGS) Nipples (26 05 33 13-0059)		
26 05 33	13-0238	EA	1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	16.02	7.57
			<i>For Work In Restricted Working Space, Add</i>	4.55	
			<i>For Installation Above 14', Add</i>	2.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33	13-0239	EA	3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	18.46	8.73
			<i>For Work In Restricted Working Space, Add</i>	5.24	
			<i>For Installation Above 14', Add</i>	2.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33	13-0240	EA	1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	23.51	11.07
			<i>For Work In Restricted Working Space, Add</i>	6.64	
			<i>For Installation Above 14', Add</i>	3.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.64	
26 05 33	13-0241	EA	1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	27.38	12.82
			<i>For Work In Restricted Working Space, Add</i>	7.69	
			<i>For Installation Above 14', Add</i>	3.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.69	
26 05 33	13-0242	EA	1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	31.20	14.56
			<i>For Work In Restricted Working Space, Add</i>	8.74	
			<i>For Installation Above 14', Add</i>	4.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33	13-0243	EA	1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	16.09	7.57
			<i>For Work In Restricted Working Space, Add</i>	4.55	
			<i>For Installation Above 14', Add</i>	2.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33	13-0244	EA	3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	18.57	8.73
			<i>For Work In Restricted Working Space, Add</i>	5.24	
			<i>For Installation Above 14', Add</i>	2.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0245	EA		1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.63 6.64 3.32 6.64	11.07
26 05 33 13-0246	EA		1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.54 7.69 3.84 7.69	12.82
26 05 33 13-0247	EA		1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.47 8.74 4.37 8.74	14.56
26 05 33 13-0248	EA		2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.44 9.79 4.89 9.79	16.32
26 05 33 13-0249	EA		1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.17 4.55 2.27 4.55	7.57
26 05 33 13-0250	EA		3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.67 5.24 2.62 5.24	8.73
26 05 33 13-0251	EA		1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.80 6.64 3.32 6.64	11.07
26 05 33 13-0252	EA		1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.69 7.69 3.84 7.69	12.82
26 05 33 13-0253	EA		1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.65 8.74 4.37 8.74	14.56
26 05 33 13-0254	EA		2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.89 9.79 4.89 9.79	16.32
26 05 33 13-0255	EA		2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.36 11.89 5.94 11.89	19.81
26 05 33 13-0256	EA		3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.05 16.43 8.21 16.43	27.39
26 05 33 13-0257	EA		1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.27 4.55 2.27 4.55	7.57
26 05 33 13-0258	EA		3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.72 5.24 2.62 5.24	8.73
26 05 33 13-0259	EA		1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.03 6.64 3.32 6.64	11.07
26 05 33 13-0260	EA		1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.98 7.69 3.84 7.69	12.82
26 05 33 13-0261	EA		1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.02 8.74 4.37 8.74	14.56
26 05 33 13-0262	EA		2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.34 9.79 4.89 9.79	16.32
26 05 33 13-0263	EA		2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.59 11.89 5.94 11.89	19.81
26 05 33 13-0264	EA		3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.11 16.43 8.21 16.43	27.39
26 05 33 13-0265	EA		1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.36 4.55 2.27 4.55	7.57
26 05 33 13-0266	EA		3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple..... For Work In Restricted Working Space, Add For Installation Above 14', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.89 5.24 2.62 5.24	8.73

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0267	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.16 6.64 3.32 6.64	11.07
26 05 33	13-0268	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.11 7.69 3.84 7.69	12.82
26 05 33	13-0269	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.28 8.74 4.37 8.74	14.56
26 05 33	13-0270	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.72 9.79 4.89 9.79	16.32
26 05 33	13-0271	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.97 11.89 5.94 11.89	19.81
26 05 33	13-0272	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.90 16.43 8.21 16.43	27.39
26 05 33	13-0273	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.09 18.53 9.26 18.53	30.88
26 05 33	13-0274	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.24 24.12 12.06 24.12	40.20
26 05 33	13-0275	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.51 4.55 2.27 4.55	7.57
26 05 33	13-0276	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.10 5.24 2.62 5.24	8.73
26 05 33	13-0277	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.44 6.64 3.32 6.64	11.07
26 05 33	13-0278	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.51 7.69 3.84 7.69	12.82
26 05 33	13-0279	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.66 8.74 4.37 8.74	14.56
26 05 33	13-0280	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.41 9.79 4.89 9.79	16.32
26 05 33	13-0281	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.48 11.89 5.94 11.89	19.81
26 05 33	13-0282	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.54 16.43 8.21 16.43	27.39
26 05 33	13-0283	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.72 18.53 9.26 18.53	30.88
26 05 33	13-0284	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.63 24.12 12.06 24.12	40.20
26 05 33	13-0285	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.21 33.20 16.60 33.20	55.34
26 05 33	13-0286	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	181.31 42.61 21.30 42.61	70.96
26 05 33	13-0287	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.77 4.55 2.27 4.55	7.57
26 05 33	13-0288	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.37 5.24 2.62 5.24	8.73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0289	EA		1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.65 6.64 3.32 6.64	11.07
26 05 33 13-0290	EA		1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.87 7.69 3.84 7.69	12.82
26 05 33 13-0291	EA		1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.47 8.74 4.37 8.74	14.56
26 05 33 13-0292	EA		2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.10 9.79 4.89 9.79	16.32
26 05 33 13-0293	EA		2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.81 11.89 5.94 11.89	19.81
26 05 33 13-0294	EA		3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.22 16.43 8.21 16.43	27.39
26 05 33 13-0295	EA		3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.72 18.53 9.26 18.53	30.88
26 05 33 13-0296	EA		4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.53 24.12 12.06 24.12	40.20
26 05 33 13-0297	EA		5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.98 33.20 16.60 33.20	55.34
26 05 33 13-0298	EA		6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	185.38 42.61 21.30 42.61	70.96
26 05 33 13-0299	EA		1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.73 4.55 2.27 4.55	7.57
26 05 33 13-0300	EA		3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.61 5.24 2.62 5.24	8.73
26 05 33 13-0301	EA		1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.10 6.64 3.32 6.64	11.07
26 05 33 13-0302	EA		1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.93 7.69 3.84 7.69	12.82
26 05 33 13-0303	EA		1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.77 8.74 4.37 8.74	14.56
26 05 33 13-0304	EA		2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.52 9.79 4.89 9.79	16.32
26 05 33 13-0305	EA		2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.34 11.89 5.94 11.89	19.81
26 05 33 13-0306	EA		3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.27 16.43 8.21 16.43	27.39
26 05 33 13-0307	EA		3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.76 18.53 9.26 18.53	30.88
26 05 33 13-0308	EA		4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.99 24.12 12.06 24.12	40.20
26 05 33 13-0309	EA		5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.42 33.20 16.60 33.20	55.34
26 05 33 13-0310	EA		6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	192.61 42.61 21.30 42.61	70.96

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0311	EA	1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	18.38	7.57
		<i>For Work In Restricted Working Space, Add</i>	4.55	
		<i>For Installation Above 14', Add</i>	2.27	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-0312	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	21.23	8.73
		<i>For Work In Restricted Working Space, Add</i>	5.24	
		<i>For Installation Above 14', Add</i>	2.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33 13-0313	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	27.25	11.07
		<i>For Work In Restricted Working Space, Add</i>	6.64	
		<i>For Installation Above 14', Add</i>	3.32	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.64	
26 05 33 13-0314	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	32.30	12.82
		<i>For Work In Restricted Working Space, Add</i>	7.69	
		<i>For Installation Above 14', Add</i>	3.84	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.69	
26 05 33 13-0315	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	37.11	14.56
		<i>For Work In Restricted Working Space, Add</i>	8.74	
		<i>For Installation Above 14', Add</i>	4.37	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33 13-0316	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	42.08	16.32
		<i>For Work In Restricted Working Space, Add</i>	9.79	
		<i>For Installation Above 14', Add</i>	4.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.79	
26 05 33 13-0317	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	56.72	19.81
		<i>For Work In Restricted Working Space, Add</i>	11.89	
		<i>For Installation Above 14', Add</i>	5.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.89	
26 05 33 13-0318	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	75.45	27.39
		<i>For Work In Restricted Working Space, Add</i>	16.43	
		<i>For Installation Above 14', Add</i>	8.21	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.43	
26 05 33 13-0319	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	85.96	30.88
		<i>For Work In Restricted Working Space, Add</i>	18.53	
		<i>For Installation Above 14', Add</i>	9.26	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 05 33 13-0320	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	108.31	40.20
		<i>For Work In Restricted Working Space, Add</i>	24.12	
		<i>For Installation Above 14', Add</i>	12.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.12	
26 05 33 13-0321	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	158.45	55.34
		<i>For Work In Restricted Working Space, Add</i>	33.20	
		<i>For Installation Above 14', Add</i>	16.60	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.20	
26 05 33 13-0322	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	205.24	70.96
		<i>For Work In Restricted Working Space, Add</i>	42.61	
		<i>For Installation Above 14', Add</i>	21.30	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.61	
26 05 33 13-0323	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	18.88	7.57
		<i>For Work In Restricted Working Space, Add</i>	4.55	
		<i>For Installation Above 14', Add</i>	2.27	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-0324	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	21.70	8.73
		<i>For Work In Restricted Working Space, Add</i>	5.24	
		<i>For Installation Above 14', Add</i>	2.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33 13-0325	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	27.94	11.07
		<i>For Work In Restricted Working Space, Add</i>	6.64	
		<i>For Installation Above 14', Add</i>	3.32	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.64	
26 05 33 13-0326	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	33.39	12.82
		<i>For Work In Restricted Working Space, Add</i>	7.69	
		<i>For Installation Above 14', Add</i>	3.84	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.69	
26 05 33 13-0327	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	37.79	14.56
		<i>For Work In Restricted Working Space, Add</i>	8.74	
		<i>For Installation Above 14', Add</i>	4.37	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33 13-0328	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	43.39	16.32
		<i>For Work In Restricted Working Space, Add</i>	9.79	
		<i>For Installation Above 14', Add</i>	4.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.79	
26 05 33 13-0329	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	59.51	19.81
		<i>For Work In Restricted Working Space, Add</i>	11.89	
		<i>For Installation Above 14', Add</i>	5.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.89	
26 05 33 13-0330	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	79.88	27.39
		<i>For Work In Restricted Working Space, Add</i>	16.43	
		<i>For Installation Above 14', Add</i>	8.21	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.43	
26 05 33 13-0331	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	90.04	30.88
		<i>For Work In Restricted Working Space, Add</i>	18.53	
		<i>For Installation Above 14', Add</i>	9.26	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 05 33 13-0332	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	113.63	40.20
		<i>For Work In Restricted Working Space, Add</i>	24.12	
		<i>For Installation Above 14', Add</i>	12.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0333	EA		5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	168.54	55.34
			<i>For Work In Restricted Working Space, Add</i>	33.20	
			<i>For Installation Above 14', Add</i>	16.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.20	
26 05 33 13-0334	EA		6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	212.27	70.96
			<i>For Work In Restricted Working Space, Add</i>	42.61	
			<i>For Installation Above 14', Add</i>	21.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.61	
26 05 33 13-0335			Rigid Galvanized Steel (RGS) Off-Set Nipples <small>(26 05 33 13-0059)</small>		
26 05 33 13-0336	EA		1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	16.66	6.06
			<i>For Work In Restricted Working Space, Add</i>	4.58	
			<i>For Installation Above 14', Add</i>	2.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.58	
26 05 33 13-0337	EA		3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	19.50	6.99
			<i>For Work In Restricted Working Space, Add</i>	5.21	
			<i>For Installation Above 14', Add</i>	2.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.21	
26 05 33 13-0338	EA		1" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	24.66	8.85
			<i>For Work In Restricted Working Space, Add</i>	6.67	
			<i>For Installation Above 14', Add</i>	3.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.67	
26 05 33 13-0339	EA		1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	30.56	10.61
			<i>For Work In Restricted Working Space, Add</i>	7.99	
			<i>For Installation Above 14', Add</i>	4.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.99	
26 05 33 13-0340	EA		1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	33.45	11.65
			<i>For Work In Restricted Working Space, Add</i>	8.75	
			<i>For Installation Above 14', Add</i>	4.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.75	
26 05 33 13-0341	EA		2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	42.73	14.33
			<i>For Work In Restricted Working Space, Add</i>	10.77	
			<i>For Installation Above 14', Add</i>	5.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.77	
26 05 33 13-0342	EA		2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	69.63	23.31
			<i>For Work In Restricted Working Space, Add</i>	17.48	
			<i>For Installation Above 14', Add</i>	8.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.48	
26 05 33 13-0343	EA		3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	106.22	32.16
			<i>For Work In Restricted Working Space, Add</i>	24.12	
			<i>For Installation Above 14', Add</i>	12.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.12	
26 05 33 13-0344	EA		3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	129.32	37.98
			<i>For Work In Restricted Working Space, Add</i>	28.33	
			<i>For Installation Above 14', Add</i>	14.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.33	
26 05 33 13-0345	EA		4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	153.42	43.81
			<i>For Work In Restricted Working Space, Add</i>	32.86	
			<i>For Installation Above 14', Add</i>	16.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.86	
26 05 33 13-0346			Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling <small>(26 05 33 13-0059)</small>		
			Note: Erickson fittings.		
26 05 33 13-0347	EA		1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	48.61	18.64
			<i>For Work In Restricted Working Space, Add</i>	14.00	
			<i>For Installation Above 14', Add</i>	7.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.00	
26 05 33 13-0348	EA		3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	54.57	20.85
			<i>For Work In Restricted Working Space, Add</i>	15.62	
			<i>For Installation Above 14', Add</i>	7.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62	
26 05 33 13-0349	EA		1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	62.59	23.19
			<i>For Work In Restricted Working Space, Add</i>	17.40	
			<i>For Installation Above 14', Add</i>	8.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.40	
26 05 33 13-0350	EA		1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	73.27	25.40
			<i>For Work In Restricted Working Space, Add</i>	19.05	
			<i>For Installation Above 14', Add</i>	9.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.05	
26 05 33 13-0351	EA		1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	81.18	27.74
			<i>For Work In Restricted Working Space, Add</i>	20.84	
			<i>For Installation Above 14', Add</i>	10.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.84	
26 05 33 13-0352	EA		2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	98.69	30.06
			<i>For Work In Restricted Working Space, Add</i>	22.57	
			<i>For Installation Above 14', Add</i>	11.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.57	
26 05 33 13-0353	EA		2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	147.57	37.28
			<i>For Work In Restricted Working Space, Add</i>	27.97	
			<i>For Installation Above 14', Add</i>	13.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97	
26 05 33 13-0354	EA		3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	199.02	46.61
			<i>For Work In Restricted Working Space, Add</i>	34.96	
			<i>For Installation Above 14', Add</i>	17.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.96	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0355	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	277.28	55.93
			<i>For Work In Restricted Working Space, Add</i>	41.96	
			<i>For Installation Above 14', Add</i>	20.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.96	
26 05 33	13-0356	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	313.06	60.59
			<i>For Work In Restricted Working Space, Add</i>	45.44	
			<i>For Installation Above 14', Add</i>	22.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.44	
26 05 33	13-0357	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	518.06	74.57
			<i>For Work In Restricted Working Space, Add</i>	55.92	
			<i>For Installation Above 14', Add</i>	27.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.92	
26 05 33	13-0358	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	657.61	86.22
			<i>For Work In Restricted Working Space, Add</i>	64.66	
			<i>For Installation Above 14', Add</i>	32.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.66	
26 05 33 13-0359 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0059)</small>					
26 05 33	13-0360	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	27.04	9.33
			<i>For Work In Restricted Working Space, Add</i>	6.99	
			<i>For Installation Above 14', Add</i>	3.50	
26 05 33	13-0361	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	30.04	10.26
			<i>For Work In Restricted Working Space, Add</i>	7.69	
			<i>For Installation Above 14', Add</i>	3.84	
26 05 33	13-0362	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	34.38	11.65
			<i>For Work In Restricted Working Space, Add</i>	8.74	
			<i>For Installation Above 14', Add</i>	4.37	
26 05 33	13-0363	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	38.39	12.58
			<i>For Work In Restricted Working Space, Add</i>	9.44	
			<i>For Installation Above 14', Add</i>	4.72	
26 05 33	13-0364	EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	44.61	13.98
			<i>For Work In Restricted Working Space, Add</i>	10.49	
			<i>For Installation Above 14', Add</i>	5.24	
26 05 33	13-0365	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	52.72	15.38
			<i>For Work In Restricted Working Space, Add</i>	11.54	
			<i>For Installation Above 14', Add</i>	5.77	
26 05 33	13-0366	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	69.49	18.64
			<i>For Work In Restricted Working Space, Add</i>	13.98	
			<i>For Installation Above 14', Add</i>	6.99	
26 05 33	13-0367	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	86.17	23.31
			<i>For Work In Restricted Working Space, Add</i>	17.48	
			<i>For Installation Above 14', Add</i>	8.74	
26 05 33	13-0368	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	103.50	27.97
			<i>For Work In Restricted Working Space, Add</i>	20.98	
			<i>For Installation Above 14', Add</i>	10.49	
26 05 33	13-0369	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	115.62	30.29
			<i>For Work In Restricted Working Space, Add</i>	22.72	
			<i>For Installation Above 14', Add</i>	11.36	
26 05 33 13-0370 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <small>(26 05 33 13-0059)</small>					
26 05 33	13-0371	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	24.40	10.49
			<i>For Work In Restricted Working Space, Add</i>	6.29	
			<i>For Installation Above 14', Add</i>	3.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 33	13-0372	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	27.16	11.65
			<i>For Work In Restricted Working Space, Add</i>	6.99	
			<i>For Installation Above 14', Add</i>	3.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	
26 05 33	13-0373	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	33.65	14.56
			<i>For Work In Restricted Working Space, Add</i>	8.74	
			<i>For Installation Above 14', Add</i>	4.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33	13-0374	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	41.10	17.48
			<i>For Work In Restricted Working Space, Add</i>	10.49	
			<i>For Installation Above 14', Add</i>	5.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.49	
26 05 33	13-0375	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	53.36	23.31
			<i>For Work In Restricted Working Space, Add</i>	13.98	
			<i>For Installation Above 14', Add</i>	6.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.98	
26 05 33	13-0376	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	61.46	26.21
			<i>For Work In Restricted Working Space, Add</i>	15.73	
			<i>For Installation Above 14', Add</i>	7.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.73	
26 05 33	13-0377	EA	2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	73.57	29.13
			<i>For Work In Restricted Working Space, Add</i>	17.48	
			<i>For Installation Above 14', Add</i>	8.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.48	
26 05 33	13-0378	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	97.40	36.70
			<i>For Work In Restricted Working Space, Add</i>	22.02	
			<i>For Installation Above 14', Add</i>	11.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.02	
26 05 33	13-0379	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	116.12	44.27
			<i>For Work In Restricted Working Space, Add</i>	26.57	
			<i>For Installation Above 14', Add</i>	13.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.57	

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

26 05 33 13-0380	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	141.21	52.44
		<i>For Work In Restricted Working Space, Add</i>	31.46	
		<i>For Installation Above 14', Add</i>	15.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.46	

26 05 33 13-0381 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement (26 05 33 13-0059)

Note: Type AX

26 05 33 13-0382	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	96.02	18.64
		<i>For Work In Restricted Working Space, Add</i>	13.99	
		<i>For Installation Above 14', Add</i>	6.99	
26 05 33 13-0383	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	108.82	20.98
		<i>For Work In Restricted Working Space, Add</i>	15.73	
		<i>For Installation Above 14', Add</i>	7.86	
26 05 33 13-0384	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	127.65	23.31
		<i>For Work In Restricted Working Space, Add</i>	17.48	
		<i>For Installation Above 14', Add</i>	8.74	
26 05 33 13-0385	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	153.95	25.63
		<i>For Work In Restricted Working Space, Add</i>	19.23	
		<i>For Installation Above 14', Add</i>	9.61	
26 05 33 13-0386	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	190.00	27.97
		<i>For Work In Restricted Working Space, Add</i>	20.97	
		<i>For Installation Above 14', Add</i>	10.49	
26 05 33 13-0387	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	255.87	30.29
		<i>For Work In Restricted Working Space, Add</i>	22.72	
		<i>For Installation Above 14', Add</i>	11.36	
26 05 33 13-0388	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	384.42	37.28
		<i>For Work In Restricted Working Space, Add</i>	27.97	
		<i>For Installation Above 14', Add</i>	13.98	
26 05 33 13-0389	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	491.57	46.61
		<i>For Work In Restricted Working Space, Add</i>	34.96	
		<i>For Installation Above 14', Add</i>	17.48	
26 05 33 13-0390	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	707.78	55.93
		<i>For Work In Restricted Working Space, Add</i>	41.95	
		<i>For Installation Above 14', Add</i>	20.97	
26 05 33 13-0391	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	755.27	60.59
		<i>For Work In Restricted Working Space, Add</i>	45.44	
		<i>For Installation Above 14', Add</i>	22.72	
26 05 33 13-0392	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,142.05	74.57
		<i>For Work In Restricted Working Space, Add</i>	55.93	
		<i>For Installation Above 14', Add</i>	27.96	
26 05 33 13-0393	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,395.75	82.73
		<i>For Work In Restricted Working Space, Add</i>	62.08	
		<i>For Installation Above 14', Add</i>	31.04	

26 05 33 13-0394 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement (26 05 33 13-0059)

Note: Type AX-8

26 05 33 13-0395	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	104.28	18.64
		<i>For Work In Restricted Working Space, Add</i>	13.99	
		<i>For Installation Above 14', Add</i>	6.99	
26 05 33 13-0396	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	116.14	20.98
		<i>For Work In Restricted Working Space, Add</i>	15.73	
		<i>For Installation Above 14', Add</i>	7.86	
26 05 33 13-0397	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	139.13	23.31
		<i>For Work In Restricted Working Space, Add</i>	17.48	
		<i>For Installation Above 14', Add</i>	8.74	
26 05 33 13-0398	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	172.03	25.63
		<i>For Work In Restricted Working Space, Add</i>	19.23	
		<i>For Installation Above 14', Add</i>	9.61	
26 05 33 13-0399	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	225.93	27.97
		<i>For Work In Restricted Working Space, Add</i>	20.97	
		<i>For Installation Above 14', Add</i>	10.49	
26 05 33 13-0400	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	273.03	30.29
		<i>For Work In Restricted Working Space, Add</i>	22.72	
		<i>For Installation Above 14', Add</i>	11.36	
26 05 33 13-0401	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	495.71	37.28
		<i>For Work In Restricted Working Space, Add</i>	27.97	
		<i>For Installation Above 14', Add</i>	13.98	
26 05 33 13-0402	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	567.57	46.61
		<i>For Work In Restricted Working Space, Add</i>	34.96	
		<i>For Installation Above 14', Add</i>	17.48	
26 05 33 13-0403	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	857.97	55.93
		<i>For Work In Restricted Working Space, Add</i>	41.95	
		<i>For Installation Above 14', Add</i>	20.97	
26 05 33 13-0404	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	928.86	60.59
		<i>For Work In Restricted Working Space, Add</i>	45.44	
		<i>For Installation Above 14', Add</i>	22.72	
26 05 33 13-0405	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,288.38	74.57
		<i>For Work In Restricted Working Space, Add</i>	55.93	
		<i>For Installation Above 14', Add</i>	27.96	
26 05 33 13-0406	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,584.02	82.73
		<i>For Work In Restricted Working Space, Add</i>	62.08	
		<i>For Installation Above 14', Add</i>	31.04	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0407			Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0059)</small>		
			Note: Type EX		
26 05 33 13-0408	EA		1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	116.36	18.64
			<i>For Work In Restricted Working Space, Add</i>	13.99	
			<i>For Installation Above 14', Add</i>	6.99	
26 05 33 13-0409	EA		3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	144.64	20.98
			<i>For Work In Restricted Working Space, Add</i>	15.73	
			<i>For Installation Above 14', Add</i>	7.86	
26 05 33 13-0410	EA		1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	177.62	23.31
			<i>For Work In Restricted Working Space, Add</i>	17.48	
			<i>For Installation Above 14', Add</i>	8.74	
26 05 33 13-0411	EA		1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	213.72	25.63
			<i>For Work In Restricted Working Space, Add</i>	19.23	
			<i>For Installation Above 14', Add</i>	9.61	
26 05 33 13-0412	EA		1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	282.38	27.97
			<i>For Work In Restricted Working Space, Add</i>	20.97	
			<i>For Installation Above 14', Add</i>	10.49	
26 05 33 13-0413	EA		2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	382.11	30.29
			<i>For Work In Restricted Working Space, Add</i>	22.72	
			<i>For Installation Above 14', Add</i>	11.36	
26 05 33 13-0414	EA		2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	585.51	37.28
			<i>For Work In Restricted Working Space, Add</i>	27.97	
			<i>For Installation Above 14', Add</i>	13.98	
26 05 33 13-0415	EA		3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	786.21	46.61
			<i>For Work In Restricted Working Space, Add</i>	34.96	
			<i>For Installation Above 14', Add</i>	17.48	
26 05 33 13-0416	EA		3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,168.95	55.93
			<i>For Work In Restricted Working Space, Add</i>	41.95	
			<i>For Installation Above 14', Add</i>	20.97	
26 05 33 13-0417	EA		4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,212.12	60.59
			<i>For Work In Restricted Working Space, Add</i>	45.44	
			<i>For Installation Above 14', Add</i>	22.72	
26 05 33 13-0418	EA		5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,810.51	74.57
			<i>For Work In Restricted Working Space, Add</i>	55.93	
			<i>For Installation Above 14', Add</i>	27.96	
26 05 33 13-0419	EA		6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,236.52	82.73
			<i>For Work In Restricted Working Space, Add</i>	62.08	
			<i>For Installation Above 14', Add</i>	31.04	
26 05 33 13-0420			Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings <small>(26 05 33 13-0059)</small>		
			Note: Type DX		
26 05 33 13-0421	EA		1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	190.90	18.64
			<i>For Work In Restricted Working Space, Add</i>	13.99	
			<i>For Installation Above 14', Add</i>	6.99	
26 05 33 13-0422	EA		3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	226.37	20.98
			<i>For Work In Restricted Working Space, Add</i>	15.73	
			<i>For Installation Above 14', Add</i>	7.86	
26 05 33 13-0423	EA		1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	271.95	23.31
			<i>For Work In Restricted Working Space, Add</i>	17.48	
			<i>For Installation Above 14', Add</i>	8.74	
26 05 33 13-0424	EA		1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	318.23	25.63
			<i>For Work In Restricted Working Space, Add</i>	19.23	
			<i>For Installation Above 14', Add</i>	9.61	
26 05 33 13-0425	EA		1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	351.59	27.97
			<i>For Work In Restricted Working Space, Add</i>	20.97	
			<i>For Installation Above 14', Add</i>	10.49	
26 05 33 13-0426	EA		2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	430.99	30.29
			<i>For Work In Restricted Working Space, Add</i>	22.72	
			<i>For Installation Above 14', Add</i>	11.36	
26 05 33 13-0427	EA		2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	567.36	37.28
			<i>For Work In Restricted Working Space, Add</i>	27.97	
			<i>For Installation Above 14', Add</i>	13.98	
26 05 33 13-0428	EA		3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	718.96	46.61
			<i>For Work In Restricted Working Space, Add</i>	34.96	
			<i>For Installation Above 14', Add</i>	17.48	
26 05 33 13-0429	EA		3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	811.86	55.93
			<i>For Work In Restricted Working Space, Add</i>	41.95	
			<i>For Installation Above 14', Add</i>	20.97	
26 05 33 13-0430	EA		4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	978.47	60.59
			<i>For Work In Restricted Working Space, Add</i>	45.44	
			<i>For Installation Above 14', Add</i>	22.72	
26 05 33 13-0431	EA		5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	1,649.40	74.57
			<i>For Work In Restricted Working Space, Add</i>	55.93	
			<i>For Installation Above 14', Add</i>	27.96	
26 05 33 13-0432	EA		6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	2,592.83	82.73
			<i>For Work In Restricted Working Space, Add</i>	62.08	
			<i>For Installation Above 14', Add</i>	31.04	
26 05 33 13-0433			Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers <small>(26 05 33 13-0059)</small>		
26 05 33 13-0434	EA		1/2" To 3/4" Conduit, 14" Bonding Jumper.....	53.06	9.33
			<i>For Work In Restricted Working Space, Add</i>	6.99	
			<i>For Installation Above 14', Add</i>	3.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0435	EA		1" To 1-1/4" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	61.88 8.74 4.37	11.65
26 05 33 13-0436	EA		1-1/2" To 2" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	75.98 10.49 5.24	13.98
26 05 33 13-0437	EA		2-1/2" To 3" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	105.88 13.98 6.99	18.64
26 05 33 13-0438	EA		3-1/2" To 4" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	160.19 20.98 10.49	27.97
26 05 33 13-0439	EA		5" To 6" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	264.72 27.97 13.98	37.28
26 05 33 13-0440	EA		1/2" To 3/4" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	58.15 6.99 3.50	9.33
26 05 33 13-0441	EA		1" To 1-1/4" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	68.32 8.74 4.37	11.65
26 05 33 13-0442	EA		1-1/2" To 2" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	81.87 10.49 5.24	13.98
26 05 33 13-0443	EA		2-1/2" To 3" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	113.71 13.98 6.99	18.64
26 05 33 13-0444	EA		3-1/2" To 4" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	170.57 20.98 10.49	27.97
26 05 33 13-0445	EA		5" To 6" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	298.21 27.97 13.98	37.28
26 05 33 13-0446 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0059)					
26 05 33 13-0447	EA		1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.10 17.48 8.74 17.48	29.13
26 05 33 13-0448	EA		3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.27 20.98 10.49 20.98	34.96
26 05 33 13-0449	EA		1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.58 24.47 12.24 24.47	40.78
26 05 33 13-0450	EA		1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.59 27.97 13.98 27.97	46.61
26 05 33 13-0451	EA		1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.19 31.46 15.73 31.46	52.44
26 05 33 13-0452	EA		2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	208.92 34.96 17.48 34.96	58.26
26 05 33 13-0453	EA		2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	283.39 41.95 20.97 41.95	69.92
26 05 33 13-0454	EA		3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	338.50 48.94 24.47 48.94	81.57
26 05 33 13-0455	EA		3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	692.21 55.93 27.96 55.93	93.22
26 05 33 13-0456	EA		4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	795.11 62.92 31.46 62.92	104.87
26 05 33 13-0457 Rigid Galvanized Steel (RGS) Threaded Couplings (26 05 33 13-0059)					
26 05 33 13-0458	EA		1/2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.00 4.19 2.10	6.99
26 05 33 13-0459	EA		3/4" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.08 5.94 2.97	9.91
26 05 33 13-0460	EA		1" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	27.57 7.69 3.84	12.82

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0461	EA		1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	31.58	14.56
			<i>For Work In Restricted Working Space, Add</i>	8.74	
			<i>For Installation Above 14', Add</i>	4.37	
26 05 33 13-0462	EA		1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	38.02	17.48
			<i>For Work In Restricted Working Space, Add</i>	10.49	
			<i>For Installation Above 14', Add</i>	5.24	
26 05 33 13-0463	EA		2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	44.19	19.81
			<i>For Work In Restricted Working Space, Add</i>	11.89	
			<i>For Installation Above 14', Add</i>	5.94	
26 05 33 13-0464	EA		2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	54.52	22.14
			<i>For Work In Restricted Working Space, Add</i>	13.28	
			<i>For Installation Above 14', Add</i>	6.64	
26 05 33 13-0465	EA		3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	63.43	25.05
			<i>For Work In Restricted Working Space, Add</i>	15.03	
			<i>For Installation Above 14', Add</i>	7.52	
26 05 33 13-0466	EA		3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	72.77	27.39
			<i>For Work In Restricted Working Space, Add</i>	16.43	
			<i>For Installation Above 14', Add</i>	8.21	
26 05 33 13-0467	EA		4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	77.02	29.13
			<i>For Work In Restricted Working Space, Add</i>	17.48	
			<i>For Installation Above 14', Add</i>	8.74	
26 05 33 13-0468			Rigid Galvanized Steel (RGS) Sealing Locknut <small>(26 05 33 13-0059)</small>		
26 05 33 13-0469	EA		1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.23	1.16
26 05 33 13-0470	EA		3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	4.53	1.74
26 05 33 13-0471	EA		1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	7.54	2.91
26 05 33 13-0472	EA		1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	10.82	4.08
26 05 33 13-0473	EA		1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	12.85	4.66
26 05 33 13-0474	EA		2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	14.97	5.24
26 05 33 13-0475			Rigid Galvanized Steel (RGS) Fire Stop Fittings <small>(26 05 33 13-0059)</small>		
26 05 33 13-0476	EA		1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	138.31	14.14
			<i>For Work In Restricted Working Space, Add</i>	10.61	
			<i>For Installation Above 14', Add</i>	5.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.61	
26 05 33 13-0477	EA		3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	141.72	15.50
			<i>For Work In Restricted Working Space, Add</i>	11.63	
			<i>For Installation Above 14', Add</i>	5.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 05 33 13-0478	EA		1" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	168.46	17.01
			<i>For Work In Restricted Working Space, Add</i>	12.74	
			<i>For Installation Above 14', Add</i>	6.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.74	
26 05 33 13-0479	EA		1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	184.96	18.64
			<i>For Work In Restricted Working Space, Add</i>	14.00	
			<i>For Installation Above 14', Add</i>	7.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.00	
26 05 33 13-0480	EA		1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	210.73	20.98
			<i>For Work In Restricted Working Space, Add</i>	15.73	
			<i>For Installation Above 14', Add</i>	7.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.73	
26 05 33 13-0481	EA		2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	304.17	23.31
			<i>For Work In Restricted Working Space, Add</i>	17.49	
			<i>For Installation Above 14', Add</i>	8.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.49	
26 05 33 13-0482	EA		2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	354.34	31.11
			<i>For Work In Restricted Working Space, Add</i>	23.32	
			<i>For Installation Above 14', Add</i>	11.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.32	
26 05 33 13-0483	EA		3" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	392.76	34.14
			<i>For Work In Restricted Working Space, Add</i>	25.62	
			<i>For Installation Above 14', Add</i>	12.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.62	
26 05 33 13-0484	EA		3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	454.38	37.28
			<i>For Work In Restricted Working Space, Add</i>	27.97	
			<i>For Installation Above 14', Add</i>	13.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97	
26 05 33 13-0485	EA		4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	512.11	41.95
			<i>For Work In Restricted Working Space, Add</i>	31.46	
			<i>For Installation Above 14', Add</i>	15.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.46	
26 05 33 13-0486	EA		5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	677.44	46.61
			<i>For Work In Restricted Working Space, Add</i>	34.96	
			<i>For Installation Above 14', Add</i>	17.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.96	
26 05 33 13-0487	EA		6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	836.25	51.74
			<i>For Work In Restricted Working Space, Add</i>	38.80	
			<i>For Installation Above 14', Add</i>	19.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.80	
26 05 33 13-0488			Rigid Galvanized Steel (RGS) Reducing Bushings <small>(26 05 33 13-0059)</small>		
26 05 33 13-0489	EA		3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	18.76	9.04
			<i>For Work In Restricted Working Space, Add</i>	5.42	
			<i>For Installation Above 14', Add</i>	2.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0490 EA 1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.49 5.77 2.88 5.77	9.62
26 05 33 13-0491 EA 1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.08 5.94 2.97 5.94	9.91
26 05 33 13-0492 EA 1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.69 6.12 3.06 6.12	10.20
26 05 33 13-0493 EA 1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.28 6.29 3.15 6.29	10.49
26 05 33 13-0494 EA 1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.44 6.64 3.32 6.64	11.07
26 05 33 13-0495 EA 1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.31 6.99 3.50 6.99	11.65
26 05 33 13-0496 EA 1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.89 7.17 3.58 7.17	11.94
26 05 33 13-0497 EA 1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.05 7.52 3.76 7.52	12.52
26 05 33 13-0498 EA 1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.21 7.86 3.93 7.86	13.11
26 05 33 13-0499 EA 2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.00 7.86 3.93 7.86	13.11
26 05 33 13-0500 EA 2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.58 8.04 4.02 8.04	13.40
26 05 33 13-0501 EA 2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.76 8.39 4.20 8.39	13.98
26 05 33 13-0502 EA 2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.92 8.74 4.37 8.74	14.56
26 05 33 13-0503 EA 2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.83 9.61 4.81 9.61	16.02
26 05 33 13-0504 EA 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.89 11.36 5.68 11.36	18.93
26 05 33 13-0505 Rigid Galvanized Steel (RGS) Locknuts (26 05 33 13-0059)		
26 05 33 13-0506 EA 1/2" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2.39 0.70 0.35	1.16
26 05 33 13-0507 EA 3/4" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.59 1.05 0.53	1.74
26 05 33 13-0508 EA 1" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.98 1.75 0.87	2.91
26 05 33 13-0509 EA 1-1/4" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.39 2.45 1.22	4.08
26 05 33 13-0510 EA 1-1/2" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.65 2.80 1.40	4.66
26 05 33 13-0511 EA 2" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.88 3.15 1.57	5.24
26 05 33 13-0512 EA 2-1/2" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.02 4.19 2.10	6.99
26 05 33 13-0513 EA 3" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.63 5.24 2.62	8.73
26 05 33 13-0514 EA 3-1/2" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.72 5.94 2.97	9.91

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0515	EA		4" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	24.34 6.64 3.32	11.07
26 05 33 13-0516			Rigid Galvanized Steel (RGS) Grounding Locknuts (26 05 33 13-0059)		
26 05 33 13-0517	EA		1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.28 0.70 0.35	1.16
26 05 33 13-0518	EA		3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.64 1.05 0.53	1.74
26 05 33 13-0519	EA		1" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.47 1.75 0.87	2.91
26 05 33 13-0520	EA		1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.43 2.45 1.22	4.08
26 05 33 13-0521	EA		1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	11.82 2.80 1.40	4.66
26 05 33 13-0522	EA		2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	13.74 3.15 1.57	5.24
26 05 33 13-0523	EA		2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.02 4.19 2.10	6.99
26 05 33 13-0524	EA		3" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	25.15 5.24 2.62	8.73
26 05 33 13-0525	EA		3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	32.26 5.94 2.97	9.91
26 05 33 13-0526	EA		4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	38.19 6.64 3.32	11.07
26 05 33 13-0527			Rigid Galvanized Steel (RGS) Insulated Ground Bushing (26 05 33 13-0059)		
26 05 33 13-0528	EA		1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.37 2.10 1.05	3.50
26 05 33 13-0529	EA		3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	11.91 2.80 1.40	4.66
26 05 33 13-0530	EA		1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.13 3.50 1.75	5.83
26 05 33 13-0531	EA		1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	22.53 5.59 2.80	9.33
26 05 33 13-0532	EA		1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	25.38 6.29 3.15	10.49
26 05 33 13-0533	EA		2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	28.70 6.99 3.50	11.65
26 05 33 13-0534	EA		2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	38.39 8.39 4.20	13.98
26 05 33 13-0535	EA		3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	46.90 10.49 5.24	17.48
26 05 33 13-0536	EA		3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	58.94 13.98 6.99	23.31
26 05 33 13-0537	EA		4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	72.20 17.48 8.74	29.13
26 05 33 13-0538			Rigid Galvanized Steel (RGS) Threadless Compression Connectors (26 05 33 13-0059)		
26 05 33 13-0539	EA		1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	22.65 6.29 3.15	10.49
26 05 33 13-0540	EA		3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	26.00 6.99 3.50	11.65
26 05 33 13-0541	EA		1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	33.33 8.74 4.37	14.56
26 05 33 13-0542	EA		1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	42.87 10.49 5.24	17.48
26 05 33 13-0543	EA		1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	57.56 13.98 6.99	23.31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0544 EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	79.27 17.48 8.74	29.13
26 05 33 13-0545 EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	118.39 20.98 10.49	34.96
26 05 33 13-0546 EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	145.83 24.47 12.24	40.78
26 05 33 13-0547 EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	183.03 29.72 14.86	49.52
26 05 33 13-0548 EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	219.33 34.96 17.48	58.26
26 05 33 13-0549 Rigid Galvanized Steel (RGS) Compression Coupling <small>(26 05 33 13-0059)</small>		
26 05 33 13-0550 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	31.83 8.74 4.37	14.56
26 05 33 13-0551 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	39.28 10.49 5.24	17.48
26 05 33 13-0552 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	54.15 13.98 6.99	23.31
26 05 33 13-0553 EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	69.42 17.48 8.74	29.13
26 05 33 13-0554 EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	84.45 20.98 10.49	34.96
26 05 33 13-0555 EA 2" Rigid Galvanized Steel (RGS) Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	113.35 24.47 12.24	40.78
26 05 33 13-0556 EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	160.16 27.97 13.98	46.61
26 05 33 13-0557 EA 3" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	169.07 24.12 12.06	40.20
26 05 33 13-0558 EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	239.08 36.70 18.35	61.17
26 05 33 13-0559 EA 4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	289.20 41.95 20.97	69.92
26 05 33 13-0560 Zinc Plated Steel Snap-in Knock Out Seal <small>(26 05 33 13-0059)</small>		
26 05 33 13-0561 EA 1/2" Zinc Plated Steel Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.03 1.75 0.87	2.91
26 05 33 13-0562 EA 3/4" Zinc Plated Steel Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.25 2.10 1.05	3.50
26 05 33 13-0563 EA 1" Zinc Plated Steel Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.57 2.45 1.22	4.08
26 05 33 13-0564 EA 1-1/4" Zinc Plated Steel Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	11.04 3.15 1.57	5.24
26 05 33 13-0565 EA 1-1/2" Zinc Plated Steel Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.42 3.50 1.75	5.83
26 05 33 13-0566 EA 2" Zinc Plated Steel Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.06 4.19 2.10	6.99
26 05 33 13-0567 Zinc Plated Steel 3-Piece Knock Out Seal <small>(26 05 33 13-0059)</small>		
26 05 33 13-0568 EA 1/2" Zinc Plated Steel 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.04 1.75 0.87	2.91
26 05 33 13-0569 EA 3/4" Zinc Plated Steel 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.39 2.10 1.05	3.50
26 05 33 13-0570 EA 1" Zinc Plated Steel 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.09 2.45 1.22	4.08
26 05 33 13-0571 EA 1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.99 3.15 1.57	5.24
26 05 33 13-0572 EA 1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.64 3.50 1.75	5.83

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0573	EA 2" Zinc Plated Steel 3-Piece Knock Out Seal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.89 4.19 2.10	6.99
26 05 33 13-0574	EA 2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	23.25 5.24 2.62	8.73
26 05 33 13-0575	EA 3" Zinc Plated Steel 3-Piece Knock Out Seal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	27.02 5.94 2.97	9.91
26 05 33 13-0576	EA 3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	32.29 6.64 3.32	11.07
26 05 33 13-0577	EA 4" Zinc Plated Steel 3-Piece Knock Out Seal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	37.50 7.34 3.67	12.23
26 05 33 13-0578	Rigid Galvanized Steel (RGS) Chase Nipples <small>(26 05 33 13-0059)</small>		
26 05 33 13-0579	EA 1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.29 4.19 2.10 4.19	6.99
26 05 33 13-0580	EA 3/4" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.84 4.90 2.45 4.90	8.15
26 05 33 13-0581	EA 1" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.94 5.94 2.97 5.94	9.91
26 05 33 13-0582	EA 1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.27 6.99 3.50 6.99	11.65
26 05 33 13-0583	EA 1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.65 8.74 4.37 8.74	14.56
26 05 33 13-0584	EA 2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.05 10.49 5.24 10.49	17.48
26 05 33 13-0585	EA 2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.56 12.23 6.12 12.23	20.39
26 05 33 13-0586	EA 3" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.59 13.98 6.99 13.98	23.31
26 05 33 13-0587	EA 3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.54 15.73 7.87 15.73	26.21
26 05 33 13-0588	EA 4" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.82 17.48 8.74 17.48	29.13
26 05 33 13-0589	Rigid Galvanized Steel (RGS) Pulling Elbow <small>(26 05 33 13-0059)</small>		
26 05 33 13-0590	EA 1/2" Rigid Galvanized Steel (RGS) Pulling Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	26.34 6.29 3.15	10.49
26 05 33 13-0591	EA 3/4" Rigid Galvanized Steel (RGS) Pulling Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	30.63 7.34 3.67	12.23
26 05 33 13-0592	EA 1" Rigid Galvanized Steel (RGS) Pulling Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	38.19 8.39 4.20	13.98
26 05 33 13-0593	EA 1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	48.72 10.49 5.24	17.48
26 05 33 13-0594	EA 1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	63.79 12.59 6.29	20.98
26 05 33 13-0595	EA 2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	83.51 14.68 7.34	24.47
26 05 33 13-0596	EA 2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	113.00 16.78 8.39	27.97
26 05 33 13-0597	EA 3" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	190.83 20.98 10.49	34.96
26 05 33 13-0598	Electrical Metallic Tubing (EMT) Thinwall Conduit <small>(26 05 33 13-0058)</small>		

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

26 05 33 13-0599	Electrical Metallic Tubing (EMT) Thinwall Conduit <small>(26 05 33 13-0599)</small> Note: Includes field bending conduit up to and including 1".		
26 05 33 13-0600	LF 1/2" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Factory Applied Color Coating, Add</i>	5.70 -0.02 -0.30 -0.44 0.52 1.31 0.79 1.57 0.79 0.14	2.09
26 05 33 13-0601	LF 3/4" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Factory Applied Color Coating, Add</i>	6.54 -0.04 -0.34 -0.51 0.58 1.46 0.87 1.75 0.87 0.21	2.33
26 05 33 13-0602	LF 1" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Factory Applied Color Coating, Add</i>	7.60 -0.06 -0.41 -0.60 0.64 1.60 0.96 1.92 0.96 0.36	2.56
26 05 33 13-0603	LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Factory Applied Color Coating, Add</i>	9.10 -0.09 -0.50 -0.73 0.72 1.81 1.08 2.17 1.08 0.56	2.88
26 05 33 13-0604	LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Factory Applied Color Coating, Add</i>	10.49 -0.12 -0.58 -0.85 0.82 2.04 1.22 2.45 1.22 0.70	3.27
26 05 33 13-0605	LF 2" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Factory Applied Color Coating, Add</i>	12.10 -0.14 -0.67 -0.98 0.93 2.33 1.40 2.80 1.40 0.83	3.73
26 05 33 13-0606	LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Factory Applied Color Coating, Add</i>	15.18 -0.21 -0.86 -1.24 1.11 2.77 1.66 3.32 1.66 1.23	4.43
26 05 33 13-0607	LF 3" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Factory Applied Color Coating, Add</i>	17.96 -0.26 -1.03 -1.48 1.28 3.21 1.92 3.85 1.92 1.54	5.13

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0608	LF		3-1/2" Electrical Metallic Tubing (EMT) Conduit.....	22.02	6.06
			<i>For >250 To 500, Deduct</i>	-0.34	
			<i>For >500 To 1,000, Deduct</i>	-1.27	
			<i>For >1,000, Deduct</i>	-1.82	
			<i>For Installation In Metal Stud Wall, Add</i>	1.52	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.79	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.27	
			<i>For Work In Restricted Working Space, Add</i>	4.55	
			<i>For Installation Above 14', Add</i>	2.27	
			<i>For Factory Applied Color Coating, Add</i>	2.06	
26 05 33 13-0609	LF		4" Electrical Metallic Tubing (EMT) Conduit.....	28.30	8.50
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500 To 1,000, Deduct</i>	-1.59	
			<i>For >1,000, Deduct</i>	-2.30	
			<i>For Installation In Metal Stud Wall, Add</i>	2.13	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	5.32	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.19	
			<i>For Work In Restricted Working Space, Add</i>	6.38	
			<i>For Installation Above 14', Add</i>	3.19	
			<i>For Factory Applied Color Coating, Add</i>	2.11	
26 05 33 13-0610			Electrical Metallic Tubing (EMT) 90 Degree Elbows <small>(26 05 33 13-0598)</small>		
			See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0611	EA		1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	14.22	5.13
			<i>For Work In Restricted Working Space, Add</i>	3.85	
			<i>For Installation Above 14', Add</i>	1.92	
26 05 33 13-0612	EA		3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	15.22	5.59
			<i>For Work In Restricted Working Space, Add</i>	4.19	
			<i>For Installation Above 14', Add</i>	2.10	
26 05 33 13-0613	EA		1" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	18.27	6.52
			<i>For Work In Restricted Working Space, Add</i>	4.90	
			<i>For Installation Above 14', Add</i>	2.45	
26 05 33 13-0614	EA		1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	19.91	6.99
			<i>For Work In Restricted Working Space, Add</i>	5.24	
			<i>For Installation Above 14', Add</i>	2.62	
26 05 33 13-0615	EA		1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	23.71	8.39
			<i>For Work In Restricted Working Space, Add</i>	6.29	
			<i>For Installation Above 14', Add</i>	3.15	
26 05 33 13-0616	EA		2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	30.84	10.72
			<i>For Work In Restricted Working Space, Add</i>	8.04	
			<i>For Installation Above 14', Add</i>	4.02	
26 05 33 13-0617	EA		2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	39.21	12.12
			<i>For Work In Restricted Working Space, Add</i>	9.09	
			<i>For Installation Above 14', Add</i>	4.54	
26 05 33 13-0618	EA		3" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	48.20	13.51
			<i>For Work In Restricted Working Space, Add</i>	10.14	
			<i>For Installation Above 14', Add</i>	5.07	
26 05 33 13-0619	EA		3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	54.32	14.91
			<i>For Work In Restricted Working Space, Add</i>	11.18	
			<i>For Installation Above 14', Add</i>	5.59	
26 05 33 13-0620	EA		4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	116.12	37.19
			<i>For Work In Restricted Working Space, Add</i>	27.89	
			<i>For Installation Above 14', Add</i>	13.95	
26 05 33 13-0621			Electrical Metallic Tubing (EMT) 45 Degree Elbows <small>(26 05 33 13-0598)</small>		
			See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0622	EA		1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	14.07	5.13
			<i>For Work In Restricted Working Space, Add</i>	3.85	
			<i>For Installation Above 14', Add</i>	1.92	
26 05 33 13-0623	EA		3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	15.31	5.59
			<i>For Work In Restricted Working Space, Add</i>	4.19	
			<i>For Installation Above 14', Add</i>	2.10	
26 05 33 13-0624	EA		1" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	18.47	6.52
			<i>For Work In Restricted Working Space, Add</i>	4.90	
			<i>For Installation Above 14', Add</i>	2.45	
26 05 33 13-0625	EA		1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	20.28	6.99
			<i>For Work In Restricted Working Space, Add</i>	5.24	
			<i>For Installation Above 14', Add</i>	2.62	
26 05 33 13-0626	EA		1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	24.18	8.39
			<i>For Work In Restricted Working Space, Add</i>	6.29	
			<i>For Installation Above 14', Add</i>	3.15	
26 05 33 13-0627	EA		2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	30.69	10.72
			<i>For Work In Restricted Working Space, Add</i>	8.04	
			<i>For Installation Above 14', Add</i>	4.02	
26 05 33 13-0628	EA		2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	40.57	12.12
			<i>For Work In Restricted Working Space, Add</i>	9.09	
			<i>For Installation Above 14', Add</i>	4.54	
26 05 33 13-0629	EA		3" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	49.29	13.51
			<i>For Work In Restricted Working Space, Add</i>	10.14	
			<i>For Installation Above 14', Add</i>	5.07	
26 05 33 13-0630	EA		3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	57.26	14.91
			<i>For Work In Restricted Working Space, Add</i>	11.18	
			<i>For Installation Above 14', Add</i>	5.59	
26 05 33 13-0631	EA		4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	114.06	37.19
			<i>For Work In Restricted Working Space, Add</i>	27.89	
			<i>For Installation Above 14', Add</i>	13.95	

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI		UNIT COST	UNIT COST

26 05 33 13-0632 Electrical Metallic Tubing (EMT) Set Screw Couplings <small>(26 05 33 13-0598)</small>				
26 05 33 13-0633	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	5.99	2.79
		<i>For Work In Restricted Working Space, Add</i>	1.75	
		<i>For Installation Above 14', Add</i>	0.87	
26 05 33 13-0634	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	7.23	2.79
		<i>For Work In Restricted Working Space, Add</i>	2.10	
		<i>For Installation Above 14', Add</i>	1.05	
26 05 33 13-0635	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	8.51	3.27
		<i>For Work In Restricted Working Space, Add</i>	2.45	
		<i>For Installation Above 14', Add</i>	1.22	
26 05 33 13-0636	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	11.28	4.20
		<i>For Work In Restricted Working Space, Add</i>	3.15	
		<i>For Installation Above 14', Add</i>	1.57	
26 05 33 13-0637	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	13.86	5.13
		<i>For Work In Restricted Working Space, Add</i>	3.85	
		<i>For Installation Above 14', Add</i>	1.92	
26 05 33 13-0638	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	18.87	6.99
		<i>For Work In Restricted Working Space, Add</i>	5.24	
		<i>For Installation Above 14', Add</i>	2.62	
26 05 33 13-0639	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	25.74	9.33
		<i>For Work In Restricted Working Space, Add</i>	6.99	
		<i>For Installation Above 14', Add</i>	3.50	
26 05 33 13-0640	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	32.90	10.72
		<i>For Work In Restricted Working Space, Add</i>	8.74	
		<i>For Installation Above 14', Add</i>	4.37	
26 05 33 13-0641	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	37.94	11.65
		<i>For Work In Restricted Working Space, Add</i>	10.49	
		<i>For Installation Above 14', Add</i>	5.24	
26 05 33 13-0642	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	105.07	30.82
		<i>For Work In Restricted Working Space, Add</i>	29.93	
		<i>For Installation Above 14', Add</i>	14.96	

26 05 33 13-0643 Electrical Metallic Tubing (EMT) Compression Couplings <small>(26 05 33 13-0598)</small>				
26 05 33 13-0644	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling.....	7.39	2.79
		<i>For Work In Restricted Working Space, Add</i>	2.10	
		<i>For Installation Above 14', Add</i>	1.05	
26 05 33 13-0645	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	8.59	3.27
		<i>For Work In Restricted Working Space, Add</i>	2.45	
		<i>For Installation Above 14', Add</i>	1.22	
26 05 33 13-0646	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling.....	12.26	4.66
		<i>For Work In Restricted Working Space, Add</i>	3.50	
		<i>For Installation Above 14', Add</i>	1.75	
26 05 33 13-0647	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	15.25	5.59
		<i>For Work In Restricted Working Space, Add</i>	4.19	
		<i>For Installation Above 14', Add</i>	2.10	
26 05 33 13-0648	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	18.11	6.52
		<i>For Work In Restricted Working Space, Add</i>	4.90	
		<i>For Installation Above 14', Add</i>	2.45	
26 05 33 13-0649	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling.....	23.80	8.39
		<i>For Work In Restricted Working Space, Add</i>	6.29	
		<i>For Installation Above 14', Add</i>	3.15	
26 05 33 13-0650	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	35.33	11.19
		<i>For Work In Restricted Working Space, Add</i>	8.39	
		<i>For Installation Above 14', Add</i>	4.20	
26 05 33 13-0651	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling.....	40.99	13.05
		<i>For Work In Restricted Working Space, Add</i>	9.79	
		<i>For Installation Above 14', Add</i>	4.89	
26 05 33 13-0652	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	51.25	16.32
		<i>For Work In Restricted Working Space, Add</i>	12.23	
		<i>For Installation Above 14', Add</i>	6.12	
26 05 33 13-0653	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling.....	65.79	20.98
		<i>For Work In Restricted Working Space, Add</i>	15.73	
		<i>For Installation Above 14', Add</i>	7.87	

26 05 33 13-0654 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw <small>(26 05 33 13-0598)</small>				
26 05 33 13-0655	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	5.96	2.33
		<i>For Work In Restricted Working Space, Add</i>	1.75	
		<i>For Installation Above 14', Add</i>	0.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.75	
26 05 33 13-0656	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	7.20	2.79
		<i>For Work In Restricted Working Space, Add</i>	2.10	
		<i>For Installation Above 14', Add</i>	1.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10	
26 05 33 13-0657	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	8.51	3.27
		<i>For Work In Restricted Working Space, Add</i>	2.45	
		<i>For Installation Above 14', Add</i>	1.22	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 05 33 13-0658	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	12.31	4.66
		<i>For Work In Restricted Working Space, Add</i>	3.50	
		<i>For Installation Above 14', Add</i>	1.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33 13-0659	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	14.94	5.59
		<i>For Work In Restricted Working Space, Add</i>	4.19	
		<i>For Installation Above 14', Add</i>	2.10	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.19	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0660	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	18.91	6.99
		<i>For Work In Restricted Working Space, Add</i>	5.24	
		<i>For Installation Above 14', Add</i>	2.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33 13-0661	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	27.29	9.33
		<i>For Work In Restricted Working Space, Add</i>	6.99	
		<i>For Installation Above 14', Add</i>	3.50	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	
26 05 33 13-0662	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	33.99	11.65
		<i>For Work In Restricted Working Space, Add</i>	8.74	
		<i>For Installation Above 14', Add</i>	4.37	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33 13-0663	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	40.42	13.98
		<i>For Work In Restricted Working Space, Add</i>	10.49	
		<i>For Installation Above 14', Add</i>	5.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.49	
26 05 33 13-0664	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	47.11	16.32
		<i>For Work In Restricted Working Space, Add</i>	12.23	
		<i>For Installation Above 14', Add</i>	6.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.23	

26 05 33 13-0665 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw

(26 05 33 13-0598)

26 05 33 13-0666	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	8.01	3.15
		<i>For Work In Restricted Working Space, Add</i>	2.34	
		<i>For Installation Above 14', Add</i>	1.17	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.34	
26 05 33 13-0667	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	8.84	3.38
		<i>For Work In Restricted Working Space, Add</i>	2.55	
		<i>For Installation Above 14', Add</i>	1.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.55	
26 05 33 13-0668	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	10.97	4.20
		<i>For Work In Restricted Working Space, Add</i>	3.11	
		<i>For Installation Above 14', Add</i>	1.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.11	
26 05 33 13-0669	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	14.29	5.36
		<i>For Work In Restricted Working Space, Add</i>	3.98	
		<i>For Installation Above 14', Add</i>	1.99	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.98	
26 05 33 13-0670	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	16.84	6.18
		<i>For Work In Restricted Working Space, Add</i>	4.65	
		<i>For Installation Above 14', Add</i>	2.33	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.65	
26 05 33 13-0671	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	20.48	7.45
		<i>For Work In Restricted Working Space, Add</i>	5.59	
		<i>For Installation Above 14', Add</i>	2.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.59	
26 05 33 13-0672	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	31.88	10.37
		<i>For Work In Restricted Working Space, Add</i>	7.76	
		<i>For Installation Above 14', Add</i>	3.88	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
26 05 33 13-0673	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	41.69	13.75
		<i>For Work In Restricted Working Space, Add</i>	10.35	
		<i>For Installation Above 14', Add</i>	5.17	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.35	
26 05 33 13-0674	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	53.39	17.71
		<i>For Work In Restricted Working Space, Add</i>	13.32	
		<i>For Installation Above 14', Add</i>	6.66	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.32	
26 05 33 13-0675	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	68.17	23.31
		<i>For Work In Restricted Working Space, Add</i>	17.48	
		<i>For Installation Above 14', Add</i>	8.74	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.48	

26 05 33 13-0676 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors

(26 05 33 13-0598)

26 05 33 13-0677	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	7.20	2.79
		<i>For Work In Restricted Working Space, Add</i>	2.10	
		<i>For Installation Above 14', Add</i>	1.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10	
26 05 33 13-0678	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	8.46	3.27
		<i>For Work In Restricted Working Space, Add</i>	2.45	
		<i>For Installation Above 14', Add</i>	1.22	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 05 33 13-0679	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	12.09	4.66
		<i>For Work In Restricted Working Space, Add</i>	3.50	
		<i>For Installation Above 14', Add</i>	1.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33 13-0680	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	14.82	5.59
		<i>For Work In Restricted Working Space, Add</i>	4.19	
		<i>For Installation Above 14', Add</i>	2.10	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.19	
26 05 33 13-0681	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	17.50	6.52
		<i>For Work In Restricted Working Space, Add</i>	4.90	
		<i>For Installation Above 14', Add</i>	2.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.90	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0682 EA 2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	22.69	8.39
For Work In Restricted Working Space, Add	6.29	
For Installation Above 14', Add	3.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.29	
26 05 33 13-0683 EA 2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	33.12	11.19
For Work In Restricted Working Space, Add	8.39	
For Installation Above 14', Add	4.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	
26 05 33 13-0684 EA 3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	41.69	13.98
For Work In Restricted Working Space, Add	10.49	
For Installation Above 14', Add	5.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.49	
26 05 33 13-0685 EA 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	51.16	16.32
For Work In Restricted Working Space, Add	12.23	
For Installation Above 14', Add	6.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.23	
26 05 33 13-0686 EA 4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	57.86	18.64
For Work In Restricted Working Space, Add	13.98	
For Installation Above 14', Add	6.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.98	
26 05 33 13-0687 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors <small>(26 05 33 13-0598)</small>		
26 05 33 13-0688 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	8.15	3.15
For Work In Restricted Working Space, Add	2.34	
For Installation Above 14', Add	1.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.34	
26 05 33 13-0689 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	8.99	3.38
For Work In Restricted Working Space, Add	2.55	
For Installation Above 14', Add	1.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.55	
26 05 33 13-0690 EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	11.10	4.20
For Work In Restricted Working Space, Add	3.11	
For Installation Above 14', Add	1.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11	
26 05 33 13-0691 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	14.64	5.36
For Work In Restricted Working Space, Add	3.98	
For Installation Above 14', Add	1.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.98	
26 05 33 13-0692 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	17.43	6.18
For Work In Restricted Working Space, Add	4.65	
For Installation Above 14', Add	2.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.65	
26 05 33 13-0693 EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	21.33	7.45
For Work In Restricted Working Space, Add	5.59	
For Installation Above 14', Add	2.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.59	
26 05 33 13-0694 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	34.99	10.37
For Work In Restricted Working Space, Add	7.76	
For Installation Above 14', Add	3.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.76	
26 05 33 13-0695 EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	46.91	13.75
For Work In Restricted Working Space, Add	10.35	
For Installation Above 14', Add	5.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.35	
26 05 33 13-0696 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	62.54	17.71
For Work In Restricted Working Space, Add	13.32	
For Installation Above 14', Add	6.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.32	
26 05 33 13-0697 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	79.49	23.31
For Work In Restricted Working Space, Add	17.48	
For Installation Above 14', Add	8.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.48	
26 05 33 13-0698 Electrical Metallic Tubing (EMT) Expansion Coupling <small>(26 05 33 13-0598)</small>		
Note: Excludes jumper.		
26 05 33 13-0699 EA 1/2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	53.18	15.50
For Work In Restricted Working Space, Add	11.63	
For Installation Above 14', Add	5.82	
26 05 33 13-0700 EA 3/4" Electrical Metallic Tubing (EMT) Expansion Coupling.....	64.18	18.76
For Work In Restricted Working Space, Add	14.10	
For Installation Above 14', Add	7.05	
26 05 33 13-0701 EA 1" Electrical Metallic Tubing (EMT) Expansion Coupling.....	79.26	23.54
For Work In Restricted Working Space, Add	17.63	
For Installation Above 14', Add	8.81	
26 05 33 13-0702 EA 1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling.....	101.00	28.90
For Work In Restricted Working Space, Add	21.68	
For Installation Above 14', Add	10.84	
26 05 33 13-0703 EA 1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	123.48	33.91
For Work In Restricted Working Space, Add	25.43	
For Installation Above 14', Add	12.72	
26 05 33 13-0704 EA 2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	153.56	41.25
For Work In Restricted Working Space, Add	30.97	
For Installation Above 14', Add	15.48	
26 05 33 13-0705 EA 2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	267.31	53.02
For Work In Restricted Working Space, Add	39.77	
For Installation Above 14', Add	19.89	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0706	EA 3" Electrical Metallic Tubing (EMT) Expansion Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	324.10 46.51 23.25	61.99
26 05 33 13-0707	EA 3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	389.47 50.70 25.35	67.58
26 05 33 13-0708	EA 4" Electrical Metallic Tubing (EMT) Expansion Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	422.98 55.95 27.97	74.57
26 05 33 13-0709	Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters		
26 05 33 13-0710	EA 1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.22 3.11 1.55 3.11	4.20
26 05 33 13-0711	EA 1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.69 3.11 1.55 3.11	4.20
26 05 33 13-0712	EA 3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.04 3.45 1.73 3.45	4.55
26 05 33 13-0713	EA 1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.05 3.92 1.96 3.92	5.24
26 05 33 13-0714	EA 1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.30 4.75 2.37 4.75	6.29
26 05 33 13-0715	EA 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.30 5.42 2.71 5.42	7.22
26 05 33 13-0716	EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.28 6.78 3.39 6.78	9.09
26 05 33 13-0717	Intermediate Metal Conduit (IMC) <small>(26 05 33 13-0058)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0718	Intermediate Metal Conduit (IMC) Conduit <small>(26 05 33 13-0717)</small> Note: Includes field bending conduit up to 1".		
26 05 33 13-0719	LF 1/2" Intermediate Metal Conduit (IMC) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.05 -0.06 -0.09 -0.12 0.58 1.46 0.87 1.75 0.87	2.33
26 05 33 13-0720	LF 3/4" Intermediate Metal Conduit (IMC) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.87 -0.07 -0.11 -0.15 0.64 1.60 0.96 1.92 0.96	2.56
26 05 33 13-0721	LF 1" Intermediate Metal Conduit (IMC) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.24 -0.11 -0.17 -0.23 0.70 1.75 1.05 2.10 1.05	2.79
26 05 33 13-0722	LF 1-1/4" Intermediate Metal Conduit (IMC) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	11.00 -0.14 -0.21 -0.29 0.82 2.04 1.22 2.45 1.22	5.59

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0723 LF 1-1/2" Intermediate Metal Conduit (IMC) Conduit.....	12.69	3.73
For >250 To 500, Deduct	-0.17	
For >500 To 1,000, Deduct	-0.25	
For >1,000, Deduct	-0.34	
For Installation In Metal Stub Wall, Add	0.93	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.33	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.40	
For Work In Restricted Working Space, Add	2.80	
For Installation Above 14', Add	1.40	
26 05 33 13-0724 LF 2" Intermediate Metal Conduit (IMC) Conduit	15.05	4.20
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.34	
For >1,000, Deduct	-0.46	
For Installation In Metal Stub Wall, Add	1.05	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.62	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.57	
For Work In Restricted Working Space, Add	3.15	
For Installation Above 14', Add	1.57	
26 05 33 13-0725 LF 2-1/2" Intermediate Metal Conduit (IMC) Conduit.....	24.09	5.59
For >250 To 500, Deduct	-0.51	
For >500 To 1,000, Deduct	-0.76	
For >1,000, Deduct	-1.01	
For Installation In Metal Stub Wall, Add	1.40	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.50	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.10	
For Work In Restricted Working Space, Add	4.19	
For Installation Above 14', Add	2.10	
26 05 33 13-0726 LF 3" Intermediate Metal Conduit (IMC) Conduit	29.93	6.99
For >250 To 500, Deduct	-0.62	
For >500 To 1,000, Deduct	-0.93	
For >1,000, Deduct	-1.25	
For Installation In Metal Stub Wall, Add	1.75	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.37	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.62	
For Work In Restricted Working Space, Add	5.24	
For Installation Above 14', Add	2.62	
26 05 33 13-0727 LF 3-1/2" Intermediate Metal Conduit (IMC) Conduit.....	35.40	8.39
For >250 To 500, Deduct	-0.72	
For >500 To 1,000, Deduct	-1.08	
For >1,000, Deduct	-1.44	
For Installation In Metal Stub Wall, Add	2.10	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.25	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.15	
For Work In Restricted Working Space, Add	6.29	
For Installation Above 14', Add	3.15	
26 05 33 13-0728 LF 4" Intermediate Metal Conduit (IMC) Conduit	41.44	9.79
For >250 To 500, Deduct	-0.85	
For >500 To 1,000, Deduct	-1.27	
For >1,000, Deduct	-1.70	
For Installation In Metal Stub Wall, Add	2.45	
For Installation In Wood Stud Wall (Includes Drilling), Add	6.12	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.67	
For Work In Restricted Working Space, Add	7.34	
For Installation Above 14', Add	3.67	
26 05 33 13-0729 Intermediate Metal Conduit (IMC) 90 Degree Elbows <small>(26 05 33 13-0717)</small>		
See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0730 EA 1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	54.21	17.60
For Work In Restricted Working Space, Add	13.16	
For Installation Above 14', Add	6.58	
26 05 33 13-0731 EA 1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	65.46	20.39
For Work In Restricted Working Space, Add	15.28	
For Installation Above 14', Add	7.64	
26 05 33 13-0732 EA 1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	76.82	23.42
For Work In Restricted Working Space, Add	17.54	
For Installation Above 14', Add	8.77	
26 05 33 13-0733 EA 2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	90.74	25.75
For Work In Restricted Working Space, Add	19.29	
For Installation Above 14', Add	9.65	
26 05 33 13-0734 EA 2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	125.26	32.16
For Work In Restricted Working Space, Add	24.12	
For Installation Above 14', Add	12.06	
26 05 33 13-0735 EA 3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	178.21	43.81
For Work In Restricted Working Space, Add	32.86	
For Installation Above 14', Add	16.43	
26 05 33 13-0736 EA 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	244.80	49.40
For Work In Restricted Working Space, Add	37.06	
For Installation Above 14', Add	18.53	
26 05 33 13-0737 EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	301.44	64.32
For Work In Restricted Working Space, Add	48.23	
For Installation Above 14', Add	24.12	
26 05 33 13-0738 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut <small>(26 05 33 13-0717)</small>		
26 05 33 13-0739 EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	15.60	6.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.55	
26 05 33 13-0740 EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	18.25	0.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.24	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0741	EA		1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.42 6.64	8.85
26 05 33 13-0742	EA		1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.51 8.04	10.72
26 05 33 13-0743	EA		1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.56 8.74	11.65
26 05 33 13-0744	EA		2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.13 10.84	14.44
26 05 33 13-0745	EA		2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.77 17.48	23.31
26 05 33 13-0746	EA		3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.36 23.77	31.69
26 05 33 13-0747	EA		3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.50 28.32	37.75
26 05 33 13-0748	EA		4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.40 32.86	43.81
26 05 33 13-0749			Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings <small>(26 05 33 13-0717)</small> Note: 3-Piece coupling.		
26 05 33 13-0750	EA		1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.15 14.00 7.00 14.00	18.64
26 05 33 13-0751	EA		3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.56 15.62 7.81 15.62	20.85
26 05 33 13-0752	EA		1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.66 17.40 8.70 17.40	23.19
26 05 33 13-0753	EA		1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.39 19.05 9.52 19.05	25.40
26 05 33 13-0754	EA		1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.42 20.84 10.42 20.84	27.74
26 05 33 13-0755	EA		2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.14 22.57 11.28 22.57	30.06
26 05 33 13-0756	EA		2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	178.60 27.97 13.98 27.97	37.28
26 05 33 13-0757	EA		3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	246.73 34.96 17.48 34.96	46.61
26 05 33 13-0758	EA		3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	349.06 41.96 20.98 41.96	55.93
26 05 33 13-0759	EA		4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	399.07 45.44 22.72 45.44	60.59
26 05 33 13-0760			Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0717)</small>		
26 05 33 13-0761	EA		1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	27.10 6.99 3.50	9.33
26 05 33 13-0762	EA		3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	30.11 7.69 3.84	10.26
26 05 33 13-0763	EA		1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	34.47 8.74 4.37	11.65
26 05 33 13-0764	EA		1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	38.50 9.44 4.72	12.58
26 05 33 13-0765	EA		1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	44.78 10.49 5.24	13.98
26 05 33 13-0766	EA		2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	52.97 11.54 5.77	15.38

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0767	EA		2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	69.88	18.64
			<i>For Work In Restricted Working Space, Add</i>	13.98	
			<i>For Installation Above 14', Add</i>	6.99	
26 05 33 13-0768	EA		3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	86.65	23.31
			<i>For Work In Restricted Working Space, Add</i>	17.48	
			<i>For Installation Above 14', Add</i>	8.74	
26 05 33 13-0769	EA		3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	104.07	27.97
			<i>For Work In Restricted Working Space, Add</i>	20.98	
			<i>For Installation Above 14', Add</i>	10.49	
26 05 33 13-0770	EA		4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	116.30	30.29
			<i>For Work In Restricted Working Space, Add</i>	22.72	
			<i>For Installation Above 14', Add</i>	11.36	
26 05 33 13-0771			Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs <small>(26 05 33 13-0717)</small>		
26 05 33 13-0772	EA		1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	24.89	9.33
			<i>For Work In Restricted Working Space, Add</i>	6.99	
			<i>For Installation Above 14', Add</i>	3.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	
26 05 33 13-0773	EA		3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	31.50	11.65
			<i>For Work In Restricted Working Space, Add</i>	8.74	
			<i>For Installation Above 14', Add</i>	4.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33 13-0774	EA		1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	38.46	13.98
			<i>For Work In Restricted Working Space, Add</i>	10.49	
			<i>For Installation Above 14', Add</i>	5.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.49	
26 05 33 13-0775	EA		1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	45.74	16.32
			<i>For Work In Restricted Working Space, Add</i>	12.24	
			<i>For Installation Above 14', Add</i>	6.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.24	
26 05 33 13-0776	EA		1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	52.99	18.64
			<i>For Work In Restricted Working Space, Add</i>	13.98	
			<i>For Installation Above 14', Add</i>	6.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.98	
26 05 33 13-0777	EA		2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	61.65	20.98
			<i>For Work In Restricted Working Space, Add</i>	15.73	
			<i>For Installation Above 14', Add</i>	7.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.73	
26 05 33 13-0778	EA		2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	73.71	23.31
			<i>For Work In Restricted Working Space, Add</i>	17.48	
			<i>For Installation Above 14', Add</i>	8.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.48	
26 05 33 13-0779	EA		3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	84.90	25.63
			<i>For Work In Restricted Working Space, Add</i>	19.23	
			<i>For Installation Above 14', Add</i>	9.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.23	
26 05 33 13-0780	EA		3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	102.72	30.29
			<i>For Work In Restricted Working Space, Add</i>	22.72	
			<i>For Installation Above 14', Add</i>	11.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.72	
26 05 33 13-0781	EA		4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	115.61	32.62
			<i>For Work In Restricted Working Space, Add</i>	24.47	
			<i>For Installation Above 14', Add</i>	12.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.47	
26 05 33 13-0782			Intermediate Metal Conduit (IMC) Expansion Fittings <small>(26 05 33 13-0717)</small>		
26 05 33 13-0783	EA		1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	114.93	18.64
			<i>For Work In Restricted Working Space, Add</i>	13.99	
			<i>For Installation Above 14', Add</i>	6.99	
26 05 33 13-0784	EA		3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	127.57	20.98
			<i>For Work In Restricted Working Space, Add</i>	15.73	
			<i>For Installation Above 14', Add</i>	7.86	
26 05 33 13-0785	EA		1" Intermediate Metal Conduit (IMC) Expansion Fitting	141.78	23.31
			<i>For Work In Restricted Working Space, Add</i>	17.48	
			<i>For Installation Above 14', Add</i>	8.74	
26 05 33 13-0786	EA		1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	168.26	25.63
			<i>For Work In Restricted Working Space, Add</i>	19.23	
			<i>For Installation Above 14', Add</i>	9.61	
26 05 33 13-0787	EA		1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	202.04	27.97
			<i>For Work In Restricted Working Space, Add</i>	20.97	
			<i>For Installation Above 14', Add</i>	10.49	
26 05 33 13-0788	EA		2" Intermediate Metal Conduit (IMC) Expansion Fitting	257.94	30.29
			<i>For Work In Restricted Working Space, Add</i>	22.72	
			<i>For Installation Above 14', Add</i>	11.36	
26 05 33 13-0789	EA		2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	379.43	37.28
			<i>For Work In Restricted Working Space, Add</i>	27.97	
			<i>For Installation Above 14', Add</i>	13.98	
26 05 33 13-0790	EA		3" Intermediate Metal Conduit (IMC) Expansion Fitting	458.27	46.61
			<i>For Work In Restricted Working Space, Add</i>	34.96	
			<i>For Installation Above 14', Add</i>	17.48	
26 05 33 13-0791	EA		3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	628.05	55.93
			<i>For Work In Restricted Working Space, Add</i>	41.95	
			<i>For Installation Above 14', Add</i>	20.97	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0792	EA		4" Intermediate Metal Conduit (IMC) Expansion Fitting	721.48	60.59
			<i>For Work In Restricted Working Space, Add</i>	45.44	
			<i>For Installation Above 14', Add</i>	22.72	
26 05 33 13-0793			Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0717)		
26 05 33 13-0794	EA		1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	84.54	29.13
			<i>For Work In Restricted Working Space, Add</i>	17.48	
			<i>For Installation Above 14', Add</i>	8.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.48	
26 05 33 13-0795	EA		3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	100.79	34.96
			<i>For Work In Restricted Working Space, Add</i>	20.98	
			<i>For Installation Above 14', Add</i>	10.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.98	
26 05 33 13-0796	EA		1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	121.24	40.78
			<i>For Work In Restricted Working Space, Add</i>	24.47	
			<i>For Installation Above 14', Add</i>	12.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.47	
26 05 33 13-0797	EA		1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	141.40	46.61
			<i>For Work In Restricted Working Space, Add</i>	27.97	
			<i>For Installation Above 14', Add</i>	13.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97	
26 05 33 13-0798	EA		1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	177.40	52.44
			<i>For Work In Restricted Working Space, Add</i>	31.46	
			<i>For Installation Above 14', Add</i>	15.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.46	
26 05 33 13-0799	EA		2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	210.50	58.26
			<i>For Work In Restricted Working Space, Add</i>	34.96	
			<i>For Installation Above 14', Add</i>	17.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.96	
26 05 33 13-0800	EA		2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	285.83	69.92
			<i>For Work In Restricted Working Space, Add</i>	41.95	
			<i>For Installation Above 14', Add</i>	20.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.95	
26 05 33 13-0801	EA		3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	341.49	81.57
			<i>For Work In Restricted Working Space, Add</i>	48.94	
			<i>For Installation Above 14', Add</i>	24.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.94	
26 05 33 13-0802	EA		3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	700.83	93.22
			<i>For Work In Restricted Working Space, Add</i>	55.93	
			<i>For Installation Above 14', Add</i>	27.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.93	
26 05 33 13-0803	EA		4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	805.08	104.87
			<i>For Work In Restricted Working Space, Add</i>	62.92	
			<i>For Installation Above 14', Add</i>	31.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.92	
26 05 33 13-0804			Intermediate Metal Conduit (IMC) Threaded Couplings (26 05 33 13-0717)		
26 05 33 13-0805	EA		1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	14.87	5.59
			<i>For Work In Restricted Working Space, Add</i>	4.19	
			<i>For Installation Above 14', Add</i>	2.10	
26 05 33 13-0806	EA		3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	20.90	7.92
			<i>For Work In Restricted Working Space, Add</i>	5.94	
			<i>For Installation Above 14', Add</i>	2.97	
26 05 33 13-0807	EA		1" Intermediate Metal Conduit (IMC) Threaded Coupling	27.23	10.26
			<i>For Work In Restricted Working Space, Add</i>	7.68	
			<i>For Installation Above 14', Add</i>	3.84	
26 05 33 13-0808	EA		1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	31.17	11.65
			<i>For Work In Restricted Working Space, Add</i>	8.74	
			<i>For Installation Above 14', Add</i>	4.37	
26 05 33 13-0809	EA		1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	37.50	13.98
			<i>For Work In Restricted Working Space, Add</i>	10.48	
			<i>For Installation Above 14', Add</i>	5.24	
26 05 33 13-0810	EA		2" Intermediate Metal Conduit (IMC) Threaded Coupling	43.00	15.85
			<i>For Work In Restricted Working Space, Add</i>	11.89	
			<i>For Installation Above 14', Add</i>	5.94	
26 05 33 13-0811	EA		2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	51.73	17.71
			<i>For Work In Restricted Working Space, Add</i>	13.28	
			<i>For Installation Above 14', Add</i>	6.64	
26 05 33 13-0812	EA		3" Intermediate Metal Conduit (IMC) Threaded Coupling	60.31	20.04
			<i>For Work In Restricted Working Space, Add</i>	15.03	
			<i>For Installation Above 14', Add</i>	7.52	
26 05 33 13-0813	EA		3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	68.42	21.91
			<i>For Work In Restricted Working Space, Add</i>	16.43	
			<i>For Installation Above 14', Add</i>	8.22	
26 05 33 13-0814	EA		4" Intermediate Metal Conduit (IMC) Threaded Coupling	71.99	23.31
			<i>For Work In Restricted Working Space, Add</i>	17.47	
			<i>For Installation Above 14', Add</i>	8.74	
26 05 33 13-0815			Intermediate Metal Conduit (IMC) Reducer Bushings (26 05 33 13-0717)		
26 05 33 13-0816	EA		1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	6.83	2.33
			<i>For Work In Restricted Working Space, Add</i>	1.75	
			<i>For Installation Above 14', Add</i>	0.87	
26 05 33 13-0817	EA		3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	7.41	2.33
			<i>For Work In Restricted Working Space, Add</i>	1.75	
			<i>For Installation Above 14', Add</i>	0.87	

MINOR	DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM	UNIT COST		UNIT COST

26 05 33 13-0818	Aluminum Rigid Conduit (ARC) <small>(26 05 33 13-0058)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.			
26 05 33 13-0819	Aluminum Rigid Conduit (ARC) With Threaded Coupling <small>(26 05 33 13-0818)</small> Note: Includes field bend conduit up to 1".			
26 05 33 13-0820	LF 1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... 6.85 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 0.87 <i>For Work In Restricted Working Space, Add</i> 1.75			2.33
26 05 33 13-0821	LF 3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... 7.77 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 0.96 <i>For Work In Restricted Working Space, Add</i> 1.92			2.56
26 05 33 13-0822	LF 1" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... 8.93 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 1.05 <i>For Work In Restricted Working Space, Add</i> 2.10			2.79
26 05 33 13-0823	LF 1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling 10.11 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 1.14 <i>For Work In Restricted Working Space, Add</i> 2.27			3.03
26 05 33 13-0824	LF 1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling 11.30 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 1.22 <i>For Work In Restricted Working Space, Add</i> 2.45			3.27
26 05 33 13-0825	LF 2" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... 13.54 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 1.40 <i>For Work In Restricted Working Space, Add</i> 2.80			3.73
26 05 33 13-0826	LF 2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling 18.30 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 1.75 <i>For Work In Restricted Working Space, Add</i> 3.50			4.66
26 05 33 13-0827	LF 3" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... 22.73 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 2.10 <i>For Work In Restricted Working Space, Add</i> 4.19			5.59
26 05 33 13-0828	LF 3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling 27.98 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 2.62 <i>For Work In Restricted Working Space, Add</i> 5.24			6.99
26 05 33 13-0829	LF 4" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... 34.57 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 3.32 <i>For Work In Restricted Working Space, Add</i> 6.64			8.85
26 05 33 13-0830	LF 5" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... 45.76 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 4.20 <i>For Work In Restricted Working Space, Add</i> 8.39			11.19
26 05 33 13-0831	LF 6" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... 58.38 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 5.24 <i>For Work In Restricted Working Space, Add</i> 10.49			13.98
26 05 33 13-0832	Aluminum 90 Degree Elbows <small>(26 05 33 13-0818)</small>			
26 05 33 13-0833	EA 1" Aluminum 90 Degree Elbow 41.13 <i>For Work In Restricted Working Space, Add</i> 9.09			12.12
26 05 33 13-0834	EA 1-1/4" Aluminum 90 Degree Elbow 51.60 <i>For Work In Restricted Working Space, Add</i> 10.31			13.75
26 05 33 13-0835	EA 1-1/2" Aluminum 90 Degree Elbow 62.53 <i>For Work In Restricted Working Space, Add</i> 11.89			15.85
26 05 33 13-0836	EA 2" Aluminum 90 Degree Elbow 79.18 <i>For Work In Restricted Working Space, Add</i> 13.64			18.18
26 05 33 13-0837	EA 2-1/2" Aluminum 90 Degree Elbow 112.18 <i>For Work In Restricted Working Space, Add</i> 16.60			22.14
26 05 33 13-0838	EA 3" Aluminum 90 Degree Elbow 159.46 <i>For Work In Restricted Working Space, Add</i> 21.50			28.67
26 05 33 13-0839	EA 3-1/2" Aluminum 90 Degree Elbow 217.32 <i>For Work In Restricted Working Space, Add</i> 24.12			32.16
26 05 33 13-0840	EA 4" Aluminum 90 Degree Elbow 263.15 <i>For Work In Restricted Working Space, Add</i> 30.24			40.32
26 05 33 13-0841	EA 5" Aluminum 90 Degree Elbow 644.36 <i>For Work In Restricted Working Space, Add</i> 49.29			65.72
26 05 33 13-0842	EA 6" Aluminum 90 Degree Elbow 911.23 <i>For Work In Restricted Working Space, Add</i> 74.11			98.81
26 05 33 13-0843	Aluminum Bushing Set With Locknut <small>(26 05 33 13-0818)</small>			
26 05 33 13-0844	EA 1/2" Aluminum Bushing Set With Locknut..... 12.47 <i>For Work In Restricted Working Space, Add</i> 3.50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 3.50			4.66
26 05 33 13-0845	EA 3/4" Aluminum Bushing Set With Locknut..... 18.47 <i>For Work In Restricted Working Space, Add</i> 4.55 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.55			6.06
26 05 33 13-0846	EA 1" Aluminum Bushing Set With Locknut..... 19.17 <i>For Work In Restricted Working Space, Add</i> 5.59 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.59			7.45
26 05 33 13-0847	EA 1-1/4" Aluminum Bushing Set With Locknut 21.57 <i>For Work In Restricted Working Space, Add</i> 6.29 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.29			8.39
26 05 33 13-0848	EA 1-1/2" Aluminum Bushing Set With Locknut 26.39 <i>For Work In Restricted Working Space, Add</i> 7.69 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.69			10.26
26 05 33 13-0849	EA 2" Aluminum Bushing Set With Locknut..... 32.14 <i>For Work In Restricted Working Space, Add</i> 9.26 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 9.26			12.35

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 05 33 13-0850	EA	2-1/2" Aluminum Bushing Set With Locknut.....	39.27	14.68
		<i>For Work In Restricted Working Space, Add</i>	11.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 05 33 13-0851	EA	3" Aluminum Bushing Set With Locknut.....	45.75	16.78
		<i>For Work In Restricted Working Space, Add</i>	12.59	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.59	
26 05 33 13-0852	EA	3-1/2" Aluminum Bushing Set With Locknut.....	49.50	18.18
		<i>For Work In Restricted Working Space, Add</i>	13.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.64	
26 05 33 13-0853	EA	4" Aluminum Bushing Set With Locknut.....	53.80	19.57
		<i>For Work In Restricted Working Space, Add</i>	14.68	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.68	
26 05 33 13-0854	EA	5" Aluminum Bushing Set With Locknut.....	71.33	26.10
		<i>For Work In Restricted Working Space, Add</i>	19.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.58	
26 05 33 13-0855	EA	6" Aluminum Bushing Set With Locknut.....	106.22	39.16
		<i>For Work In Restricted Working Space, Add</i>	29.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.36	

26 05 33 13-0856 Schedule 40 Polyvinyl Chloride (PVC) Conduit (26 05 33 13-0058)

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0857 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings (26 05 33 13-0856)

Note: Includes field bend conduit up to 1".

26 05 33 13-0858	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	4.79	1.83
		<i>For Schedule 60, Add</i>	0.28	
		<i>For Schedule 80, Add</i>	0.53	
26 05 33 13-0859	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	5.30	2.01
		<i>For Schedule 60, Add</i>	0.32	
		<i>For Schedule 80, Add</i>	0.60	
26 05 33 13-0860	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	6.28	2.34
		<i>For Schedule 60, Add</i>	0.40	
		<i>For Schedule 80, Add</i>	0.73	
26 05 33 13-0861	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	7.25	2.68
		<i>For Schedule 60, Add</i>	0.47	
		<i>For Schedule 80, Add</i>	0.86	
26 05 33 13-0862	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	8.47	3.13
		<i>For Schedule 60, Add</i>	0.55	
		<i>For Schedule 80, Add</i>	1.01	
26 05 33 13-0863	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	9.81	3.57
		<i>For Schedule 60, Add</i>	0.66	
		<i>For Schedule 80, Add</i>	1.20	
26 05 33 13-0864	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	11.98	4.24
		<i>For Schedule 60, Add</i>	0.87	
		<i>For Schedule 80, Add</i>	1.54	
26 05 33 13-0865	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	13.92	4.92
		<i>For Schedule 60, Add</i>	1.02	
		<i>For Schedule 80, Add</i>	1.80	
26 05 33 13-0866	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	16.62	5.81
		<i>For Schedule 60, Add</i>	1.25	
		<i>For Schedule 80, Add</i>	2.18	
26 05 33 13-0867	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	20.18	7.15
		<i>For Schedule 60, Add</i>	1.47	
		<i>For Schedule 80, Add</i>	2.59	
26 05 33 13-0868	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	28.52	10.06
		<i>For Schedule 60, Add</i>	2.10	
		<i>For Schedule 80, Add</i>	3.70	
26 05 33 13-0869	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	37.98	13.40
		<i>For Schedule 60, Add</i>	2.79	
		<i>For Schedule 80, Add</i>	4.91	

26 05 33 13-0870 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows (26 05 33 13-0856)

See CSI section 26 05 33 13-1648 for conduit field bending.

26 05 33 13-0871	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	23.18	8.94
		<i>See CSI section 26 05 33 13-1648 for conduit field bending.</i>		
		<i>For Schedule 60, Add</i>	1.33	
		<i>For Schedule 80, Add</i>	2.53	
26 05 33 13-0872	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	25.60	9.83
		<i>See CSI section 26 05 33 13-1648 for conduit field bending.</i>		
		<i>For Schedule 60, Add</i>	1.48	
		<i>For Schedule 80, Add</i>	2.81	
26 05 33 13-0873	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	29.51	11.17
		<i>See CSI section 26 05 33 13-1648 for conduit field bending.</i>		
		<i>For Schedule 60, Add</i>	1.79	
		<i>For Schedule 80, Add</i>	3.35	
26 05 33 13-0874	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	38.04	14.31
		<i>See CSI section 26 05 33 13-1648 for conduit field bending.</i>		
		<i>For Schedule 60, Add</i>	2.36	
		<i>For Schedule 80, Add</i>	4.37	
26 05 33 13-0875	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	47.80	17.88
		<i>See CSI section 26 05 33 13-1648 for conduit field bending.</i>		
		<i>For Schedule 60, Add</i>	3.01	
		<i>For Schedule 80, Add</i>	5.56	
26 05 33 13-0876	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	60.15	22.34
		<i>See CSI section 26 05 33 13-1648 for conduit field bending.</i>		
		<i>For Schedule 60, Add</i>	3.86	
		<i>For Schedule 80, Add</i>	7.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0877	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	74.62 5.25 9.36	26.82
26 05 33 13-0878	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	90.63 7.01 12.17	31.28
26 05 33 13-0879	EA		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	112.24 9.06 15.54	37.99
26 05 33 13-0880	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	133.95 11.14 18.95	44.70
26 05 33 13-0881	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	178.80 16.76 27.66	55.87
26 05 33 13-0882	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	217.48 20.85 34.22	67.04
26 05 33 13-0883 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows <small>(26 05 33 13-0856)</small>					
26 05 33 13-0884	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	23.18 1.33 2.53	8.94
26 05 33 13-0885	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	25.54 1.47 2.79	9.83
26 05 33 13-0886	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	29.43 1.77 3.32	11.17
26 05 33 13-0887	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	37.80 2.30 4.29	14.31
26 05 33 13-0888	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	47.24 2.87 5.36	17.88
26 05 33 13-0889	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	59.85 3.79 6.98	22.34
26 05 33 13-0890	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	74.07 5.11 9.16	26.82
26 05 33 13-0891	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	89.93 6.84 11.92	31.28
26 05 33 13-0892	EA		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	110.28 8.57 14.85	37.99
26 05 33 13-0893	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	132.26 10.72 18.36	44.70
26 05 33 13-0894	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	176.61 16.22 26.89	55.87
26 05 33 13-0895	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	210.96 19.22 31.93	67.04
26 05 33 13-0896 Polyvinyl Chloride (PVC) Conduit Female Adapters <small>(26 05 33 13-0856)</small>					
26 05 33 13-0897	EA		1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.04 4.70	6.26
26 05 33 13-0898	EA		3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.41 5.36	7.15
26 05 33 13-0899	EA		1" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.84 6.03	8.05
26 05 33 13-0900	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34 6.70	8.94
26 05 33 13-0901	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.02 8.38	11.17

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0902	EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.06 10.06	13.40
26 05 33 13-0903	EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.56 13.41	17.88
26 05 33 13-0904	EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.76 16.76	22.34
26 05 33 13-0905	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.58 21.79	29.05
26 05 33 13-0906	EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.56 26.82	35.76
26 05 33 13-0907	EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.16 33.52	44.70
26 05 33 13-0908	EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.25 41.90	55.87
26 05 33 13-0909 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug (26 05 33 13-0856)			
26 05 33 13-0910	EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.58 4.02	5.37
26 05 33 13-0911	EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.06 4.70	6.26
26 05 33 13-0912	EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.53 5.36	7.15
26 05 33 13-0913	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.12 6.03	8.05
26 05 33 13-0914	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97 6.70	8.94
26 05 33 13-0915	EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.09 7.71	10.28
26 05 33 13-0916	EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.15 8.72	11.62
26 05 33 13-0917	EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.33 10.06	13.40
26 05 33 13-0918	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.89 11.73	15.65
26 05 33 13-0919	EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.70 13.41	17.88
26 05 33 13-0920	EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.68 15.09	20.11
26 05 33 13-0921	EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.81 16.76	22.34
26 05 33 13-0922 Polyvinyl Chloride (PVC) Conduit Terminal Adapters (26 05 33 13-0856)			
26 05 33 13-0923	EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.51 5.16	
26 05 33 13-0924	EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.13 6.18	
26 05 33 13-0925	EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.52 6.86	
26 05 33 13-0926	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.34 7.65	
26 05 33 13-0927	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.88 8.38	11.17
26 05 33 13-0928	EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.88 10.06	13.40
26 05 33 13-0929	EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.18 13.41	17.88
26 05 33 13-0930	EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.24 16.76	22.34
26 05 33 13-0931	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.91 21.79	29.05
26 05 33 13-0932	EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.87 26.82	35.76
26 05 33 13-0933	EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.81 33.52	44.70
26 05 33 13-0934	EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.63 41.90	55.87
26 05 33 13-0935 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover (26 05 33 13-0856)			
26 05 33 13-0936	EA 1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.34 13.41	17.88
26 05 33 13-0937	EA 3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.44 15.09	20.11
26 05 33 13-0938	EA 1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.57 16.76	22.34
26 05 33 13-0939	EA 1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.18 20.11	26.82
26 05 33 13-0940	EA 1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.32 25.14	33.52
26 05 33 13-0941	EA 2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.44 30.17	40.22
26 05 33 13-0942	EA 2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.14 33.52	44.70
26 05 33 13-0943	EA 3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	188.52 36.88	49.16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0944	EA		3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	207.48 41.90	55.87
26 05 33 13-0945	EA		4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.24 48.61	64.81
26 05 33 13-0946			Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover (26 05 33 13-0946)		
26 05 33 13-0947	EA		1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.10 17.48	23.31
26 05 33 13-0948	EA		3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.16 19.23	25.63
26 05 33 13-0949	EA		1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.12 20.98	27.97
26 05 33 13-0950	EA		1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.77 24.47	32.62
26 05 33 13-0951	EA		1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.28 29.72	39.62
26 05 33 13-0952	EA		2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.85 34.96	46.61
26 05 33 13-0953			Polyvinyl Chloride (PVC) Conduit Expansion Joint (26 05 33 13-0953)		
26 05 33 13-0954	EA		1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	86.99	22.34
26 05 33 13-0955	EA		3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	98.94	26.82
26 05 33 13-0956	EA		1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	111.37	31.28
26 05 33 13-0957	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	123.33	35.76
26 05 33 13-0958	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	135.10	40.22
26 05 33 13-0959	EA		2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	148.36	44.70
26 05 33 13-0960	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	178.02	51.40
26 05 33 13-0961	EA		3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	209.52	58.10
26 05 33 13-0962	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	244.21	67.04
26 05 33 13-0963	EA		4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	288.87	78.22
26 05 33 13-0964	EA		5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	371.62	93.86
26 05 33 13-0965	EA		6" Polyvinyl Chloride (PVC) Conduit Expansion Joint	485.73	120.67
26 05 33 13-0966			Polyvinyl Chloride (PVC) Conduit End Caps (26 05 33 13-0966)		
26 05 33 13-0967	EA		1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.80 3.35	4.46
26 05 33 13-0968	EA		3/4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.22 4.02	5.37
26 05 33 13-0969	EA		1" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.61 4.70	6.26
26 05 33 13-0970	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.70 5.36	7.15
26 05 33 13-0971	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.82 6.03	8.05
26 05 33 13-0972	EA		2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.53 6.70	8.94
26 05 33 13-0973	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.70 7.71	10.28
26 05 33 13-0974	EA		3" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.58 8.72	11.62
26 05 33 13-0975	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.89 9.72	12.96
26 05 33 13-0976	EA		4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.43 10.39	13.86
26 05 33 13-0977	EA		5" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.40 11.73	15.65
26 05 33 13-0978	EA		6" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.26 13.41	17.88
26 05 33 13-0979			Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-0979)		
26 05 33 13-0980	EA		2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.35 30.17	40.22
26 05 33 13-0981	EA		3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.01 20.11	26.82
26 05 33 13-0982	EA		1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	240.41 33.52	44.70
26 05 33 13-0983	EA		3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	442.00 48.61	64.81
26 05 33 13-0984			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-0984) Note: Exposed installation. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0985			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-0985)		
26 05 33 13-0986	LF		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	6.60	1.83
26 05 33 13-0987	LF		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	7.30	2.01
26 05 33 13-0988	LF		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.27	2.32
26 05 33 13-0989	LF		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.24	2.68

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

26 05 33 13-0990	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.56	3.13
26 05 33 13-0991	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.75	3.57
26 05 33 13-0992	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.97	4.24
26 05 33 13-0993	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	16.33	4.92
26 05 33 13-0994	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	19.07	5.81
26 05 33 13-0995	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	22.93	7.15
26 05 33 13-0996	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	31.44	10.06
26 05 33 13-0997	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	41.41	13.40

26 05 33 13-0998 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90**Degree Elbows, 12" Large Radius Elbows** (26 05 33 13-0984)

26 05 33 13-0999	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	59.59	8.94
		For 24" Radius, Add	3.91	
		For 36" Radius, Add	5.96	
		For 48" Radius, Add	8.01	
26 05 33 13-1000	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	66.29	9.83
		For 24" Radius, Add	4.36	
		For 36" Radius, Add	6.63	
		For 48" Radius, Add	8.90	
26 05 33 13-1001	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	70.06	11.17
		For 24" Radius, Add	4.56	
		For 36" Radius, Add	7.01	
		For 48" Radius, Add	9.46	
26 05 33 13-1002	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	78.30	14.31
		For 24" Radius, Add	4.98	
		For 36" Radius, Add	7.83	
		For 48" Radius, Add	10.68	
26 05 33 13-1003	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	87.66	17.88
		For 24" Radius, Add	5.46	
		For 36" Radius, Add	8.77	
		For 48" Radius, Add	12.08	
26 05 33 13-1004	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	104.76	22.34
		For 24" Radius, Add	6.46	
		For 36" Radius, Add	10.48	
		For 48" Radius, Add	14.49	
26 05 33 13-1005	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	125.55	26.82
		For 24" Radius, Add	7.74	
		For 36" Radius, Add	12.56	
		For 48" Radius, Add	17.37	
26 05 33 13-1006	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	148.44	31.28
		For 24" Radius, Add	9.18	
		For 36" Radius, Add	14.84	
		For 48" Radius, Add	20.51	
26 05 33 13-1007	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	173.97	37.99
		For 24" Radius, Add	10.67	
		For 36" Radius, Add	17.40	
		For 48" Radius, Add	24.12	
26 05 33 13-1008	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	199.51	44.70
		For 24" Radius, Add	12.17	
		For 36" Radius, Add	19.95	
		For 48" Radius, Add	27.73	
26 05 33 13-1009	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	249.39	55.87
		For 24" Radius, Add	15.21	
		For 36" Radius, Add	24.94	
		For 48" Radius, Add	34.67	
26 05 33 13-1010	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	304.75	67.04
		For 24" Radius, Add	18.67	
		For 36" Radius, Add	30.48	
		For 48" Radius, Add	42.28	

26 05 33 13-1011 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45**Degree Elbows, 12" Large Radius Elbows** (26 05 33 13-0984)

26 05 33 13-1012	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	52.89	8.94
		For 24" Radius, Add	3.41	
		For 36" Radius, Add	5.29	
		For 48" Radius, Add	7.17	
26 05 33 13-1013	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	58.79	9.83
		For 24" Radius, Add	3.79	
		For 36" Radius, Add	5.88	
		For 48" Radius, Add	7.96	
26 05 33 13-1014	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	62.48	11.17
		For 24" Radius, Add	3.99	
		For 36" Radius, Add	6.25	
		For 48" Radius, Add	8.51	
26 05 33 13-1015	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	70.64	14.31
		For 24" Radius, Add	4.40	
		For 36" Radius, Add	7.06	
		For 48" Radius, Add	9.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1016	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	79.93	17.88
			<i>For 24" Radius, Add</i>	4.88	
			<i>For 36" Radius, Add</i>	7.99	
			<i>For 48" Radius, Add</i>	11.11	
26 05 33 13-1017	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	95.96	22.34
			<i>For 24" Radius, Add</i>	5.80	
			<i>For 36" Radius, Add</i>	9.60	
			<i>For 48" Radius, Add</i>	13.39	
26 05 33 13-1018	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	115.02	26.82
			<i>For 24" Radius, Add</i>	6.95	
			<i>For 36" Radius, Add</i>	11.50	
			<i>For 48" Radius, Add</i>	16.05	
26 05 33 13-1019	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	135.80	31.28
			<i>For 24" Radius, Add</i>	8.23	
			<i>For 36" Radius, Add</i>	13.58	
			<i>For 48" Radius, Add</i>	18.93	
26 05 33 13-1020	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	159.75	37.99
			<i>For 24" Radius, Add</i>	9.61	
			<i>For 36" Radius, Add</i>	15.98	
			<i>For 48" Radius, Add</i>	22.34	
26 05 33 13-1021	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	183.71	44.70
			<i>For 24" Radius, Add</i>	10.98	
			<i>For 36" Radius, Add</i>	18.37	
			<i>For 48" Radius, Add</i>	25.76	
26 05 33 13-1022	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	229.64	55.87
			<i>For 24" Radius, Add</i>	13.73	
			<i>For 36" Radius, Add</i>	22.96	
			<i>For 48" Radius, Add</i>	32.20	
26 05 33 13-1023	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	280.06	67.04
			<i>For 24" Radius, Add</i>	16.81	
			<i>For 36" Radius, Add</i>	28.01	
			<i>For 48" Radius, Add</i>	39.20	
26 05 33 13-1024			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows		
			<small>(26 05 33 13-0984)</small>		
26 05 33 13-1025	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	48.79	8.05
			<i>For 24" Radius, Add</i>	3.16	
			<i>For 36" Radius, Add</i>	4.88	
			<i>For 48" Radius, Add</i>	6.60	
26 05 33 13-1026	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	54.23	8.85
			<i>For 24" Radius, Add</i>	3.51	
			<i>For 36" Radius, Add</i>	5.42	
			<i>For 48" Radius, Add</i>	7.33	
26 05 33 13-1027	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	57.58	10.06
			<i>For 24" Radius, Add</i>	3.69	
			<i>For 36" Radius, Add</i>	5.76	
			<i>For 48" Radius, Add</i>	7.83	
26 05 33 13-1028	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	64.95	12.87
			<i>For 24" Radius, Add</i>	4.07	
			<i>For 36" Radius, Add</i>	6.50	
			<i>For 48" Radius, Add</i>	8.92	
26 05 33 13-1029	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	73.30	16.09
			<i>For 24" Radius, Add</i>	4.49	
			<i>For 36" Radius, Add</i>	7.33	
			<i>For 48" Radius, Add</i>	10.17	
26 05 33 13-1030	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	87.93	20.11
			<i>For 24" Radius, Add</i>	5.34	
			<i>For 36" Radius, Add</i>	8.79	
			<i>For 48" Radius, Add</i>	12.25	
26 05 33 13-1031	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	105.39	24.14
			<i>For 24" Radius, Add</i>	6.40	
			<i>For 36" Radius, Add</i>	10.54	
			<i>For 48" Radius, Add</i>	14.68	
26 05 33 13-1032	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	124.47	28.16
			<i>For 24" Radius, Add</i>	7.58	
			<i>For 36" Radius, Add</i>	12.45	
			<i>For 48" Radius, Add</i>	17.32	
26 05 33 13-1033	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	146.30	34.19
			<i>For 24" Radius, Add</i>	8.84	
			<i>For 36" Radius, Add</i>	14.63	
			<i>For 48" Radius, Add</i>	20.42	
26 05 33 13-1034	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	168.14	40.22
			<i>For 24" Radius, Add</i>	10.10	
			<i>For 36" Radius, Add</i>	16.81	
			<i>For 48" Radius, Add</i>	23.53	
26 05 33 13-1035	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	210.19	50.29
			<i>For 24" Radius, Add</i>	12.62	
			<i>For 36" Radius, Add</i>	21.02	
			<i>For 48" Radius, Add</i>	29.42	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1036	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	256.45 15.46 25.65 35.83	60.34
26 05 33 13-1037			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-0984)</small>		
26 05 33 13-1038	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	46.93 3.02 4.69 6.37	8.05
26 05 33 13-1039	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	52.15 3.36 5.22 7.07	8.85
26 05 33 13-1040	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	55.47 3.53 5.55 7.56	10.06
26 05 33 13-1041	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	62.82 3.91 6.28 8.66	12.87
26 05 33 13-1042	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	71.15 4.33 7.12 9.90	16.09
26 05 33 13-1043	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	85.49 5.15 8.55 11.94	20.11
26 05 33 13-1044	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	102.47 6.18 10.25 14.32	24.14
26 05 33 13-1045	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	120.95 7.31 12.10 16.88	28.16
26 05 33 13-1046	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	142.35 8.54 14.24 19.93	34.19
26 05 33 13-1047	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	163.75 9.77 16.38 22.98	40.22
26 05 33 13-1048	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	204.70 12.21 20.47 28.73	50.29
26 05 33 13-1049	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	249.59 14.95 24.96 34.97	60.34
26 05 33 13-1050			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-0984)</small>		
26 05 33 13-1051	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	31.07	6.26
26 05 33 13-1052	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	35.07	7.15
26 05 33 13-1053	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	37.47	8.05
26 05 33 13-1054	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	39.85	8.94
26 05 33 13-1055	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	45.79	11.17
26 05 33 13-1056	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	54.79	13.40
26 05 33 13-1057	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	70.30	17.88
26 05 33 13-1058	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	86.59	22.34
26 05 33 13-1059	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	107.19	29.05
26 05 33 13-1060	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	127.79	35.76
26 05 33 13-1061	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	159.74	44.70
26 05 33 13-1062	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	199.66	55.87
26 05 33 13-1063			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings <small>(26 05 33 13-0984)</small>		

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

26 05 33 13-1064	EA	1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	24.35	6.26
26 05 33 13-1065	EA	3/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	27.55	7.15
26 05 33 13-1066	EA	1"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	29.88	8.05
26 05 33 13-1067	EA	1-1/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	32.21	8.94
26 05 33 13-1068	EA	1-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	37.91	11.17
26 05 33 13-1069	EA	2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	43.56	13.40
26 05 33 13-1070	EA	2-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	56.74	17.88
26 05 33 13-1071	EA	3"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	70.32	22.34
26 05 33 13-1072	EA	3-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	88.89	29.05
26 05 33 13-1073	EA	4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	107.46	35.76
26 05 33 13-1074	EA	5"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	134.34	44.70
26 05 33 13-1075	EA	6"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	167.91	55.87

26 05 33 13-1076 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings (26 05 33 13-0984)

26 05 33 13-1077	EA	1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	26.47	5.14
26 05 33 13-1078	EA	3/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	29.90	7.15
26 05 33 13-1079	EA	1"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	32.27	8.05
26 05 33 13-1080	EA	1-1/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	34.57	8.94
26 05 33 13-1081	EA	1-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	40.44	11.17
26 05 33 13-1082	EA	2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	48.41	13.40
26 05 33 13-1083	EA	2-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	62.56	17.88
26 05 33 13-1084	EA	3"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	77.30	22.34
26 05 33 13-1085	EA	3-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	96.74	29.05
26 05 33 13-1086	EA	4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	116.17	35.76
26 05 33 13-1087	EA	5"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	145.21	44.70
26 05 33 13-1088	EA	6"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	181.53	55.87

26 05 33 13-1089 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints (26 05 33 13-0984)

26 05 33 13-1090	EA	1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	67.79	22.34
26 05 33 13-1091	EA	3/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	80.26	26.82
26 05 33 13-1092	EA	1"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	91.59	31.28
26 05 33 13-1093	EA	1-1/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	102.85	35.76
26 05 33 13-1094	EA	1-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	114.32	40.22
26 05 33 13-1095	EA	2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	128.12	44.70
26 05 33 13-1096	EA	2-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	148.16	51.40
26 05 33 13-1097	EA	3"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	168.85	58.10
26 05 33 13-1098	EA	3-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	194.15	67.04
26 05 33 13-1099	EA	4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	225.04	78.22
26 05 33 13-1100	EA	5"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	260.34	89.39
26 05 33 13-1101	EA	6"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	297.49	100.56

26 05 33 13-1102 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints (26 05 33 13-0984)

26 05 33 13-1103	EA	1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	72.63	22.34
26 05 33 13-1104	EA	3/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	85.69	26.82
26 05 33 13-1105	EA	1"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	97.05	31.28
26 05 33 13-1106	EA	1-1/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	108.36	35.76
26 05 33 13-1107	EA	1-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	119.88	40.22
26 05 33 13-1108	EA	2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	134.47	44.70
26 05 33 13-1109	EA	2-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	155.78	51.40
26 05 33 13-1110	EA	3"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	178.00	58.10
26 05 33 13-1111	EA	3-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	204.44	67.04
26 05 33 13-1112	EA	4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	236.48	78.22
26 05 33 13-1113	EA	5"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	274.68	89.39
26 05 33 13-1114	EA	6"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	315.41	100.56

26 05 33 13-1115 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters (26 05 33 13-0984)

26 05 33 13-1116	EA	1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	55.51	6.26
26 05 33 13-1117	EA	3/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	62.16	7.15
26 05 33 13-1118	EA	1"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	65.75	8.05
26 05 33 13-1119	EA	1-1/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	69.40	8.94
26 05 33 13-1120	EA	1-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	75.72	11.17
26 05 33 13-1121	EA	2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	85.86	13.40
26 05 33 13-1122	EA	2-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	107.51	17.88
26 05 33 13-1123	EA	3"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	131.20	22.34
26 05 33 13-1124	EA	3-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	157.39	29.05
26 05 33 13-1125	EA	4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	183.57	35.76
26 05 33 13-1126	EA	5"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	229.50	44.70
26 05 33 13-1127	EA	6"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	285.96	55.87

26 05 33 13-1128 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints (26 05 33 13-0984)

26 05 33 13-1129	EA	1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	81.05	22.34
26 05 33 13-1130	EA	3/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	95.02	26.82
26 05 33 13-1131	EA	1"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	112.79	31.28
26 05 33 13-1132	EA	1-1/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	136.00	35.76

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

26 05 33 13-1133	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	164.45	40.22
26 05 33 13-1134	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	206.43	44.70
26 05 33 13-1135	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	277.50	51.40
26 05 33 13-1136	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	330.02	58.10
26 05 33 13-1137	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	394.84	67.04
26 05 33 13-1138	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	465.25	78.22
26 05 33 13-1139	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	543.84	89.39
26 05 33 13-1140	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	795.27	100.56

26 05 33 13-1141 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover (26 05 33 13-0984)

26 05 33 13-1142	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	66.99	17.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.41	
26 05 33 13-1143	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	76.87	20.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.09	
26 05 33 13-1144	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	96.40	22.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.76	
26 05 33 13-1145	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	117.11	26.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.11	
26 05 33 13-1146	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	148.17	33.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.14	
26 05 33 13-1147	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	195.92	40.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.17	
26 05 33 13-1148	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	296.13	46.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.20	
26 05 33 13-1149	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	372.50	53.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.23	
26 05 33 13-1150	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	445.50	62.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.93	
26 05 33 13-1151	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	518.51	71.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.63	
26 05 33 13-1152	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	606.42	80.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.34	
26 05 33 13-1153	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	685.39	89.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.04	

26 05 33 13-1154 Explosion Proof Conduit Fittings (26 05 33 13-0058)

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.

26 05 33 13-1155 Explosion Proof Malleable Iron Conduit Unions (26 05 33 13-1154)

26 05 33 13-1156	EA	1/2" Explosion Proof Malleable Iron Conduit Union	37.57	9.69
26 05 33 13-1157	EA	3/4" Explosion Proof Malleable Iron Conduit Union	45.15	10.72
26 05 33 13-1158	EA	1" Explosion Proof Malleable Iron Conduit Union	69.03	14.29
26 05 33 13-1159	EA	1-1/4" Explosion Proof Malleable Iron Conduit Union	88.44	15.82
26 05 33 13-1160	EA	1-1/2" Explosion Proof Malleable Iron Conduit Union	110.77	19.40
26 05 33 13-1161	EA	2" Explosion Proof Malleable Iron Conduit Union	136.38	22.46
26 05 33 13-1162	EA	2-1/2" Explosion Proof Malleable Iron Conduit Union	205.62	32.12
26 05 33 13-1163	EA	3" Explosion Proof Malleable Iron Conduit Union	258.87	38.24
26 05 33 13-1164	EA	3-1/2" Explosion Proof Malleable Iron Conduit Union	417.20	45.89
26 05 33 13-1165	EA	4" Explosion Proof Malleable Iron Conduit Union	452.01	58.63

26 05 33 13-1166 Explosion Proof Malleable Iron Conduit Bodies (26 05 33 13-1154)

26 05 33 13-1167	EA	1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	129.51	30.62
26 05 33 13-1168	EA	3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	146.17	34.71
26 05 33 13-1169	EA	1" Explosion Proof Malleable Iron Two Hub Conduit Body.....	168.93	38.28
26 05 33 13-1170	EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body.....	149.66	38.28
26 05 33 13-1171	EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body.....	178.61	45.94
26 05 33 13-1172	EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body.....	209.69	52.57

26 05 33 13-1173 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical (26 05 33 13-1154)

Note: Includes sealing gasket and lock nut.

26 05 33 13-1174	EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	107.29	25.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.14	
26 05 33 13-1175	EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	112.01	28.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.44	
26 05 33 13-1176	EA	1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	122.20	31.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.35	
26 05 33 13-1177	EA	1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	155.43	38.28
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.71	

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

26 05 33 13-1178	EA			1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	194.69 33.68	44.91
26 05 33 13-1179	EA			2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	243.94 38.28	51.04
26 05 33 13-1180	EA			2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	350.96 57.35	76.47
26 05 33 13-1181	EA			3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	442.83 71.89	95.85
26 05 33 13-1182	EA			3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	597.33 79.15	105.53
26 05 33 13-1183	EA			4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	750.56 86.03	114.71

26 05 33 13-1184 Explosion Proof Flexible Conduit Couplings (26 05 33 13-1154)

26 05 33 13-1185	EA			1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	234.35	11.74
26 05 33 13-1186	EA			3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	304.66	13.27

26 05 33 13-1187 Conduit Installed Below Grade (26 05 33 13-0057)

Note: By direct burial In trench or in concrete slabs or duct banks. Excludes trenching, backfilling and concrete.

26 05 33 13-1188 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial (26 05 33 13-1187)

26 05 33 13-1189 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial (26 05 33 13-1188)

Note: Includes field bend conduit up to 1".

26 05 33 13-1190	LF			1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	3.83 0.23 0.43	
26 05 33 13-1191	LF			3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	4.18 0.26 0.49	
26 05 33 13-1192	LF			1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	4.60 0.31 0.56	
26 05 33 13-1193	LF			1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	5.00 0.36 0.64	
26 05 33 13-1194	LF			1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	5.40 0.40 0.70	
26 05 33 13-1195	LF			2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	5.90 0.47 0.81	
26 05 33 13-1196	LF			2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	6.68 0.61 1.01	
26 05 33 13-1197	LF			3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	7.22 0.69 1.13	
26 05 33 13-1198	LF			3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	7.96 0.82 1.32	
26 05 33 13-1199	LF			4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	8.45 0.88 1.42	
26 05 33 13-1200	LF			5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	9.81 1.17 1.83	
26 05 33 13-1201	LF			6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	11.17 1.45 2.23	

26 05 33 13-1202 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial (26 05 33 13-1188)

See CSI section 26 05 33 13-1648 for conduit field bending.

26 05 33 13-1203	EA			1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	28.77 1.61 3.09	
26 05 33 13-1204	EA			3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	34.53 1.93 3.71	
26 05 33 13-1205	EA			1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	40.69 2.35 4.46	
26 05 33 13-1206	EA			1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	46.98 2.81 5.27	
26 05 33 13-1207	EA			1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	53.39 3.29 6.11	
26 05 33 13-1208	EA			2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	60.15 3.86 7.09	
26 05 33 13-1209	EA			2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	69.04 4.97 8.80	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

26 05 33 13-1210	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	79.45	
		<i>For Schedule 60, Add</i>	6.45	
		<i>For Schedule 80, Add</i>	11.05	
26 05 33 13-1211	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	95.48	
		<i>For Schedule 60, Add</i>	8.23	
		<i>For Schedule 80, Add</i>	13.86	
26 05 33 13-1212	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	111.60	
		<i>For Schedule 60, Add</i>	10.02	
		<i>For Schedule 80, Add</i>	16.71	
26 05 33 13-1213	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	139.68	
		<i>For Schedule 60, Add</i>	14.81	
		<i>For Schedule 80, Add</i>	23.75	
26 05 33 13-1214	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	161.61	
		<i>For Schedule 60, Add</i>	18.05	
		<i>For Schedule 80, Add</i>	28.63	

26 05 33 13-1215 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial

(26 05 33 13-1188)

See CSI section 26 05 33 13-1648 for conduit field bending.

26 05 33 13-1216	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	28.77	
		<i>For Schedule 60, Add</i>	1.61	
		<i>For Schedule 80, Add</i>	3.09	
26 05 33 13-1217	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	34.47	
		<i>For Schedule 60, Add</i>	1.91	
		<i>For Schedule 80, Add</i>	3.68	
26 05 33 13-1218	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	40.61	
		<i>For Schedule 60, Add</i>	2.33	
		<i>For Schedule 80, Add</i>	4.44	
26 05 33 13-1219	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	46.74	
		<i>For Schedule 60, Add</i>	2.75	
		<i>For Schedule 80, Add</i>	5.18	
26 05 33 13-1220	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	52.83	
		<i>For Schedule 60, Add</i>	3.15	
		<i>For Schedule 80, Add</i>	5.92	
26 05 33 13-1221	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	59.85	
		<i>For Schedule 60, Add</i>	3.79	
		<i>For Schedule 80, Add</i>	6.98	
26 05 33 13-1222	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	68.49	
		<i>For Schedule 60, Add</i>	4.83	
		<i>For Schedule 80, Add</i>	8.61	
26 05 33 13-1223	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	78.75	
		<i>For Schedule 60, Add</i>	6.28	
		<i>For Schedule 80, Add</i>	10.80	
26 05 33 13-1224	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	93.52	
		<i>For Schedule 60, Add</i>	7.74	
		<i>For Schedule 80, Add</i>	13.18	
26 05 33 13-1225	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	109.91	
		<i>For Schedule 60, Add</i>	9.60	
		<i>For Schedule 80, Add</i>	16.12	
26 05 33 13-1226	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	137.49	
		<i>For Schedule 60, Add</i>	14.26	
		<i>For Schedule 80, Add</i>	22.98	
26 05 33 13-1227	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	155.09	
		<i>For Schedule 60, Add</i>	16.42	
		<i>For Schedule 80, Add</i>	26.35	

26 05 33 13-1228 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial

(26 05 33 13-1188)

26 05 33 13-1229	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	16.04	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33 13-1230	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	18.41	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.36	
26 05 33 13-1231	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	20.84	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.03	
26 05 33 13-1232	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	23.34	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.70	
26 05 33 13-1233	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	25.68	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 05 33 13-1234	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	28.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.05	
26 05 33 13-1235	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	33.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.05	
26 05 33 13-1236	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	37.41	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.06	
26 05 33 13-1237	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	44.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.73	
26 05 33 13-1238	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	49.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.41	
26 05 33 13-1239	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	60.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.09	
26 05 33 13-1240	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	68.44	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.76	

26 05 33 13-1241 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial

(26 05 33 13-1188)

26 05 33 13-1242	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	16.58	
26 05 33 13-1243	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	19.06	

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

26 05 33 13-1244	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	21.53	
26 05 33 13-1245	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	27.35	
26 05 33 13-1246	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	30.22	
26 05 33 13-1247	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	33.09	
26 05 33 13-1248	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	37.15	
26 05 33 13-1249	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	42.33	
26 05 33 13-1250	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	49.89	
26 05 33 13-1251	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	55.70	
26 05 33 13-1252	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	67.68	
26 05 33 13-1253	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	75.81	

26 05 33 13-1254 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial (26 05 33 13-1188)

26 05 33 13-1255	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	15.97	
26 05 33 13-1256	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	18.41	
26 05 33 13-1257	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	20.75	
26 05 33 13-1258	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	23.19	
26 05 33 13-1259	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	25.54	
26 05 33 13-1260	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	28.18	
26 05 33 13-1261	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	32.65	
26 05 33 13-1262	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	36.89	
26 05 33 13-1263	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	43.39	
26 05 33 13-1264	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	49.18	
26 05 33 13-1265	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	59.36	
26 05 33 13-1266	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	66.82	

26 05 33 13-1267 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial (26 05 33 13-1187)

Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).

26 05 33 13-1268 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial (26 05 33 13-1267)

Note: Includes field bending for conduit up to 1".

26 05 33 13-1269	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	12.04	2.44
		<i>For >250 To 500, Deduct</i>	-0.44	
		<i>For >500 To 1,000, Deduct</i>	-0.74	
		<i>For >1,000, Deduct</i>	-1.04	
26 05 33 13-1270	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	13.51	3.03
		<i>For >250 To 500, Deduct</i>	-0.50	
		<i>For >500 To 1,000, Deduct</i>	-0.84	
		<i>For >1,000, Deduct</i>	-1.18	
26 05 33 13-1271	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	16.59	3.38
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500 To 1,000, Deduct</i>	-1.04	
		<i>For >1,000, Deduct</i>	-1.46	
26 05 33 13-1272	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	20.03	4.55
		<i>For >250 To 500, Deduct</i>	-0.77	
		<i>For >500 To 1,000, Deduct</i>	-1.27	
		<i>For >1,000, Deduct</i>	-1.77	
26 05 33 13-1273	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	23.50	5.13
		<i>For >250 To 500, Deduct</i>	-0.91	
		<i>For >500 To 1,000, Deduct</i>	-1.50	
		<i>For >1,000, Deduct</i>	-2.09	
26 05 33 13-1274	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	29.77	5.59
		<i>For >250 To 500, Deduct</i>	-1.17	
		<i>For >500 To 1,000, Deduct</i>	-1.91	
		<i>For >1,000, Deduct</i>	-2.66	
26 05 33 13-1275	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	43.19	8.39
		<i>For >250 To 500, Deduct</i>	-1.72	
		<i>For >500 To 1,000, Deduct</i>	-2.80	
		<i>For >1,000, Deduct</i>	-3.88	
26 05 33 13-1276	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	55.72	10.49
		<i>For >250 To 500, Deduct</i>	-2.20	
		<i>For >500 To 1,000, Deduct</i>	-3.60	
		<i>For >1,000, Deduct</i>	-4.99	
26 05 33 13-1277	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	68.78	11.07
		<i>For >250 To 500, Deduct</i>	-2.71	
		<i>For >500 To 1,000, Deduct</i>	-4.43	
		<i>For >1,000, Deduct</i>	-6.15	
26 05 33 13-1278	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	81.71	12.23
		<i>For >250 To 500, Deduct</i>	-3.21	
		<i>For >500 To 1,000, Deduct</i>	-5.25	
		<i>For >1,000, Deduct</i>	-7.30	
26 05 33 13-1279	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	127.11	16.90
		<i>For >250 To 500, Deduct</i>	-5.25	
		<i>For >500 To 1,000, Deduct</i>	-8.43	
		<i>For >1,000, Deduct</i>	-11.60	
26 05 33 13-1280	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	169.45	22.14
		<i>For >250 To 500, Deduct</i>	-7.07	
		<i>For >500 To 1,000, Deduct</i>	-11.31	
		<i>For >1,000, Deduct</i>	-15.55	

26 05 33 13-1281 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial (26 05 33 13-1267)

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1282	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	12.93	3.50
26 05 33 13-1283	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	15.55	4.66
26 05 33 13-1284	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	19.73	5.83
26 05 33 13-1285	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	22.25	6.41
26 05 33 13-1286	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	26.36	7.57
26 05 33 13-1287	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	33.88	8.73
26 05 33 13-1288	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	61.57	10.49
26 05 33 13-1289	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	78.43	14.56
26 05 33 13-1290	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	97.03	16.90
26 05 33 13-1291	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	120.55	23.31
26 05 33 13-1292	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	305.04	32.04
26 05 33 13-1293	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	305.27	18.06

26 05 33 13-1294 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial (26 05 33 13-1267)

Note: 90, 45, or 30 degree.

26 05 33 13-1295	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	49.95	14.56
26 05 33 13-1296	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	57.74	18.06
26 05 33 13-1297	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	69.06	22.14
26 05 33 13-1298	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	81.74	25.63
26 05 33 13-1299	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	95.70	29.13
26 05 33 13-1300	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	116.34	32.04
26 05 33 13-1301	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	178.84	40.20
26 05 33 13-1302	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	266.84	54.76
26 05 33 13-1303	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	329.94	61.75
26 05 33 13-1304	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	379.00	80.39
26 05 33 13-1305	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	788.00	131.09
26 05 33 13-1306	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	1,239.06	196.92

26 05 33 13-1307 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial (26 05 33 13-1267)

26 05 33 13-1308	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	118.14	22.14
26 05 33 13-1309	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	132.98	25.63
26 05 33 13-1310	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	151.80	29.13
26 05 33 13-1311	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	181.08	32.04
26 05 33 13-1312	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	252.11	40.20

26 05 33 13-1313 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial (26 05 33 13-1267)

26 05 33 13-1314	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	131.41	22.14
26 05 33 13-1315	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	154.91	25.63
26 05 33 13-1316	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	167.53	29.13
26 05 33 13-1317	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	215.37	32.04
26 05 33 13-1318	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	285.17	40.20
26 05 33 13-1319	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	364.91	54.76

26 05 33 13-1320 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial (26 05 33 13-1267)

26 05 33 13-1321	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	147.29	22.14
26 05 33 13-1322	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	166.33	25.63
26 05 33 13-1323	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	187.70	29.13
26 05 33 13-1324	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	226.74	32.04
26 05 33 13-1325	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	323.17	40.20

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1326	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	409.51	54.76
26 05 33 13-1327	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	516.75	61.75
26 05 33 13-1328	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	582.53	80.39
26 05 33 13-1329			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1330	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	174.70	22.14
26 05 33 13-1331	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	193.15	25.63
26 05 33 13-1332	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	218.15	29.13
26 05 33 13-1333	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	270.58	32.04
26 05 33 13-1334	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	391.17	40.20
26 05 33 13-1335	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	485.09	54.76
26 05 33 13-1336	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	562.90	61.75
26 05 33 13-1337	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	667.25	80.39
26 05 33 13-1338			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1339	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	196.03	22.14
26 05 33 13-1340	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	218.11	25.63
26 05 33 13-1341	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	248.11	29.13
26 05 33 13-1342	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	308.74	32.04
26 05 33 13-1343	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	428.27	40.20
26 05 33 13-1344	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	545.54	54.76
26 05 33 13-1345	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	675.10	61.75
26 05 33 13-1346	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	745.01	80.39
26 05 33 13-1347	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	1,242.00	131.09
26 05 33 13-1348			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1349	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	223.92	22.14
26 05 33 13-1350	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	248.26	25.63
26 05 33 13-1351	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	280.96	29.13
26 05 33 13-1352	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	351.06	32.04
26 05 33 13-1353	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	490.10	40.20
26 05 33 13-1354	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	622.57	54.76
26 05 33 13-1355	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	731.32	61.75
26 05 33 13-1356	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	845.41	80.39
26 05 33 13-1357	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,312.36	131.09
26 05 33 13-1358	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,795.01	196.92
26 05 33 13-1359			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1360	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	262.76	22.14
26 05 33 13-1361	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	275.14	25.63
26 05 33 13-1362	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	324.91	29.13
26 05 33 13-1363	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	409.98	32.04
26 05 33 13-1364	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	573.48	40.20

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 13-1365	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	726.40		54.76
26 05 33 13-1366	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	887.63		61.75
26 05 33 13-1367	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,040.71		80.39
26 05 33 13-1368	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,541.86		131.09
26 05 33 13-1369	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,900.36		196.92
26 05 33 13-1370 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>					
26 05 33 13-1371	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	272.11		22.14
26 05 33 13-1372	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	320.62		25.63
26 05 33 13-1373	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	362.93		29.13
26 05 33 13-1374	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	427.70		32.04
26 05 33 13-1375	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	594.30		40.20
26 05 33 13-1376	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	758.33		54.76
26 05 33 13-1377	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	972.75		61.75
26 05 33 13-1378	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,085.01		80.39
26 05 33 13-1379	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,603.52		131.09
26 05 33 13-1380	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,953.89		196.92
26 05 33 13-1381 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-1267)</small>					
26 05 33 13-1382	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	91.19		14.56
26 05 33 13-1383	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	99.31		18.06
26 05 33 13-1384	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	128.99		22.14
26 05 33 13-1385	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	187.61		25.63
26 05 33 13-1386	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	222.71		29.13
26 05 33 13-1387	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	283.25		32.04
26 05 33 13-1388	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	377.10		40.20
26 05 33 13-1389	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	489.45		40.20
26 05 33 13-1390	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	630.93		61.75
26 05 33 13-1391	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	812.32		80.39
26 05 33 13-1392	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,479.94		131.09
26 05 33 13-1393	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,844.19		196.92
26 05 33 13-1394 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial <small>(26 05 33 13-1267)</small>					
26 05 33 13-1395	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	93.29		14.56
26 05 33 13-1396	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	107.30		18.06
26 05 33 13-1397	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	133.24		22.14
26 05 33 13-1398	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	195.43		25.63
26 05 33 13-1399	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	233.56		29.13
26 05 33 13-1400	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	306.67		32.04
26 05 33 13-1401	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	427.21		40.20
26 05 33 13-1402	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	540.40		40.20
26 05 33 13-1403	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	723.05		61.75
26 05 33 13-1404	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	904.11		80.39

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1405	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,648.19	131.09
26 05 33 13-1406	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	2,115.87	196.92
26 05 33 13-1407			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1408	EA		1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	31.58	6.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.19	
26 05 33 13-1409	EA		3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.42	8.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33 13-1410	EA		1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.06	11.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.64	
26 05 33 13-1411	EA		1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	48.91	12.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.69	
26 05 33 13-1412	EA		1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	53.17	14.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33 13-1413	EA		1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.01	7.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1414	EA		3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.82	8.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33 13-1415	EA		1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	43.49	11.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.64	
26 05 33 13-1416	EA		1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	51.48	12.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.69	
26 05 33 13-1417	EA		1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	55.94	14.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33 13-1418	EA		2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	60.63	16.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.79	
26 05 33 13-1419	EA		1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.18	7.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1420	EA		3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.99	8.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33 13-1421	EA		1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	43.81	11.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.64	
26 05 33 13-1422	EA		1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	51.82	12.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.69	
26 05 33 13-1423	EA		1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	56.28	14.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33 13-1424	EA		2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	61.50	16.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.79	
26 05 33 13-1425	EA		1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.47	7.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1426	EA		3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	40.28	8.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33 13-1427	EA		1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	46.26	11.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.64	
26 05 33 13-1428	EA		1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	53.21	12.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.69	
26 05 33 13-1429	EA		1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	57.82	14.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33 13-1430	EA		2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	64.19	16.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.79	
26 05 33 13-1431	EA		2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	89.73	19.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.89	
26 05 33 13-1432	EA		3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	116.08	27.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.43	
26 05 33 13-1433	EA		1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.63	7.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1434	EA		3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	40.59	8.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1435	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.60	11.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.64	
26 05 33 13-1436	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.61	12.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.69	
26 05 33 13-1437	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.36	14.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33 13-1438	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.89	16.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.79	
26 05 33 13-1439	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	92.11	19.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.89	
26 05 33 13-1440	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	121.20	27.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.43	
26 05 33 13-1441	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	144.61	30.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 05 33 13-1442	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	169.05	40.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.12	
26 05 33 13-1443	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.95	7.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1444	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.93	8.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33 13-1445	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.96	11.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.64	
26 05 33 13-1446	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.26	12.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.69	
26 05 33 13-1447	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.03	14.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33 13-1448	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	68.35	16.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.79	
26 05 33 13-1449	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	101.59	19.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.89	
26 05 33 13-1450	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	128.87	27.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.43	
26 05 33 13-1451	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	146.25	30.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 05 33 13-1452	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	173.43	40.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.12	
26 05 33 13-1453	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	255.39	55.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.20	
26 05 33 13-1454	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.55	7.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1455	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.53	8.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33 13-1456	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.61	11.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.64	
26 05 33 13-1457	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.46	12.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.69	
26 05 33 13-1458	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.47	14.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33 13-1459	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	69.82	16.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.79	
26 05 33 13-1460	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	111.21	19.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.89	
26 05 33 13-1461	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	139.07	27.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.43	
26 05 33 13-1462	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	155.44	30.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 05 33 13-1463	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	188.91	40.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.12	
26 05 33 13-1464	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	278.55	55.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1465	EA		1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	39.49	7.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1466	EA		3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	42.44	8.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33 13-1467	EA		1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	49.05	11.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.64	
26 05 33 13-1468	EA		1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	56.77	12.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.69	
26 05 33 13-1469	EA		1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	64.41	14.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33 13-1470	EA		2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	76.99	16.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.79	
26 05 33 13-1471	EA		2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	123.04	19.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.89	
26 05 33 13-1472	EA		3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	153.01	27.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.43	
26 05 33 13-1473	EA		3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	178.42	30.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 05 33 13-1474	EA		4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	212.17	40.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.12	
26 05 33 13-1475	EA		5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	294.42	55.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.20	
26 05 33 13-1476	EA		1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	40.47	7.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1477	EA		3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	43.40	8.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33 13-1478	EA		1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	50.47	11.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.64	
26 05 33 13-1479	EA		1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	61.10	12.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.69	
26 05 33 13-1480	EA		1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	71.38	14.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33 13-1481	EA		2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	87.52	16.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.79	
26 05 33 13-1482	EA		2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	135.54	19.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.89	
26 05 33 13-1483	EA		3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	170.88	27.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.43	
26 05 33 13-1484	EA		3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	202.57	30.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 05 33 13-1485	EA		4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	252.85	40.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.12	
26 05 33 13-1486	EA		5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	326.09	55.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.20	
26 05 33 13-1487	EA		1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.48	7.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1488	EA		3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	44.53	8.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33 13-1489	EA		1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	54.07	11.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.64	
26 05 33 13-1490	EA		1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	68.22	12.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.69	
26 05 33 13-1491	EA		1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	79.82	14.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33 13-1492	EA		2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	95.98	16.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.79	
26 05 33 13-1493	EA		2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	152.23	19.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.89	
26 05 33 13-1494	EA		3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	197.67	27.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.43	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 13-1495	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	217.38	30.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		18.53	
26 05 33 13-1496	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	265.33	40.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		24.12	
26 05 33 13-1497	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	330.61	55.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		33.20	
26 05 33 13-1498		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1498)</small>			
		Note: Direct burial or encased application.			
26 05 33 13-1499		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1499)</small>			
26 05 33 13-1500	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	.....	5.64	1.45
		<i>For Work In Restricted Working Space, Add</i>		1.09	
26 05 33 13-1501	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	.....	6.18	1.56
		<i>For Work In Restricted Working Space, Add</i>		1.17	
26 05 33 13-1502	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	.....	6.59	1.67
		<i>For Work In Restricted Working Space, Add</i>		1.26	
26 05 33 13-1503	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	.....	6.99	1.79
		<i>For Work In Restricted Working Space, Add</i>		1.34	
26 05 33 13-1504	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	.....	7.49	1.90
		<i>For Work In Restricted Working Space, Add</i>		1.43	
26 05 33 13-1505	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	.....	7.84	2.01
		<i>For Work In Restricted Working Space, Add</i>		1.51	
26 05 33 13-1506	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	.....	8.67	2.12
		<i>For Work In Restricted Working Space, Add</i>		1.59	
26 05 33 13-1507	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	.....	9.63	2.23
		<i>For Work In Restricted Working Space, Add</i>		1.68	
26 05 33 13-1508	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	.....	10.41	2.34
		<i>For Work In Restricted Working Space, Add</i>		1.76	
26 05 33 13-1509	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	.....	11.20	2.46
		<i>For Work In Restricted Working Space, Add</i>		1.85	
26 05 33 13-1510	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	.....	12.73	2.57
		<i>For Work In Restricted Working Space, Add</i>		1.93	
26 05 33 13-1511	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	.....	14.60	2.68
		<i>For Work In Restricted Working Space, Add</i>		2.01	
26 05 33 13-1512		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1498)</small>			
26 05 33 13-1513	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	.....	65.18	11.17
		<i>For Work In Restricted Working Space, Add</i>		8.38	
		<i>For 24" Radius, Add</i>		4.19	
		<i>For 36" Radius, Add</i>		6.52	
		<i>For 48" Radius, Add</i>		8.85	
26 05 33 13-1514	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	.....	75.22	13.40
		<i>For Work In Restricted Working Space, Add</i>		10.06	
		<i>For 24" Radius, Add</i>		4.80	
		<i>For 36" Radius, Add</i>		7.52	
		<i>For 48" Radius, Add</i>		10.24	
26 05 33 13-1515	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	.....	81.24	15.65
		<i>For Work In Restricted Working Space, Add</i>		11.73	
		<i>For 24" Radius, Add</i>		5.12	
		<i>For 36" Radius, Add</i>		8.12	
		<i>For 48" Radius, Add</i>		11.13	
26 05 33 13-1516	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	.....	87.24	17.88
		<i>For Work In Restricted Working Space, Add</i>		13.41	
		<i>For 24" Radius, Add</i>		5.43	
		<i>For 36" Radius, Add</i>		8.72	
		<i>For 48" Radius, Add</i>		12.02	
26 05 33 13-1517	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	.....	93.25	20.11
		<i>For Work In Restricted Working Space, Add</i>		15.09	
		<i>For 24" Radius, Add</i>		5.74	
		<i>For 36" Radius, Add</i>		9.33	
		<i>For 48" Radius, Add</i>		12.91	
26 05 33 13-1518	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	.....	104.76	22.34
		<i>For Work In Restricted Working Space, Add</i>		16.76	
		<i>For 24" Radius, Add</i>		6.46	
		<i>For 36" Radius, Add</i>		10.48	
		<i>For 48" Radius, Add</i>		14.49	
26 05 33 13-1519	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	.....	119.97	24.59
		<i>For Work In Restricted Working Space, Add</i>		18.44	
		<i>For 24" Radius, Add</i>		7.46	
		<i>For 36" Radius, Add</i>		12.00	
		<i>For 48" Radius, Add</i>		16.53	

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

26 05 33 13-1520	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	137.26	26.82
			<i>For Work In Restricted Working Space, Add</i>	20.11	
			<i>For 24" Radius, Add</i>	8.62	
			<i>For 36" Radius, Add</i>	13.73	
			<i>For 48" Radius, Add</i>	18.83	
26 05 33 13-1521	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	157.21	31.28
			<i>For Work In Restricted Working Space, Add</i>	23.47	
			<i>For 24" Radius, Add</i>	9.84	
			<i>For 36" Radius, Add</i>	15.72	
			<i>For 48" Radius, Add</i>	21.61	
26 05 33 13-1522	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	177.16	40.22
			<i>For Work In Restricted Working Space, Add</i>	26.82	
			<i>For 24" Radius, Add</i>	11.05	
			<i>For 36" Radius, Add</i>	17.72	
			<i>For 48" Radius, Add</i>	24.38	
26 05 33 13-1523	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	210.27	40.22
			<i>For Work In Restricted Working Space, Add</i>	30.17	
			<i>For 24" Radius, Add</i>	13.26	
			<i>For 36" Radius, Add</i>	21.03	
			<i>For 48" Radius, Add</i>	28.80	
26 05 33 13-1524	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	248.88	44.70
			<i>For Work In Restricted Working Space, Add</i>	33.52	
			<i>For 24" Radius, Add</i>	15.87	
			<i>For 36" Radius, Add</i>	24.89	
			<i>For 48" Radius, Add</i>	33.90	

26 05 33 13-1525 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings (26 05 33 13-1498)

26 05 33 13-1526	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	31.07	6.26
			<i>For Work In Restricted Working Space, Add</i>	4.70	
26 05 33 13-1527	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	35.07	7.15
			<i>For Work In Restricted Working Space, Add</i>	5.36	
26 05 33 13-1528	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	37.47	8.05
			<i>For Work In Restricted Working Space, Add</i>	6.03	
26 05 33 13-1529	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	39.85	8.94
			<i>For Work In Restricted Working Space, Add</i>	6.70	
26 05 33 13-1530	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	42.45	9.83
			<i>For Work In Restricted Working Space, Add</i>	7.38	
26 05 33 13-1531	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	48.09	10.73
			<i>For Work In Restricted Working Space, Add</i>	8.05	
26 05 33 13-1532	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	55.77	12.06
			<i>For Work In Restricted Working Space, Add</i>	9.05	
26 05 33 13-1533	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	64.24	13.40
			<i>For Work In Restricted Working Space, Add</i>	10.06	
26 05 33 13-1534	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	73.67	15.65
			<i>For Work In Restricted Working Space, Add</i>	11.73	
26 05 33 13-1535	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	83.10	17.88
			<i>For Work In Restricted Working Space, Add</i>	13.41	
26 05 33 13-1536	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	98.29	20.11
			<i>For Work In Restricted Working Space, Add</i>	15.09	
26 05 33 13-1537	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	115.85	22.34
			<i>For Work In Restricted Working Space, Add</i>	16.76	

26 05 33 13-1538 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings (26 05 33 13-1498)

26 05 33 13-1539	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	24.35	6.26
			<i>For Work In Restricted Working Space, Add</i>	4.70	
26 05 33 13-1540	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	27.55	7.15
			<i>For Work In Restricted Working Space, Add</i>	5.36	
26 05 33 13-1541	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	29.88	8.05
			<i>For Work In Restricted Working Space, Add</i>	6.03	
26 05 33 13-1542	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	32.21	8.94
			<i>For Work In Restricted Working Space, Add</i>	6.70	
26 05 33 13-1543	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	34.57	9.83
			<i>For Work In Restricted Working Space, Add</i>	7.38	
26 05 33 13-1544	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	36.86	10.73
			<i>For Work In Restricted Working Space, Add</i>	8.05	
26 05 33 13-1545	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	42.21	12.06
			<i>For Work In Restricted Working Space, Add</i>	9.05	
26 05 33 13-1546	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	47.97	13.40
			<i>For Work In Restricted Working Space, Add</i>	10.06	
26 05 33 13-1547	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	55.37	15.65
			<i>For Work In Restricted Working Space, Add</i>	11.73	
26 05 33 13-1548	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	62.77	17.88
			<i>For Work In Restricted Working Space, Add</i>	13.41	
26 05 33 13-1549	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	72.89	20.11
			<i>For Work In Restricted Working Space, Add</i>	15.09	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1550	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	84.10	22.34
		<i>For Work In Restricted Working Space, Add</i>	16.76	
26 05 33 13-1551 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings <small>(26 05 33 13-1498)</small>				
26 05 33 13-1552	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	19.76	3.57
		<i>For Work In Restricted Working Space, Add</i>	2.68	
26 05 33 13-1553	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	22.08	4.02
		<i>For Work In Restricted Working Space, Add</i>	3.02	
26 05 33 13-1554	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	23.33	4.46
		<i>For Work In Restricted Working Space, Add</i>	3.35	
26 05 33 13-1555	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	24.52	4.92
		<i>For Work In Restricted Working Space, Add</i>	3.69	
26 05 33 13-1556	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	25.91	5.37
		<i>For Work In Restricted Working Space, Add</i>	4.02	
26 05 33 13-1557	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	30.54	6.26
		<i>For Work In Restricted Working Space, Add</i>	4.70	
26 05 33 13-1558	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	36.85	7.60
		<i>For Work In Restricted Working Space, Add</i>	5.70	
26 05 33 13-1559	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	43.77	8.94
		<i>For Work In Restricted Working Space, Add</i>	6.70	
26 05 33 13-1560	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	52.04	11.17
		<i>For Work In Restricted Working Space, Add</i>	8.38	
26 05 33 13-1561	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	60.30	13.40
		<i>For Work In Restricted Working Space, Add</i>	10.06	
26 05 33 13-1562	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	72.58	15.65
		<i>For Work In Restricted Working Space, Add</i>	11.73	
26 05 33 13-1563	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	86.55	17.88
		<i>For Work In Restricted Working Space, Add</i>	13.41	
26 05 33 13-1564 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints <small>(26 05 33 13-1498)</small>				
26 05 33 13-1565	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	67.79	22.34
		<i>For Work In Restricted Working Space, Add</i>	16.76	
26 05 33 13-1566	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	80.26	26.82
		<i>For Work In Restricted Working Space, Add</i>	20.11	
26 05 33 13-1567	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	91.59	31.28
		<i>For Work In Restricted Working Space, Add</i>	23.47	
26 05 33 13-1568	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	102.85	35.76
		<i>For Work In Restricted Working Space, Add</i>	26.82	
26 05 33 13-1569	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	108.74	37.99
		<i>For Work In Restricted Working Space, Add</i>	28.49	
26 05 33 13-1570	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	116.94	40.22
		<i>For Work In Restricted Working Space, Add</i>	30.17	
26 05 33 13-1571	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	125.81	42.46
		<i>For Work In Restricted Working Space, Add</i>	31.85	
26 05 33 13-1572	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	135.33	44.70
		<i>For Work In Restricted Working Space, Add</i>	33.52	
26 05 33 13-1573	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	143.87	46.93
		<i>For Work In Restricted Working Space, Add</i>	35.20	
26 05 33 13-1574	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	152.41	49.16
		<i>For Work In Restricted Working Space, Add</i>	36.88	
26 05 33 13-1575	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	165.36	51.40
		<i>For Work In Restricted Working Space, Add</i>	38.55	
26 05 33 13-1576	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	180.17	53.64
		<i>For Work In Restricted Working Space, Add</i>	40.23	
26 05 33 13-1577 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-1498)</small>				
26 05 33 13-1578	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	72.63	22.34
		<i>For Work In Restricted Working Space, Add</i>	16.76	
26 05 33 13-1579	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	85.69	26.82
		<i>For Work In Restricted Working Space, Add</i>	20.11	
26 05 33 13-1580	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	97.05	31.28
		<i>For Work In Restricted Working Space, Add</i>	23.47	
26 05 33 13-1581	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	108.36	35.76
		<i>For Work In Restricted Working Space, Add</i>	26.82	
26 05 33 13-1582	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	114.30	37.99
		<i>For Work In Restricted Working Space, Add</i>	28.49	
26 05 33 13-1583	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	123.29	40.22
		<i>For Work In Restricted Working Space, Add</i>	30.17	
26 05 33 13-1584	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	133.43	42.46
		<i>For Work In Restricted Working Space, Add</i>	31.85	
26 05 33 13-1585	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	144.48	44.70
		<i>For Work In Restricted Working Space, Add</i>	33.52	
26 05 33 13-1586	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	154.16	46.93
		<i>For Work In Restricted Working Space, Add</i>	35.20	
26 05 33 13-1587	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	163.85	49.16
		<i>For Work In Restricted Working Space, Add</i>	36.88	
26 05 33 13-1588	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	179.70	51.40
		<i>For Work In Restricted Working Space, Add</i>	38.55	
26 05 33 13-1589	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	198.09	53.64
		<i>For Work In Restricted Working Space, Add</i>	40.23	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

26 05 33 13-1590	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-1498)</small>		
26 05 33 13-1591	EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	55.51 4.70	6.26
26 05 33 13-1592	EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	62.16 5.36	7.15
26 05 33 13-1593	EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	65.75 6.03	8.05
26 05 33 13-1594	EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	69.40 6.70	8.94
26 05 33 13-1595	EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	72.38 7.38	9.83
26 05 33 13-1596	EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	79.16 8.05	10.73
26 05 33 13-1597	EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	92.98 9.05	12.06
26 05 33 13-1598	EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	108.85 10.06	13.40
26 05 33 13-1599	EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	123.87 11.73	15.65
26 05 33 13-1600	EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	138.88 13.41	17.88
26 05 33 13-1601	EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	168.05 15.09	20.11
26 05 33 13-1602	EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	202.15 16.76	22.34

26 05 33 13-1603	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-1498)</small>		
26 05 33 13-1604	EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	81.05 16.76	22.34
26 05 33 13-1605	EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	95.02 20.11	26.82
26 05 33 13-1606	EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	112.79 23.47	31.28
26 05 33 13-1607	EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	136.00 26.82	35.76
26 05 33 13-1608	EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	158.87 28.49	37.99
26 05 33 13-1609	EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	195.25 30.17	40.22
26 05 33 13-1610	EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	255.15 31.85	42.46
26 05 33 13-1611	EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	296.50 33.52	44.70
26 05 33 13-1612	EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	344.56 35.20	46.93
26 05 33 13-1613	EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	392.62 36.88	49.16
26 05 33 13-1614	EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	448.86 38.55	51.40
26 05 33 13-1615	EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	677.95 40.23	53.64

26 05 33 13-1616	Spacers <small>(26 05 33 13-1187)</small>		
Note: For concrete encasement applications. See CSI section 03 31 13 00-0032 for concrete., 26 05 33 13-1187 for conduit.			
26 05 33 13-1617	EA 1" Base Spacers, Average 4" Wide, Direct Burial	11.34	
26 05 33 13-1618	EA 1" Intermediate Spacers, Average 4" Wide, Direct Burial	12.25	
26 05 33 13-1619	EA 1-1/4" Base Spacer, Average 4" Wide, Direct Burial	13.55	
26 05 33 13-1620	EA 1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	14.65	
26 05 33 13-1621	EA 1-1/2" Base Spacer, Average 4" Wide, Direct Burial	13.63	
26 05 33 13-1622	EA 1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	14.71	
26 05 33 13-1623	EA 2" Base Spacer, Average 4" Wide, Direct Burial	17.05	
26 05 33 13-1624	EA 2" Intermediate Spacers, Average 4" Wide, Direct Burial	15.84	
26 05 33 13-1625	EA 2-1/2" Base Spacer, Average 4" Wide, Direct Burial	18.88	
26 05 33 13-1626	EA 2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	18.24	
26 05 33 13-1627	EA 3" Base Spacer, Average 4" Wide, Direct Burial	21.67	
26 05 33 13-1628	EA 3" Intermediate Spacers, Average 4" Wide, Direct Burial	20.64	
26 05 33 13-1629	EA 3-1/2" Base Spacer, Average 4" Wide, Direct Burial	23.48	
26 05 33 13-1630	EA 3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	22.42	
26 05 33 13-1631	EA 4" Base Spacer, Average 4" Wide, Direct Burial	24.16	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1632	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	23.05	
26 05 33 13-1633	EA	5" Base Spacer, Average 4" Wide, Direct Burial	26.70	
26 05 33 13-1634	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	25.38	
26 05 33 13-1635	EA	6" Base Spacer, Average 4" Wide, Direct Burial	29.74	
26 05 33 13-1636	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	28.65	

26 05 33 13-1637 Conduit Field Bending (26 05 33 13-0057)**26 05 33 13-1638 Metallic Conduit Field Bending** (26 05 33 13-1637)

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.

26 05 33 13-1639	EA	1-1/4" Metallic Conduit Field Bending	19.47	
26 05 33 13-1640	EA	1-1/2" Metallic Conduit Field Bending	25.97	
26 05 33 13-1641	EA	2" Metallic Conduit Field Bending	32.46	
26 05 33 13-1642	EA	2-1/2" Metallic Conduit Field Bending	45.44	
26 05 33 13-1643	EA	3" Metallic Conduit Field Bending	58.42	
26 05 33 13-1644	EA	3-1/2" Metallic Conduit Field Bending	71.41	
26 05 33 13-1645	EA	4" Metallic Conduit Field Bending	84.40	
26 05 33 13-1646	EA	5" Metallic Conduit Field Bending	103.87	
26 05 33 13-1647	EA	6" Metallic Conduit Field Bending	123.35	

26 05 33 13-1648 Plastic Conduit Field Bending (26 05 33 13-1637)

Note: For PVC conduits.

26 05 33 13-1649	EA	1" Plastic Conduit Field Bending	29.86	
26 05 33 13-1650	EA	1-1/4" Plastic Conduit Field Bending	32.46	
26 05 33 13-1651	EA	1-1/2" Plastic Conduit Field Bending	38.95	
26 05 33 13-1652	EA	2" Plastic Conduit Field Bending	51.93	
26 05 33 13-1653	EA	2-1/2" Plastic Conduit Field Bending	64.91	
26 05 33 13-1654	EA	3" Plastic Conduit Field Bending	77.91	
26 05 33 13-1655	EA	3-1/2" Plastic Conduit Field Bending	90.89	
26 05 33 13-1656	EA	4" Plastic Conduit Field Bending	103.87	
26 05 33 13-1657	EA	5" Plastic Conduit Field Bending	116.86	
26 05 33 13-1658	EA	6" Plastic Conduit Field Bending	129.84	

26 05 33 13-1659 Cut And Thread Existing In-Place Threaded Conduit (26 05 33 13-0057)

Note: For use when connecting conduit to an existing in-place system.

26 05 33 13-1660	EA	1/2", Cut And Thread Existing In-Place Threaded Conduit	38.28	
		<i>For Work In Restricted Working Space, Add</i>	11.48	
26 05 33 13-1661	EA	3/4", Cut And Thread Existing In-Place Threaded Conduit	42.11	
		<i>For Work In Restricted Working Space, Add</i>	12.63	
26 05 33 13-1662	EA	1", Cut And Thread Existing In-Place Threaded Conduit	45.94	
		<i>For Work In Restricted Working Space, Add</i>	13.78	
26 05 33 13-1663	EA	1-1/4", Cut And Thread Existing In-Place Threaded Conduit	49.77	
		<i>For Work In Restricted Working Space, Add</i>	14.93	
26 05 33 13-1664	EA	1-1/2", Cut And Thread Existing In-Place Threaded Conduit	52.31	
		<i>For Work In Restricted Working Space, Add</i>	15.69	
26 05 33 13-1665	EA	2", Cut And Thread Existing In-Place Threaded Conduit	54.87	
		<i>For Work In Restricted Working Space, Add</i>	16.46	
26 05 33 13-1666	EA	2-1/2", Cut And Thread Existing In-Place Threaded Conduit	57.42	
		<i>For Work In Restricted Working Space, Add</i>	17.23	
26 05 33 13-1667	EA	3", Cut And Thread Existing In-Place Threaded Conduit	59.97	
		<i>For Work In Restricted Working Space, Add</i>	17.99	
26 05 33 13-1668	EA	3-1/2", Cut And Thread Existing In-Place Threaded Conduit	61.24	
		<i>For Work In Restricted Working Space, Add</i>	18.37	
26 05 33 13-1669	EA	4", Cut And Thread Existing In-Place Threaded Conduit	62.52	
		<i>For Work In Restricted Working Space, Add</i>	18.76	
26 05 33 13-1670	EA	5", Cut And Thread Existing In-Place Threaded Conduit	65.07	
		<i>For Work In Restricted Working Space, Add</i>	19.52	
26 05 33 13-1671	EA	6", Cut And Thread Existing In-Place Threaded Conduit	67.62	
		<i>For Work In Restricted Working Space, Add</i>	20.29	

26 05 33 13-1672 Flexible Conduit (26 05 33 13-0057)**26 05 33 13-1673 Flexible Liquid Tight Metallic Conduit And Connectors** (26 05 33 13-1672)

Note: Steel inner core with PVC cover.

26 05 33 13-1674 Flexible Liquid Tight Metallic Conduit (26 05 33 13-1673)

26 05 33 13-1675	LF	3/8" Flexible Liquid Tight Metallic Conduit	4.43	1.40
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.53	
		<i>For Work In Restricted Working Space, Add</i>	1.05	
26 05 33 13-1676	LF	1/2" Flexible Liquid Tight Metallic Conduit	4.57	1.40
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.53	
		<i>For Work In Restricted Working Space, Add</i>	1.05	
26 05 33 13-1677	LF	3/4" Flexible Liquid Tight Metallic Conduit	6.11	1.86
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.70	
		<i>For Work In Restricted Working Space, Add</i>	1.40	
26 05 33 13-1678	LF	1" Flexible Liquid Tight Metallic Conduit	6.85	1.86
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.70	
		<i>For Work In Restricted Working Space, Add</i>	1.40	
26 05 33 13-1679	LF	1-1/4" Flexible Liquid Tight Metallic Conduit	8.81	2.33
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.87	
		<i>For Work In Restricted Working Space, Add</i>	1.75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1680 LF 1-1/2" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	11.17 1.05 2.10	2.79
26 05 33 13-1681 LF 2" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	14.74 1.40 2.80	3.73
26 05 33 13-1682 LF 2-1/2" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	19.43 1.57 3.15	4.20
26 05 33 13-1683 LF 3" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	27.86 1.92 3.85	5.13
26 05 33 13-1684 LF 4" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	37.78 2.45 4.90	6.52
26 05 33 13-1685 Straight Liquid Tight Connector <small>(26 05 33 13-1673)</small>		
26 05 33 13-1686 EA 3/8" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.98 2.80 2.80	3.73
26 05 33 13-1687 EA 1/2" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.98 2.80 2.80	3.73
26 05 33 13-1688 EA 3/4" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.29 3.15 3.15	4.20
26 05 33 13-1689 EA 1" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.43 3.50 3.50	4.66
26 05 33 13-1690 EA 1-1/4" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.07 3.85 3.85	5.13
26 05 33 13-1691 EA 1-1/2" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.61 4.19 4.19	5.59
26 05 33 13-1692 EA 2" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.60 4.90 4.90	6.52
26 05 33 13-1693 EA 2-1/2" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.14 6.29 6.29	8.39
26 05 33 13-1694 EA 3" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.11 6.64 6.64	8.85
26 05 33 13-1695 EA 4" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	192.62 9.79 9.79	13.05
26 05 33 13-1696 90 Degree Angle Liquid Tight Connector <small>(26 05 33 13-1673)</small>		
26 05 33 13-1697 EA 3/8" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.25 3.85 3.85	5.13
26 05 33 13-1698 EA 1/2" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.82 3.85 3.85	5.13
26 05 33 13-1699 EA 3/4" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00 4.19 4.19	5.59
26 05 33 13-1700 EA 1" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.26 4.90 4.90	6.52
26 05 33 13-1701 EA 1-1/4" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.47 5.24 5.24	6.99
26 05 33 13-1702 EA 1-1/2" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.88 5.59 5.59	7.45
26 05 33 13-1703 EA 2" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.74 6.29 6.29	8.39
26 05 33 13-1704 EA 2-1/2" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.63 6.64 6.64	8.85
26 05 33 13-1705 EA 3" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	199.11 7.69 7.69	10.26
26 05 33 13-1706 EA 4" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	276.92 12.23 12.23	16.32
26 05 33 13-1707 45 Degree Angle Connector <small>(26 05 33 13-1673)</small>		
26 05 33 13-1708 EA 3/8" 45 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.06 3.85 3.85	5.13

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1709	EA 1/2" 45 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.19 3.85 3.85	5.13
26 05 33 13-1710	EA 3/4" 45 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00 4.19 4.19	5.59
26 05 33 13-1711	EA 1" 45 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.81 4.90 4.90	6.52
26 05 33 13-1712	EA 1-1/4" 45 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.46 5.24 5.24	6.99
26 05 33 13-1713	EA 1-1/2" 45 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.11 5.59 5.59	7.45
26 05 33 13-1714	Flexible Metallic Conduit And Connectors (26 05 33 13-1672)		
26 05 33 13-1715	Flexible Steel Conduit (26 05 33 13-1714)		
26 05 33 13-1716	LF 3/8" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	4.15 0.07 0.56 0.37 0.94 1.12	1.53
26 05 33 13-1717	LF 1/2" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	4.28 0.07 0.57 0.38 0.96 1.15	1.53
26 05 33 13-1718	LF 3/4" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	4.77 0.10 0.62 0.42 1.04 1.25	2.04
26 05 33 13-1719	LF 1" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	5.62 0.19 0.67 0.45 1.12 1.34	2.04
26 05 33 13-1720	LF 1-1/4" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	6.23 0.25 0.71 0.47 1.18 1.42	2.55
26 05 33 13-1721	LF 1-1/2" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	7.55 0.44 0.74 0.49 1.23 1.47	3.05
26 05 33 13-1722	LF 2" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	8.34 0.53 0.77 0.51 1.28 1.53	4.08
26 05 33 13-1723	LF 2-1/2" Flexible Steel Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	10.29 0.65 0.96 0.64 1.59 1.91	4.59
26 05 33 13-1724	LF 3" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	14.46 1.12 1.15 0.77 1.91 2.30	5.61
26 05 33 13-1725	LF 3-1/2" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	17.50 1.42 1.34 0.89 2.23 2.68	6.12
26 05 33 13-1726	LF 4" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	20.09 1.63 1.53 1.02 2.55 3.06	7.14

26 05 33 13-1727 Plain Squeeze Type Straight Connector (26 05 33 13-1714)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1728	EA		3/8" Flexible Straight Connectors, Plain.....	6.78	4.08
			<i>For Work In Restricted Working Space, Add</i>	1.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.72	
26 05 33 13-1729	EA		1/2" Flexible Straight Connectors, Plain.....	8.03	4.59
			<i>For Work In Restricted Working Space, Add</i>	1.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.91	
26 05 33 13-1730	EA		3/4" Flexible Straight Connectors, Plain.....	9.40	5.61
			<i>For Work In Restricted Working Space, Add</i>	2.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 33 13-1731	EA		1" Flexible Straight Connectors, Plain.....	14.02	6.12
			<i>For Work In Restricted Working Space, Add</i>	3.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 05 33 13-1732	EA		1-1/4" Flexible Straight Connectors, Plain.....	19.03	7.14
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33 13-1733	EA		1-1/2" Flexible Straight Connectors, Plain.....	24.64	8.66
			<i>For Work In Restricted Working Space, Add</i>	4.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.78	
26 05 33 13-1734	EA		2" Flexible Straight Connectors, Plain.....	31.51	8.66
			<i>For Work In Restricted Working Space, Add</i>	5.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.74	
26 05 33 13-1735	EA		2-1/2" Flexible Straight Connectors, Plain.....	46.65	10.71
			<i>For Work In Restricted Working Space, Add</i>	6.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.69	
26 05 33 13-1736	EA		3" Flexible Straight Connectors, Plain.....	59.24	11.73
			<i>For Work In Restricted Working Space, Add</i>	7.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 05 33 13-1737	EA		3-1/2" Flexible Straight Connectors, Plain.....	159.21	13.77
			<i>For Work In Restricted Working Space, Add</i>	8.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33 13-1738	EA		4" Flexible Straight Connectors, Plain.....	197.00	16.82
			<i>For Work In Restricted Working Space, Add</i>	9.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.56	
26 05 33 13-1739			Insulated Throat Squeeze Type Straight Connector <small>(26 05 33 13-1714)</small>		
26 05 33 13-1740	EA		1/2" Flexible Straight Connectors, Insulated.....	8.60	4.59
			<i>For Work In Restricted Working Space, Add</i>	1.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.91	
26 05 33 13-1741	EA		3/4" Flexible Straight Connectors, Insulated.....	10.15	5.61
			<i>For Work In Restricted Working Space, Add</i>	2.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 33 13-1742	EA		1" Flexible Straight Connectors, Insulated.....	15.04	6.12
			<i>For Work In Restricted Working Space, Add</i>	3.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 05 33 13-1743	EA		1-1/4" Flexible Straight Connectors, Insulated.....	20.90	7.14
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33 13-1744	EA		1-1/2" Flexible Straight Connectors, Insulated.....	27.97	7.65
			<i>For Work In Restricted Working Space, Add</i>	4.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.78	
26 05 33 13-1745	EA		2" Flexible Straight Connectors, Insulated.....	37.39	8.66
			<i>For Work In Restricted Working Space, Add</i>	5.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.74	
26 05 33 13-1746	EA		2-1/2" Flexible Straight Connectors, Insulated.....	59.23	10.71
			<i>For Work In Restricted Working Space, Add</i>	6.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.69	
26 05 33 13-1747	EA		3" Flexible Straight Connectors, Insulated.....	74.08	11.73
			<i>For Work In Restricted Working Space, Add</i>	7.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 05 33 13-1748	EA		3-1/2" Flexible Straight Connectors, Insulated.....	182.08	13.77
			<i>For Work In Restricted Working Space, Add</i>	8.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33 13-1749	EA		4" Flexible Straight Connectors, Insulated.....	231.39	16.82
			<i>For Work In Restricted Working Space, Add</i>	9.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.56	
26 05 33 13-1750			Plain Squeeze Type 90 Degree Connector <small>(26 05 33 13-1714)</small>		
26 05 33 13-1751	EA		3/8" Flexible 90 Degree Connector, Plain.....	9.32	5.10
			<i>For Work In Restricted Working Space, Add</i>	2.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 33 13-1752	EA		1/2" Flexible 90 Degree Connector, Plain.....	11.72	5.61
			<i>For Work In Restricted Working Space, Add</i>	2.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.68	
26 05 33 13-1753	EA		3/4" Flexible 90 Degree Connector, Plain.....	14.57	6.12
			<i>For Work In Restricted Working Space, Add</i>	3.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 05 33 13-1754	EA		1" Flexible 90 Degree Connector, Plain.....	19.67	7.14
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33 13-1755	EA		1-1/4" Flexible 90 Degree Connector, Plain.....	28.42	7.65
			<i>For Work In Restricted Working Space, Add</i>	4.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.59	
26 05 33 13-1756	EA		1-1/2" Flexible 90 Degree Connector, Plain.....	42.07	8.92
			<i>For Work In Restricted Working Space, Add</i>	5.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.74	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1757	EA 2" Flexible 90 Degree Connector, Plain	50.06	10.97
	<i>For Work In Restricted Working Space, Add</i>	6.50	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50	
26 05 33 13-1758	EA 2-1/2" Flexible 90 Degree Connector, Plain	99.48	11.73
	<i>For Work In Restricted Working Space, Add</i>	7.65	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 05 33 13-1759	EA 3" Flexible 90 Degree Connector, Plain	125.82	13.77
	<i>For Work In Restricted Working Space, Add</i>	8.60	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33 13-1760	EA 3-1/2" Flexible 90 Degree Connector, Plain	252.77	16.82
	<i>For Work In Restricted Working Space, Add</i>	9.56	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.56	
26 05 33 13-1761	EA 4" Flexible 90 Degree Connector, Plain	442.46	19.12
	<i>For Work In Restricted Working Space, Add</i>	11.47	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.47	
26 05 33 13-1762 Insulated Throat Squeeze Type 90 Degree Connector (26 05 33 13-1714)			
26 05 33 13-1763	EA 1/2" Flexible 90 Degree Connector, Insulated.....	12.51	5.61
	<i>For Work In Restricted Working Space, Add</i>	2.68	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.68	
26 05 33 13-1764	EA 3/4" Flexible 90 Degree Connector, Insulated.....	15.55	6.12
	<i>For Work In Restricted Working Space, Add</i>	3.06	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 05 33 13-1765	EA 1" Flexible 90 Degree Connector, Insulated.....	19.67	7.14
	<i>For Work In Restricted Working Space, Add</i>	3.83	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33 13-1766	EA 1-1/4" Flexible 90 Degree Connector, Insulated	31.90	7.65
	<i>For Work In Restricted Working Space, Add</i>	4.59	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.59	
26 05 33 13-1767	EA 1-1/2" Flexible 90 Degree Connector, Insulated	48.38	8.92
	<i>For Work In Restricted Working Space, Add</i>	5.74	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.74	
26 05 33 13-1768	EA 2" Flexible 90 Degree Connector, Insulated.....	60.31	10.97
	<i>For Work In Restricted Working Space, Add</i>	6.50	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50	
26 05 33 13-1769	EA 2-1/2" Flexible 90 Degree Connector, Insulated	131.53	11.73
	<i>For Work In Restricted Working Space, Add</i>	7.65	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 05 33 13-1770	EA 3" Flexible 90 Degree Connector, Insulated.....	160.54	13.77
	<i>For Work In Restricted Working Space, Add</i>	8.60	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33 13-1771	EA 3-1/2" Flexible 90 Degree Connector, Insulated	410.13	16.82
	<i>For Work In Restricted Working Space, Add</i>	9.56	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.56	
26 05 33 13-1772	EA 4" Flexible 90 Degree Connector, Insulated.....	607.28	19.12
	<i>For Work In Restricted Working Space, Add</i>	11.47	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.47	
26 05 33 13-1773 Plain Squeeze Type 45 Degree Connector (26 05 33 13-1714)			
26 05 33 13-1774	EA 3/8" Flexible 45 Degree Connector, Plain	9.96	5.10
	<i>For Work In Restricted Working Space, Add</i>	2.30	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 33 13-1775	EA 1/2" Flexible 45 Degree Connector, Plain	12.74	5.61
	<i>For Work In Restricted Working Space, Add</i>	2.68	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.68	
26 05 33 13-1776	EA 3/4" Flexible 45 Degree Connector, Plain	15.72	6.12
	<i>For Work In Restricted Working Space, Add</i>	3.06	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 05 33 13-1777 Insulated Squeeze Type 45 Degree Connector (26 05 33 13-1714)			
26 05 33 13-1778	EA 3/8" Flexible 45 Degree Connector, Insulated.....	10.40	6.12
	<i>For Work In Restricted Working Space, Add</i>	2.30	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 33 13-1779	EA 1/2" Flexible 45 Degree Connector, Insulated.....	13.47	5.61
	<i>For Work In Restricted Working Space, Add</i>	2.68	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.68	
26 05 33 13-1780	EA 3/4" Flexible 45 Degree Connector, Insulated.....	16.74	6.12
	<i>For Work In Restricted Working Space, Add</i>	3.06	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 05 33 13-1781 Plain Screw-In Connector (26 05 33 13-1714)			
26 05 33 13-1782	EA 3/8" Flexible Steel Screw-in Connector, Plain.....	6.13	4.08
	<i>For Work In Restricted Working Space, Add</i>	1.72	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.72	
26 05 33 13-1783	EA 1/2" Flexible Steel Screw-in Connector, Plain.....	6.69	4.59
	<i>For Work In Restricted Working Space, Add</i>	1.91	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.91	
26 05 33 13-1784	EA 3/4" Flexible Steel Screw-in Connector, Plain.....	8.30	5.61
	<i>For Work In Restricted Working Space, Add</i>	2.30	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 33 13-1785	EA 1" Flexible Steel Screw-in Connector, Plain.....	11.50	6.12
	<i>For Work In Restricted Working Space, Add</i>	3.06	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1786 EA 1-1/4" Flexible Steel Screw-in Connector, Plain	15.81	7.14
For Work In Restricted Working Space, Add	3.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.83	
26 05 33 13-1787 EA 1-1/2" Flexible Steel Screw-in Connector, Plain	19.49	7.65
For Work In Restricted Working Space, Add	4.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.78	
26 05 33 13-1788 EA 2" Flexible Steel Screw-in Connector, Plain.....	26.52	8.66
For Work In Restricted Working Space, Add	5.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.74	
26 05 33 13-1789 Insulated Screw-In Connector (26 05 33 13-1714)		
26 05 33 13-1790 EA 3/8" Flexible Steel Screw-in Connector, Insulated	6.32	4.08
For Work In Restricted Working Space, Add	1.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.72	
26 05 33 13-1791 EA 1/2" Flexible Steel Screw-in Connector, Insulated	6.84	4.59
For Work In Restricted Working Space, Add	1.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.91	
26 05 33 13-1792 EA 3/4" Flexible Steel Screw-in Connector, Insulated	8.69	5.61
For Work In Restricted Working Space, Add	2.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.30	
26 05 33 13-1793 EA 1" Flexible Steel Screw-in Connector, Insulated	12.09	6.12
For Work In Restricted Working Space, Add	3.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.06	
26 05 33 13-1794 EA 1-1/4" Flexible Steel Screw-in Connector, Insulated	16.65	7.14
For Work In Restricted Working Space, Add	3.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.83	
26 05 33 13-1795 EA 1-1/2" Flexible Steel Screw-in Connector, Insulated	20.50	7.65
For Work In Restricted Working Space, Add	4.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.78	
26 05 33 13-1796 EA 2" Flexible Steel Screw-in Connector, Insulated	27.41	8.66
For Work In Restricted Working Space, Add	5.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.74	
26 05 33 13-1797 Screw-In Coupling (26 05 33 13-1714)		
26 05 33 13-1798 EA 1/2" Flexible Steel Screw-in Coupling	7.06	4.59
For Work In Restricted Working Space, Add	1.91	
26 05 33 13-1799 EA 3/4" Flexible Steel Screw-in Coupling	8.91	5.61
For Work In Restricted Working Space, Add	2.30	
26 05 33 13-1800 Flexible To Electrical Metallic Tubing (EMT) Coupling (26 05 33 13-1714)		
26 05 33 13-1801 EA 3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	8.09	4.08
For Work In Restricted Working Space, Add	1.72	
26 05 33 13-1802 EA 1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	10.29	4.59
For Work In Restricted Working Space, Add	1.91	
26 05 33 13-1803 EA 3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	13.23	5.61
For Work In Restricted Working Space, Add	2.30	
26 05 33 13-1804 Die Cast Squeeze Type Straight Connector (26 05 33 13-1714)		
26 05 33 13-1805 EA 3/8" Flexible Straight Connector, Die Cast.....	6.24	4.08
For Work In Restricted Working Space, Add	1.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.72	
26 05 33 13-1806 EA 1/2" Flexible Straight Connector, Die Cast.....	7.00	4.59
For Work In Restricted Working Space, Add	1.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.91	
26 05 33 13-1807 EA 3/4" Flexible Straight Connector, Die Cast.....	8.56	5.61
For Work In Restricted Working Space, Add	2.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.30	
26 05 33 13-1808 EA 1" Flexible Straight Connector, Die Cast.....	12.22	6.12
For Work In Restricted Working Space, Add	3.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.06	
26 05 33 13-1809 EA 1-1/4" Flexible Straight Connector, Die Cast	15.99	7.14
For Work In Restricted Working Space, Add	3.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.83	
26 05 33 13-1810 EA 1-1/2" Flexible Straight Connector, Die Cast	21.02	7.65
For Work In Restricted Working Space, Add	4.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.78	
26 05 33 13-1811 EA 2" Flexible Straight Connector, Die Cast.....	26.44	8.66
For Work In Restricted Working Space, Add	5.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.74	
26 05 33 13-1812 Die Cast Squeeze Type 90 Degree Connector (26 05 33 13-1714)		
26 05 33 13-1813 EA 3/8" Flexible 90 Degree Connector, Die Cast	8.29	5.10
For Work In Restricted Working Space, Add	2.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.30	
26 05 33 13-1814 EA 1/2" Flexible 90 Degree Connector, Die Cast	10.00	5.61
For Work In Restricted Working Space, Add	2.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.68	
26 05 33 13-1815 EA 3/4" Flexible 90 Degree Connector, Die Cast	11.82	6.12
For Work In Restricted Working Space, Add	3.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.06	
26 05 33 13-1816 EA 1" Flexible 90 Degree Connector, Die Cast.....	17.04	7.14
For Work In Restricted Working Space, Add	3.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.83	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1817	EA		1-1/4" Flexible 90 Degree Connector, Die Cast	22.79	7.65
			<i>For Work In Restricted Working Space, Add</i>	4.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.59	
26 05 33 13-1818	EA		1-1/2" Flexible 90 Degree Connector, Die Cast	33.11	8.92
			<i>For Work In Restricted Working Space, Add</i>	5.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.74	
26 05 33 13-1819	EA		2" Flexible 90 Degree Connector, Die Cast	39.00	10.97
			<i>For Work In Restricted Working Space, Add</i>	6.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50	
26 05 33 13-1820			Flexible Liquid Tight Non-Metallic Conduit And Connectors (26 05 33 13-1820)		
26 05 33 13-1821			Flexible Liquid Tight Non-Metallic Conduit (26 05 33 13-1820)		
26 05 33 13-1822	LF		3/8" Flexible Liquid Tight Non-Metallic Conduit	4.03	1.40
			<i>For Work In Restricted Working Space, Add</i>	1.05	
26 05 33 13-1823	LF		1/2" Flexible Liquid Tight Non-Metallic Conduit	4.08	1.40
			<i>For Work In Restricted Working Space, Add</i>	1.05	
26 05 33 13-1824	LF		3/4" Flexible Liquid Tight Non-Metallic Conduit	5.46	1.86
			<i>For Work In Restricted Working Space, Add</i>	1.40	
26 05 33 13-1825	LF		1" Flexible Liquid Tight Non-Metallic Conduit	6.28	1.86
			<i>For Work In Restricted Working Space, Add</i>	1.40	
26 05 33 13-1826	LF		1-1/4" Flexible Liquid Tight Non-Metallic Conduit	7.94	2.33
			<i>For Work In Restricted Working Space, Add</i>	1.75	
26 05 33 13-1827	LF		1-1/2" Flexible Liquid Tight Non-Metallic Conduit	9.92	2.79
			<i>For Work In Restricted Working Space, Add</i>	2.10	
26 05 33 13-1828	LF		2" Flexible Liquid Tight Non-Metallic Conduit	12.90	3.73
			<i>For Work In Restricted Working Space, Add</i>	2.80	
26 05 33 13-1829			Liquid Tight Non-Metallic Straight Connector (26 05 33 13-1820)		
26 05 33 13-1830	EA		3/8" Liquid Tight Non-Metallic Straight Connector	11.30	3.73
			<i>For Work In Restricted Working Space, Add</i>	2.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.80	
26 05 33 13-1831	EA		1/2" Liquid Tight Non-Metallic Straight Connector	11.30	3.73
			<i>For Work In Restricted Working Space, Add</i>	2.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.80	
26 05 33 13-1832	EA		3/4" Liquid Tight Non-Metallic Straight Connector	13.41	4.20
			<i>For Work In Restricted Working Space, Add</i>	3.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.15	
26 05 33 13-1833	EA		1" Liquid Tight Non-Metallic Straight Connector	16.03	4.66
			<i>For Work In Restricted Working Space, Add</i>	3.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33 13-1834	EA		1-1/4" Liquid Tight Non-Metallic Straight Connector	20.69	5.13
			<i>For Work In Restricted Working Space, Add</i>	3.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.85	
26 05 33 13-1835	EA		1-1/2" Liquid Tight Non-Metallic Straight Connector	24.93	5.59
			<i>For Work In Restricted Working Space, Add</i>	4.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.19	
26 05 33 13-1836	EA		2" Liquid Tight Non-Metallic Straight Connector	36.41	6.52
			<i>For Work In Restricted Working Space, Add</i>	4.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.90	
26 05 33 13-1837			Liquid Tight Non-Metallic 90 Degree Angle Connector (26 05 33 13-1820)		
26 05 33 13-1838	EA		3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector	16.03	5.13
			<i>For Work In Restricted Working Space, Add</i>	3.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.85	
26 05 33 13-1839	EA		1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	16.03	5.13
			<i>For Work In Restricted Working Space, Add</i>	3.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.85	
26 05 33 13-1840	EA		3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	18.91	5.59
			<i>For Work In Restricted Working Space, Add</i>	4.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.19	
26 05 33 13-1841	EA		1" Liquid Tight Non-Metallic 90 Degree Angle Connector	25.23	6.52
			<i>For Work In Restricted Working Space, Add</i>	4.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.90	
26 05 33 13-1842	EA		1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	26.34	6.99
			<i>For Work In Restricted Working Space, Add</i>	5.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33 13-1843	EA		1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	37.64	7.45
			<i>For Work In Restricted Working Space, Add</i>	5.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.59	
26 05 33 13-1844	EA		2" Liquid Tight Non-Metallic 90 Degree Angle Connector	48.78	8.39
			<i>For Work In Restricted Working Space, Add</i>	6.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 33 13-1845			Liquid Tight Non-Metallic 45 Degree Angle Connector (26 05 33 13-1820)		
26 05 33 13-1846	EA		3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector	16.03	5.13
			<i>For Work In Restricted Working Space, Add</i>	3.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.85	
26 05 33 13-1847	EA		1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	16.03	5.13
			<i>For Work In Restricted Working Space, Add</i>	3.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.85	
26 05 33 13-1848	EA		3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	18.91	5.59
			<i>For Work In Restricted Working Space, Add</i>	4.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1849	EA		1" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	25.23	6.52
			<i>For Work In Restricted Working Space, Add</i>	4.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.90	
26 05 33 13-1850	EA		1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	26.34	6.99
			<i>For Work In Restricted Working Space, Add</i>	5.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33 13-1851	EA		1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	37.64	7.45
			<i>For Work In Restricted Working Space, Add</i>	5.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.59	
26 05 33 13-1852	EA		2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	48.78	8.39
			<i>For Work In Restricted Working Space, Add</i>	6.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 33 13-1853			Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-1853)		
			Note: Carlon - FLEX-PLUS.		
26 05 33 13-1854			Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-1854)		
26 05 33 13-1855	LF		1/2" Blue ENT Electrical Non-Metallic Tubing.....	4.15	1.53
			<i>For Work In Restricted Working Space, Add</i>	1.15	
26 05 33 13-1856	LF		3/4" Blue ENT Electrical Non-Metallic Tubing.....	5.54	2.04
			<i>For Work In Restricted Working Space, Add</i>	1.53	
26 05 33 13-1857	LF		1" Blue ENT Electrical Non-Metallic Tubing.....	5.82	2.04
			<i>For Work In Restricted Working Space, Add</i>	1.53	
26 05 33 13-1858			Terminal Adapter (26 05 33 13-1858)		
26 05 33 13-1859	EA		1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	10.71	4.08
			<i>For Work In Restricted Working Space, Add</i>	3.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 05 33 13-1860	EA		3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	12.43	4.59
			<i>For Work In Restricted Working Space, Add</i>	3.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.44	
26 05 33 13-1861	EA		1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	13.98	5.10
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33 13-1862			Coupling (26 05 33 13-1862)		
26 05 33 13-1863	EA		1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	10.65	4.08
			<i>For Work In Restricted Working Space, Add</i>	3.06	
26 05 33 13-1864	EA		3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	12.06	4.59
			<i>For Work In Restricted Working Space, Add</i>	3.44	
26 05 33 13-1865	EA		1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	13.64	5.10
			<i>For Work In Restricted Working Space, Add</i>	3.83	
26 05 33 13-1866			Conduit Bodies (26 05 33 13-0057)		
26 05 33 13-1867			Threaded, Cast Aluminum Conduit Body (26 05 33 13-1866)		
26 05 33 13-1868			Type LB, Threaded, Two Hub Cast Aluminum Conduit Body (26 05 33 13-1867)		
26 05 33 13-1869	EA		1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	61.63	22.37
			<i>For Mogul LB, Add</i>	1.48	
			<i>For Work In Restricted Working Space, Add</i>	16.78	
			<i>For Installation Above 14', Add</i>	8.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.78	
26 05 33 13-1870	EA		3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	71.83	25.63
			<i>For Mogul LB, Add</i>	2.60	
			<i>For Work In Restricted Working Space, Add</i>	19.23	
			<i>For Installation Above 14', Add</i>	9.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.23	
26 05 33 13-1871	EA		1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	85.58	29.83
			<i>For Mogul LB, Add</i>	4.53	
			<i>For Work In Restricted Working Space, Add</i>	22.37	
			<i>For Installation Above 14', Add</i>	11.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.37	
26 05 33 13-1872	EA		1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	101.51	34.03
			<i>For Mogul LB, Add</i>	8.08	
			<i>For Work In Restricted Working Space, Add</i>	25.52	
			<i>For Installation Above 14', Add</i>	12.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.52	
26 05 33 13-1873	EA		1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	114.44	37.28
			<i>For Mogul LB, Add</i>	11.25	
			<i>For Work In Restricted Working Space, Add</i>	27.97	
			<i>For Installation Above 14', Add</i>	13.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97	
26 05 33 13-1874	EA		2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	146.13	44.74
			<i>For Mogul LB, Add</i>	20.11	
			<i>For Work In Restricted Working Space, Add</i>	33.56	
			<i>For Installation Above 14', Add</i>	16.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.56	
26 05 33 13-1875	EA		2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	233.15	62.93
			<i>For Mogul LB, Add</i>	49.02	
			<i>For Work In Restricted Working Space, Add</i>	47.19	
			<i>For Installation Above 14', Add</i>	23.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.19	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1876	EA		3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	307.67	83.89
			<i>For Mogul LB, Add</i>	62.96	
			<i>For Work In Restricted Working Space, Add</i>	62.92	
			<i>For Installation Above 14', Add</i>	31.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.92	
26 05 33 13-1877	EA		3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	402.23	104.87
			<i>For Mogul LB, Add</i>	91.94	
			<i>For Work In Restricted Working Space, Add</i>	78.65	
			<i>For Installation Above 14', Add</i>	39.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.65	
26 05 33 13-1878	EA		4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	513.89	127.70
			<i>For Mogul LB, Add</i>	130.01	
			<i>For Work In Restricted Working Space, Add</i>	95.78	
			<i>For Installation Above 14', Add</i>	47.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.78	
26 05 33 13-1879			Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1867)</small>		
26 05 33 13-1880	EA		1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	62.32	22.37
			<i>For Mogul LB, Add</i>	2.00	
			<i>For Work In Restricted Working Space, Add</i>	16.78	
			<i>For Installation Above 14', Add</i>	8.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.78	
26 05 33 13-1881	EA		3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	72.50	25.63
			<i>For Mogul LB, Add</i>	3.10	
			<i>For Work In Restricted Working Space, Add</i>	19.23	
			<i>For Installation Above 14', Add</i>	9.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.23	
26 05 33 13-1882	EA		1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	86.95	29.83
			<i>For Mogul LB, Add</i>	5.56	
			<i>For Work In Restricted Working Space, Add</i>	22.37	
			<i>For Installation Above 14', Add</i>	11.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.37	
26 05 33 13-1883	EA		1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	103.17	34.03
			<i>For Mogul LB, Add</i>	9.33	
			<i>For Work In Restricted Working Space, Add</i>	25.52	
			<i>For Installation Above 14', Add</i>	12.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.52	
26 05 33 13-1884	EA		1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	117.26	37.28
			<i>For Mogul LB, Add</i>	13.37	
			<i>For Work In Restricted Working Space, Add</i>	27.97	
			<i>For Installation Above 14', Add</i>	13.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97	
26 05 33 13-1885	EA		2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	152.19	44.74
			<i>For Mogul LB, Add</i>	24.65	
			<i>For Work In Restricted Working Space, Add</i>	33.56	
			<i>For Installation Above 14', Add</i>	16.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.56	
26 05 33 13-1886	EA		2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	230.09	62.93
			<i>For Mogul LB, Add</i>	46.73	
			<i>For Work In Restricted Working Space, Add</i>	47.19	
			<i>For Installation Above 14', Add</i>	23.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.19	
26 05 33 13-1887	EA		3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	297.39	83.89
			<i>For Mogul LB, Add</i>	55.25	
			<i>For Work In Restricted Working Space, Add</i>	62.92	
			<i>For Installation Above 14', Add</i>	31.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.92	
26 05 33 13-1888	EA		3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	410.99	104.87
			<i>For Mogul LB, Add</i>	98.51	
			<i>For Work In Restricted Working Space, Add</i>	78.65	
			<i>For Installation Above 14', Add</i>	39.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.65	
26 05 33 13-1889	EA		4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	531.79	127.70
			<i>For Mogul LB, Add</i>	143.43	
			<i>For Work In Restricted Working Space, Add</i>	95.78	
			<i>For Installation Above 14', Add</i>	47.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.78	
26 05 33 13-1890			Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1867)</small>		
26 05 33 13-1891	EA		1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	71.64	25.63
			<i>For Work In Restricted Working Space, Add</i>	19.23	
			<i>For Installation Above 14', Add</i>	9.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.23	
26 05 33 13-1892	EA		3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	84.30	29.83
			<i>For Work In Restricted Working Space, Add</i>	22.37	
			<i>For Installation Above 14', Add</i>	11.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.37	
26 05 33 13-1893	EA		1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	95.33	32.62
			<i>For Work In Restricted Working Space, Add</i>	24.47	
			<i>For Installation Above 14', Add</i>	12.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.47	
26 05 33 13-1894	EA		1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	114.08	37.28
			<i>For Work In Restricted Working Space, Add</i>	27.97	
			<i>For Installation Above 14', Add</i>	13.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1895	EA		1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.65 30.76 15.38 30.76	41.02
26 05 33 13-1896	EA		2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.39 36.01 18.00 36.01	48.01
26 05 33 13-1897	EA		2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	256.72 52.43 26.22 52.43	69.92
26 05 33 13-1898	EA		3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	332.25 68.16 34.08 68.16	90.88
26 05 33 13-1899	EA		3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	497.81 83.90 41.95 83.90	111.86
26 05 33 13-1900	EA		4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	576.95 101.02 50.51 101.02	134.70
26 05 33 13-1901 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1867)</small>					
26 05 33 13-1902	EA		1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.46 16.78 8.39 16.78	22.37
26 05 33 13-1903	EA		3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.02 19.23 9.61 19.23	25.63
26 05 33 13-1904	EA		1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.22 22.02 11.01 22.02	29.36
26 05 33 13-1905	EA		1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.50 25.52 12.76 25.52	34.03
26 05 33 13-1906	EA		1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.98 27.97 13.98 27.97	37.28
26 05 33 13-1907	EA		2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.18 33.56 16.78 33.56	44.74
26 05 33 13-1908	EA		2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	227.52 47.19 23.60 47.19	62.93
26 05 33 13-1909	EA		3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	295.75 62.92 31.46 62.92	83.89
26 05 33 13-1910	EA		3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	405.73 78.65 39.33 78.65	104.87
26 05 33 13-1911	EA		4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	515.53 95.78 47.89 95.78	127.70
26 05 33 13-1912 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1867)</small>					
26 05 33 13-1913	EA		1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.67 22.02 11.01 22.02	29.36
26 05 33 13-1914	EA		3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.11 24.47 12.24 24.47	32.62
26 05 33 13-1915	EA		1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.94 26.92 13.46 26.92	35.89
26 05 33 13-1916	EA		1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.52 30.76 15.38 30.76	41.02

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1917	EA 1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	155.62 33.56 16.78	44.74
26 05 33 13-1918	EA 2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	189.09 41.25 20.62 41.25	55.00
26 05 33 13-1919	EA 2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	329.61 60.47 30.24 60.47	80.63
26 05 33 13-1920	EA 3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	412.15 78.65 39.33 78.65	104.87
26 05 33 13-1921	EA 3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	568.14 97.88 48.94 97.88	129.57
26 05 33 13-1922	EA 4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	684.27 116.75 58.38 116.75	155.67
26 05 33 13-1923	Threaded, Malleable Iron Conduit Body (26 05 33 13-1866)		
26 05 33 13-1924	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-1923)		
26 05 33 13-1925	EA 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.57 16.78 8.39 16.78	22.37
26 05 33 13-1926	EA 3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.45 19.23 9.61 19.23	25.63
26 05 33 13-1927	EA 1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.52 22.37 11.19 22.37	29.83
26 05 33 13-1928	EA 1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.08 25.52 12.76 25.52	34.03
26 05 33 13-1929	EA 1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.92 27.97 13.98 27.97	37.28
26 05 33 13-1930	EA 2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.26 33.56 16.78 33.56	44.74
26 05 33 13-1931	EA 2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	262.49 47.19 23.60 47.19	62.93
26 05 33 13-1932	EA 3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	366.65 62.92 31.46 62.92	83.89
26 05 33 13-1933	EA 3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	494.46 78.65 39.33 78.65	104.87
26 05 33 13-1934	EA 4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	593.96 95.78 47.89 95.78	127.70
26 05 33 13-1935	Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-1923)		
26 05 33 13-1936	EA 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.33 16.78	22.37
26 05 33 13-1937	EA 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.97 19.23	25.63
26 05 33 13-1938	EA 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.22 22.37	29.83
26 05 33 13-1939	EA 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.89 25.52	34.03
26 05 33 13-1940	EA 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.14 27.97	37.28
26 05 33 13-1941	EA 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.71 33.56	44.74
26 05 33 13-1942	EA 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	237.27 47.19	62.93
26 05 33 13-1943	EA 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	321.30 62.92	83.89

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1944	EA		3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	521.17	104.87
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.65	
26 05 33	13-1945	EA		4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	613.65	127.70
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.78	
26 05 33	13-1946			Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <small>(26 05 33)</small>		
				<small>13-1923)</small>		
26 05 33	13-1947	EA		1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	76.70	25.63
				<i>For Work In Restricted Working Space, Add</i>	19.23	
				<i>For Installation Above 14', Add</i>	9.61	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.23	
26 05 33	13-1948	EA		3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	90.49	29.83
				<i>For Work In Restricted Working Space, Add</i>	22.72	
				<i>For Installation Above 14', Add</i>	11.36	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.72	
26 05 33	13-1949	EA		1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	103.87	32.62
				<i>For Work In Restricted Working Space, Add</i>	24.47	
				<i>For Installation Above 14', Add</i>	12.24	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.47	
26 05 33	13-1950	EA		1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	126.60	37.28
				<i>For Work In Restricted Working Space, Add</i>	27.62	
				<i>For Installation Above 14', Add</i>	13.81	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.62	
26 05 33	13-1951	EA		1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	144.06	41.02
				<i>For Work In Restricted Working Space, Add</i>	30.76	
				<i>For Installation Above 14', Add</i>	15.38	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.76	
26 05 33	13-1952	EA		2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	185.07	48.01
				<i>For Work In Restricted Working Space, Add</i>	36.01	
				<i>For Installation Above 14', Add</i>	18.00	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.01	
26 05 33	13-1953	EA		2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	243.02	69.92
				<i>For Work In Restricted Working Space, Add</i>	52.43	
				<i>For Installation Above 14', Add</i>	26.22	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.43	
26 05 33	13-1954	EA		3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	340.61	90.88
				<i>For Work In Restricted Working Space, Add</i>	68.16	
				<i>For Installation Above 14', Add</i>	34.08	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.16	
26 05 33	13-1955	EA		3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	550.98	111.86
				<i>For Work In Restricted Working Space, Add</i>	83.90	
				<i>For Installation Above 14', Add</i>	41.95	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.90	
26 05 33	13-1956	EA		4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	642.94	134.70
				<i>For Work In Restricted Working Space, Add</i>	101.37	
				<i>For Installation Above 14', Add</i>	50.69	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.37	
26 05 33	13-1957			Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33)</small>		
				<small>13-1923)</small>		
26 05 33	13-1958	EA		1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	63.69	22.37
				<i>For Work In Restricted Working Space, Add</i>	16.78	
				<i>For Installation Above 14', Add</i>	8.39	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.78	
26 05 33	13-1959	EA		3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	75.74	25.63
				<i>For Work In Restricted Working Space, Add</i>	19.23	
				<i>For Installation Above 14', Add</i>	9.61	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.23	
26 05 33	13-1960	EA		1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	88.00	29.36
				<i>For Work In Restricted Working Space, Add</i>	22.02	
				<i>For Installation Above 14', Add</i>	11.01	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.02	
26 05 33	13-1961	EA		1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	113.42	34.03
				<i>For Work In Restricted Working Space, Add</i>	25.52	
				<i>For Installation Above 14', Add</i>	12.76	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.52	
26 05 33	13-1962	EA		1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	130.17	37.28
				<i>For Work In Restricted Working Space, Add</i>	27.97	
				<i>For Installation Above 14', Add</i>	13.98	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97	
26 05 33	13-1963	EA		2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	165.03	44.74
				<i>For Work In Restricted Working Space, Add</i>	33.56	
				<i>For Installation Above 14', Add</i>	16.78	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.56	
26 05 33	13-1964	EA		2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	386.34	118.04
				<i>For Work In Restricted Working Space, Add</i>	88.49	
				<i>For Installation Above 14', Add</i>	44.24	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.49	
26 05 33	13-1965	EA		3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	340.34	83.89
				<i>For Work In Restricted Working Space, Add</i>	62.92	
				<i>For Installation Above 14', Add</i>	31.46	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.92	
26 05 33	13-1966	EA		3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	521.17	104.87
				<i>For Work In Restricted Working Space, Add</i>	78.65	
				<i>For Installation Above 14', Add</i>	39.33	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.65	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1967	EA		4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	613.63 95.78 47.89 95.78	127.70
26 05 33 13-1968			Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-1923)</small>		
26 05 33 13-1969	EA		1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.38 22.02 11.01 22.02	29.36
26 05 33 13-1970	EA		3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.07 24.47 12.24 24.47	32.62
26 05 33 13-1971	EA		1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.62 26.92 13.46 26.92	35.89
26 05 33 13-1972	EA		1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.81 30.76 15.38 30.76	41.02
26 05 33 13-1973	EA		1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.14 33.56 16.78 33.56	44.74
26 05 33 13-1974	EA		2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	197.16 41.25 20.62 41.25	55.00
26 05 33 13-1975	EA		2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	308.12 60.47 30.24 60.47	80.63
26 05 33 13-1976	EA		3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	439.22 78.65 39.33 78.65	104.87
26 05 33 13-1977	EA		3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	630.09 97.18 48.59 97.18	129.57
26 05 33 13-1978	EA		4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	714.25 116.75 58.38 116.75	155.67
26 05 33 13-1979			Set Screw, Cast Aluminum Conduit Body <small>(26 05 33 13-1866)</small>		
26 05 33 13-1980			Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1979)</small>		
26 05 33 13-1981	EA		1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.77 6.64 3.32 6.64	8.85
26 05 33 13-1982	EA		3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.10 8.74 4.37 8.74	11.65
26 05 33 13-1983	EA		1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.98 10.84 5.42 10.84	14.44
26 05 33 13-1984	EA		1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.57 13.28 6.64 13.28	17.71
26 05 33 13-1985	EA		1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.73 15.38 7.69 15.38	20.50
26 05 33 13-1986	EA		2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.06 17.48 8.74 17.48	23.31
26 05 33 13-1987			Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1979)</small>		
26 05 33 13-1988	EA		1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.95 6.64 3.32 6.64	8.85
26 05 33 13-1989	EA		3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.80 8.74 4.37 8.74	11.65

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1990 EA 1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	46.55	14.44
For Work In Restricted Working Space, Add	10.84	
For Installation Above 14', Add	5.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 05 33 13-1991 EA 1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	62.36	17.71
For Work In Restricted Working Space, Add	13.28	
For Installation Above 14', Add	6.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.28	
26 05 33 13-1992 EA 1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	75.68	20.50
For Work In Restricted Working Space, Add	15.38	
For Installation Above 14', Add	7.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.38	
26 05 33 13-1993 EA 2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	101.71	23.31
For Work In Restricted Working Space, Add	17.48	
For Installation Above 14', Add	8.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.48	
26 05 33 13-1994 Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1979)</small>		
26 05 33 13-1995 EA 1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	37.48	11.65
For Work In Restricted Working Space, Add	8.74	
For Installation Above 14', Add	4.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.74	
26 05 33 13-1996 EA 3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	48.15	14.44
For Work In Restricted Working Space, Add	10.84	
For Installation Above 14', Add	5.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 05 33 13-1997 EA 1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	58.33	17.71
For Work In Restricted Working Space, Add	13.28	
For Installation Above 14', Add	6.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.28	
26 05 33 13-1998 EA 1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	77.87	20.50
For Work In Restricted Working Space, Add	16.08	
For Installation Above 14', Add	8.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	
26 05 33 13-1999 EA 1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	97.72	23.31
For Work In Restricted Working Space, Add	18.88	
For Installation Above 14', Add	9.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.88	
26 05 33 13-2000 EA 2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	126.91	26.10
For Work In Restricted Working Space, Add	21.67	
For Installation Above 14', Add	10.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.67	
26 05 33 13-2001 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1979)</small>		
26 05 33 13-2002 EA 1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	29.55	8.85
For Work In Restricted Working Space, Add	6.64	
For Installation Above 14', Add	3.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.64	
26 05 33 13-2003 EA 3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	39.35	11.65
For Work In Restricted Working Space, Add	8.74	
For Installation Above 14', Add	4.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.74	
26 05 33 13-2004 EA 1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	49.87	14.44
For Work In Restricted Working Space, Add	10.84	
For Installation Above 14', Add	5.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 05 33 13-2005 EA 1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	63.62	17.71
For Work In Restricted Working Space, Add	13.28	
For Installation Above 14', Add	6.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.28	
26 05 33 13-2006 EA 1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	53.37	20.50
For Work In Restricted Working Space, Add	15.38	
For Installation Above 14', Add	7.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.38	
26 05 33 13-2007 EA 2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	108.46	23.31
For Work In Restricted Working Space, Add	17.48	
For Installation Above 14', Add	8.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.48	
26 05 33 13-2008 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-1866)</small>		
26 05 33 13-2009 EA 3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120).....	119.60	25.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.16	
26 05 33 13-2010 EA 1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250).....	392.08	47.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.41	
26 05 33 13-2011 EA 3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400).....	759.83	95.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.84	
26 05 33 13-2012 Replacement Covers And Gaskets For Conduit Body <small>(26 05 33 13-1866)</small>		
26 05 33 13-2013 Replacement Stamped Aluminum Conduit Body Cover <small>(26 05 33 13-2012)</small>		
26 05 33 13-2014 EA 1/2" Replacement Stamped Aluminum Conduit Body Cover.....	10.96	4.55
26 05 33 13-2015 EA 3/4" Replacement Stamped Aluminum Conduit Body Cover.....	13.22	5.30
26 05 33 13-2016 EA 1" Replacement Stamped Aluminum Conduit Body Cover.....	16.94	6.81

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 13-2017	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover		20.65	8.33
26 05 33 13-2018	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover		25.09	9.85
26 05 33 13-2019	EA	2" Replacement Stamped Aluminum Conduit Body Cover		29.52	11.36
26 05 33 13-2020	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover		37.51	12.87
26 05 33 13-2021	EA	3" Replacement Stamped Aluminum Conduit Body Cover		49.94	18.18
26 05 33 13-2022	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover		54.33	20.45
26 05 33 13-2023	EA	4" Replacement Stamped Aluminum Conduit Body Cover		68.41	25.75
26 05 33 13-2024		Replacement Cast Steel Conduit Body Cover <small>(26 05 33 13-2012)</small>			
26 05 33 13-2025	EA	1/2" Replacement Cast Steel Conduit Body Cover		12.23	4.55
26 05 33 13-2026	EA	3/4" Replacement Cast Steel Conduit Body Cover		14.33	5.30
26 05 33 13-2027	EA	1" Replacement Cast Steel Conduit Body Cover		19.67	6.81
26 05 33 13-2028	EA	1-1/4" Replacement Cast Steel Conduit Body Cover		24.35	8.33
26 05 33 13-2029	EA	1-1/2" Replacement Cast Steel Conduit Body Cover		29.40	9.85
26 05 33 13-2030	EA	2" Replacement Cast Steel Conduit Body Cover		34.45	11.36
26 05 33 13-2031	EA	2-1/2" Replacement Cast Steel Conduit Body Cover		39.47	12.87
26 05 33 13-2032	EA	3" Replacement Cast Steel Conduit Body Cover		54.56	18.18
26 05 33 13-2033	EA	3-1/2" Replacement Cast Steel Conduit Body Cover		61.61	20.45
26 05 33 13-2034	EA	4" Replacement Cast Steel Conduit Body Cover		77.62	25.75
26 05 33 13-2035		Replacement Velbuna Composition Conduit Body Gasket <small>(26 05 33 13-2012)</small>			
26 05 33 13-2036	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket.....		10.39	4.55
26 05 33 13-2037	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket.....		11.95	5.30
26 05 33 13-2038	EA	1" Replacement Velbuna Composition Conduit Body Gasket.....		15.52	6.81
26 05 33 13-2039	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket.....		19.79	8.33
26 05 33 13-2040	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket.....		22.82	9.85
26 05 33 13-2041	EA	2" Replacement Velbuna Composition Conduit Body Gasket.....		26.90	11.36
26 05 33 13-2042	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket.....		33.92	12.87
26 05 33 13-2043	EA	3" Replacement Velbuna Composition Conduit Body Gasket.....		45.45	18.18
26 05 33 13-2044	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket.....		50.08	20.45
26 05 33 13-2045	EA	4" Replacement Velbuna Composition Conduit Body Gasket.....		60.57	25.75
26 05 33 13-2046		Replacement Neoprene Conduit Body Gasket <small>(26 05 33 13-2012)</small>			
26 05 33 13-2047	EA	1/2" Replacement Neoprene Conduit Body Gasket		11.27	4.55
26 05 33 13-2048	EA	3/4" Replacement Neoprene Conduit Body Gasket		12.79	5.30
26 05 33 13-2049	EA	1" Replacement Neoprene Conduit Body Gasket.....		16.63	6.81
26 05 33 13-2050	EA	1-1/4" Replacement Neoprene Conduit Body Gasket.....		20.35	8.33
26 05 33 13-2051	EA	1-1/2" Replacement Neoprene Conduit Body Gasket		23.38	9.85
26 05 33 13-2052	EA	2" Replacement Neoprene Conduit Body Gasket		26.96	11.36
26 05 33 13-2053	EA	2-1/2" Replacement Neoprene Conduit Body Gasket.....		34.06	12.87
26 05 33 13-2054	EA	3" Replacement Neoprene Conduit Body Gasket.....		45.59	18.18
26 05 33 13-2055	EA	3-1/2" Replacement Neoprene Conduit Body Gasket.....		51.03	20.45
26 05 33 13-2056	EA	4" Replacement Neoprene Conduit Body Gasket.....		61.52	25.75
26 05 33 16		Boxes For Electrical Systems <small>(26 05 33)</small>			
See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.					
26 05 33 16-0001		Steel Junction, Device, And Fixture Boxes, Rings And Covers <small>(26 05 33 16)</small>			
Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0126 for steel box/switch assemblies.					
26 05 33 16-0002		4" Square Steel Boxes, Rings And Covers <small>(26 05 33 16-0001)</small>			
26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box.....		40.78	19.12
<i>For Stud Bracket, Add</i>				0.62	
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box.....		41.93	19.12
<i>For Stud Bracket, Add</i>				1.12	
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box.....		45.88	19.12
<i>For Stud Bracket, Add</i>				1.22	
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring.....		31.13	12.75
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring.....		27.13	12.75
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....		13.96	6.37
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....		14.14	6.37
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....		14.28	6.37
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring.....		14.70	6.37
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....		14.83	6.37
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....		16.20	6.37
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....		14.48	6.37
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....		14.61	6.37
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....		14.77	6.37
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring.....		16.17	6.37
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....		16.46	6.37
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....		18.24	6.37
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings.....		15.16	6.37
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings.....		16.29	6.37
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover.....		14.46	6.37
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover.....		14.56	6.37
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....		14.43	6.37
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....		14.73	6.37
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....		14.99	6.37
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....		18.12	6.37
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....		14.94	6.37
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....		18.12	6.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0030	EA		One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	14.94	6.37
26 05 33 16-0031	EA		One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	15.68	6.37
26 05 33 16-0032	EA		One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	18.12	6.37
26 05 33 16-0033	EA		One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	18.12	6.37
26 05 33 16-0034	EA		Flat, 4" Square Steel Exposed Work Cover.....	13.56	6.37
26 05 33 16-0035			4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0036	EA		1-1/2" Depth, 4-11/16" Square Steel Box.....	45.04	19.12
26 05 33 16-0037	EA		2-1/8" Depth, 4-11/16" Square Steel Box.....	42.43	19.12
			<i>For Stud Bracket, Add</i>	0.59	
26 05 33 16-0038	EA		3-1/4" Depth, 4-11/16" Square Steel Box.....	55.52	19.12
26 05 33 16-0039	EA		1-1/2" Depth, 4-11/16" Square Extension Ring.....	32.22	12.75
26 05 33 16-0040	EA		2-1/8" Depth, 4-11/16" Square Extension Ring.....	32.86	12.75
26 05 33 16-0041	EA		1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	16.56	6.37
26 05 33 16-0042	EA		5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	16.59	6.37
26 05 33 16-0043	EA		3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	17.71	6.37
26 05 33 16-0044	EA		1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	17.26	6.37
26 05 33 16-0045	EA		1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	17.16	6.37
26 05 33 16-0046	EA		1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	21.79	6.37
26 05 33 16-0047	EA		1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	17.45	6.37
26 05 33 16-0048	EA		5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	17.69	6.37
26 05 33 16-0049	EA		3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	17.71	6.37
26 05 33 16-0050	EA		1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	19.34	6.37
26 05 33 16-0051	EA		1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	19.68	6.37
26 05 33 16-0052	EA		1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	23.64	6.37
26 05 33 16-0053	EA		1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	17.23	6.37
26 05 33 16-0054	EA		5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	17.35	6.37
26 05 33 16-0055	EA		One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	20.42	6.37
26 05 33 16-0056	EA		Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	21.28	6.37
26 05 33 16-0057	EA		One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	20.16	6.37
26 05 33 16-0058	EA		Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	19.23	6.37
26 05 33 16-0059	EA		One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	22.36	6.37
26 05 33 16-0060	EA		One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	21.27	6.37
26 05 33 16-0061	EA		One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	21.27	6.37
26 05 33 16-0062	EA		One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	21.27	6.37
26 05 33 16-0063	EA		Flat, 4-11/16" Square Steel Exposed Work Cover.....	14.26	6.37
26 05 33 16-0064			Steel Square Box Brackets (26 05 33 16-0001)		
26 05 33 16-0065	EA		16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	20.31	9.57
26 05 33 16-0066	EA		Single Box Bracket, One 4" Or 4-11/16" Square Box.....	14.56	6.38
26 05 33 16-0067	EA		16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	23.09	9.57
26 05 33 16-0068	EA		24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	24.51	9.57
26 05 33 16-0069			4" Octagon Steel Boxes And Covers (26 05 33 16-0001)		
26 05 33 16-0070	EA		1-1/2" Depth, 4" Steel Octagon Box.....	33.95	15.93
			<i>For Stud Bracket, Add</i>	1.51	
26 05 33 16-0071	EA		2-1/8" Depth, 4" Steel Octagon Box.....	34.96	15.93
26 05 33 16-0072	EA		Flat, 4" Octagon Steel Exposed Work Cover.....	13.50	6.37
26 05 33 16-0073			4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)		
			Note: Placed in concrete slabs or walls.		
26 05 33 16-0074	EA		2" Depth, 4" Steel Octagonal Concrete Ring.....	55.54	
26 05 33 16-0075	EA		2-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	58.84	
26 05 33 16-0076	EA		3" Depth, 4" Steel Octagonal Concrete Ring.....	61.58	
26 05 33 16-0077	EA		3-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	64.26	
26 05 33 16-0078	EA		4" Depth, 4" Steel Octagonal Concrete Ring.....	69.59	
26 05 33 16-0079	EA		5" Depth, 4" Steel Octagonal Concrete Ring.....	75.09	
26 05 33 16-0080	EA		6" Depth, 4" Steel Octagonal Concrete Ring.....	79.48	
26 05 33 16-0081	EA		Flat, 4" Steel Octagonal Concrete Cover.....	14.88	6.37
26 05 33 16-0082			4-1/2" Steel Gang Boxes (26 05 33 16-0001)		
26 05 33 16-0083	EA		2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	48.22	15.93
26 05 33 16-0084	EA		3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	52.84	17.20
26 05 33 16-0085	EA		4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	62.91	19.12
26 05 33 16-0086	EA		5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	80.52	21.03
26 05 33 16-0087	EA		6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	116.12	22.94
26 05 33 16-0088	EA		2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	63.78	15.93
26 05 33 16-0089	EA		3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	69.42	17.20
26 05 33 16-0090	EA		4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	90.91	19.12
26 05 33 16-0091	EA		5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	115.35	21.03
26 05 33 16-0092	EA		6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	184.97	22.94
26 05 33 16-0093	EA		2 Device, Gang Box Mud Ring.....	20.84	6.37
26 05 33 16-0094	EA		3 Device, Gang Box Mud Ring.....	21.11	6.37
26 05 33 16-0095	EA		4 Device, Gang Box Mud Ring.....	24.11	6.37
26 05 33 16-0096	EA		5 Device, Gang Box Mud Ring.....	29.26	6.37
26 05 33 16-0097	EA		6 Device, Gang Box Mud Ring.....	40.57	6.37
26 05 33 16-0098	EA		2 Device, Gang Box Flat Cover.....	18.27	6.37
26 05 33 16-0099	EA		3 Device, Gang Box Flat Cover.....	21.08	6.37
26 05 33 16-0100	EA		4 Device, Gang Box Flat Cover.....	24.80	6.37
26 05 33 16-0101	EA		5 Device, Gang Box Flat Cover.....	29.55	6.37

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0102	EA	6 Device, Gang Box Flat Cover.....	41.37	6.37
26 05 33	16-0103		Steel Switch Boxes (26 05 33 16-0001)		
26 05 33	16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	35.89	15.93
26 05 33	16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	36.32	15.93
26 05 33	16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	38.57	15.93
26 05 33	16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	43.62	15.93
26 05 33	16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	44.06	15.93
26 05 33	16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	50.90	15.93
26 05 33	16-0110		4" x 2" Steel Handy Boxes, Extension Rings And Covers (26 05 33 16-0001)		
26 05 33	16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box	33.84	15.93
			For Stud Bracket, Add	2.43	
26 05 33	16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box	34.30	15.93
			For Stud Bracket, Add	1.05	
26 05 33	16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box	35.33	15.93
			For Stud Bracket, Add	1.43	
26 05 33	16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	21.94	9.56
26 05 33	16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	21.48	9.56
26 05 33	16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	7.39	3.18
26 05 33	16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.48	3.18
26 05 33	16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.04	3.18
26 05 33	16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	7.07	3.18
26 05 33	16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.96	3.18
26 05 33	16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover	7.07	3.18
26 05 33	16-0122		3"-1/2" Depth, 3-3/4" Steel Masonry Boxes (26 05 33 16-0001)		
26 05 33	16-0123	EA	1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	50.07	22.30
26 05 33	16-0124	EA	2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	55.42	23.57
26 05 33	16-0125	EA	3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	62.83	25.49
26 05 33	16-0126	EA	4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	71.13	28.04
26 05 33	16-0127		Cast Boxes (26 05 33 16)		
			Note: For flush or surface mount.		
26 05 33	16-0128		Cast Iron Alloy Boxes (26 05 33 16-0127)		
			See CSI section 26 27 26 00-0263 for box covers.		
26 05 33	16-0129		Shallow, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128)		
			Note: Up to 2" deep boxes.		
26 05 33	16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	97.78	38.24
			Note: One hub.		
26 05 33	16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	107.75	44.60
			Note: One hub.		
26 05 33	16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	128.03	54.17
			Note: One hub.		
26 05 33	16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box	124.47	50.98
			Note: Two hub.		
26 05 33	16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box	155.85	60.54
			Note: Two hub.		
26 05 33	16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box	124.10	50.98
			Note: Two hub.		
26 05 33	16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box	148.70	60.54
			Note: Two hubs.		
26 05 33	16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box	126.40	50.98
			Note: Two hubs.		
26 05 33	16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box	148.73	60.54
			Note: Two hubs.		
26 05 33	16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box	124.10	50.98
			Note: Two hubs.		
26 05 33	16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box	145.89	60.54
			Note: Two hubs.		
26 05 33	16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box	149.97	63.73
			Note: Three hubs.		
26 05 33	16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box	178.21	76.47
			Note: Three hubs.		
26 05 33	16-0143	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box	154.38	63.73
			Note: Three hubs.		
26 05 33	16-0144	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box	195.04	76.47
			Note: Three hubs.		
26 05 33	16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box	157.26	63.73
			Note: Three hubs.		
26 05 33	16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box	188.12	76.47
			Note: Three hubs.		
26 05 33	16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box	149.59	63.73
			Note: Three hubs.		
26 05 33	16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box	190.07	76.47
			Note: Three hubs.		
26 05 33	16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box	187.33	76.47
			Note: Four hubs.		
26 05 33	16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box	226.10	92.40
			Note: Four hubs.		

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

26 05 33 16-0151	Deep, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>			
	Note: >2" deep boxes.			
26 05 33 16-0152	EA 1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box.....		101.03	38.24
	Note: One hub.			
26 05 33 16-0153	EA 3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box.....		116.76	44.60
	Note: One hub.			
26 05 33 16-0154	EA 1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box.....		138.43	54.17
	Note: One hub.			
26 05 33 16-0155	EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box.....		130.41	50.98
	Note: Two hubs.			
26 05 33 16-0156	EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box.....		151.75	60.54
	Note: Two hubs.			
26 05 33 16-0157	EA 1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box.....		182.75	73.29
	Note: Two hubs.			
26 05 33 16-0158	EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box.....		159.85	60.54
	Note: Two hubs.			
26 05 33 16-0159	EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box.....		204.64	76.47
	Note: Three hubs.			
26 05 33 16-0160	Shallow, Two Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>			
	Note: Up to 2" deep boxes.			
26 05 33 16-0161	EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box.....		114.38	41.42
	Note: One hub.			
26 05 33 16-0162	EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box.....		128.08	47.80
	Note: One hub.			
26 05 33 16-0163	EA 1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box.....		150.10	57.35
	Note: One hub.			
26 05 33 16-0164	EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box.....		141.43	54.17
	Note: Two hubs.			
26 05 33 16-0165	EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box.....		162.22	63.73
	Note: Two hubs.			
26 05 33 16-0166	Deep, Two Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>			
	Note: >2" deep boxes.			
26 05 33 16-0167	EA 1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box.....		124.14	41.42
	Note: One hub.			
26 05 33 16-0168	EA 3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box.....		137.26	47.80
	Note: One hub.			
26 05 33 16-0169	EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box.....		156.12	54.17
	Note: Two hubs.			
26 05 33 16-0170	EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box.....		177.74	63.73
	Note: Two hubs.			
26 05 33 16-0171	Cast Aluminum Boxes <small>(26 05 33 16-0127)</small>			
	See CSI section 26 27 26 00-0263 for box covers.			
26 05 33 16-0172	Shallow, Single Gang Cast Aluminum Boxes <small>(26 05 33 16-0171)</small>			
	Note: Up to 2" deep boxes.			
26 05 33 16-0173	EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box.....		85.04	31.87
	Note: One hub.			
26 05 33 16-0174	EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box.....		98.63	38.24
	Note: One hub.			
26 05 33 16-0175	EA 1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box.....		113.41	47.80
	Note: One hub.			
26 05 33 16-0176	EA 1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box.....		81.26	31.87
	Note: One hub.			
26 05 33 16-0177	EA 3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box.....		101.30	38.24
	Note: One hub.			
26 05 33 16-0178	EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box.....		110.90	44.60
	Note: Two hubs.			
26 05 33 16-0179	EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box.....		133.65	54.17
	Note: Two hubs.			
26 05 33 16-0180	EA 1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box.....		166.94	66.92
	Note: Two hubs.			
26 05 33 16-0181	EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box.....		117.48	44.60
	Note: Two hubs.			
26 05 33 16-0182	EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box.....		130.44	54.17
	Note: Two hubs.			
26 05 33 16-0183	EA 1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box.....		113.74	44.60
	Note: Two hubs.			
26 05 33 16-0184	EA 3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box.....		132.68	54.17
	Note: Two hubs.			
26 05 33 16-0185	EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box.....		111.32	44.60
	Note: Two hubs.			
26 05 33 16-0186	EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box.....		132.68	54.17
	Note: Two hubs.			
26 05 33 16-0187	EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box.....		105.74	44.60
	Note: Two hubs.			
26 05 33 16-0188	EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box.....		138.62	54.17
	Note: Two hubs.			
26 05 33 16-0189	EA 1/2" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box.....		135.08	57.35
	Note: Three hubs.			
26 05 33 16-0190	EA 3/4" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box.....		164.42	70.10
	Note: Three hubs.			

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 16-0191	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	140.87		57.35
26 05 33 16-0192	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	184.47		70.10
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	140.38		57.35
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	172.05		70.10
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	173.77		70.10
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	171.29		70.10
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	209.43		86.04
26 05 33 16-0198		Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.			
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	91.76		31.87
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	109.96		38.24
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	128.99		47.80
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	116.10		38.24
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	119.58		44.60
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	144.31		54.17
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	165.94		66.92
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	145.73		54.17
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box..... Note: Three hubs.	181.00		70.10
26 05 33 16-0208		Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.			
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	107.53		35.05
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	124.07		41.42
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	137.89		50.98
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	137.26		47.80
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	146.17		57.35
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	180.02		70.10
26 05 33 16-0215		Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.			
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	107.46		35.05
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	124.98		41.42
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	139.36		47.80
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	160.21		57.35
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	139.36		47.80
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	160.21		57.35
26 05 33 16-0222		Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.			
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box..... Note: Two hubs.	146.86		50.98
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box..... Note: Two hubs.	167.17		60.54
26 05 33 16-0225		Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.			
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	157.73		44.60
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	179.01		54.17
26 05 33 16-0228		Cast Aluminum Explosion Proof Outlet Bodies (26 05 33 16-0127) Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0229	EA		1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	166.67	50.98
26 05 33 16-0230	EA		3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	202.43	57.35
26 05 33 16-0231	EA		1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	193.18	63.73
26 05 33 16-0232	EA		1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body.....	185.31	57.35
26 05 33 16-0233	EA		3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA.....	221.54	63.73
26 05 33 16-0234			Non Metallic (PVC) Boxes <small>(26 05 33 16)</small> See CSI section 26 27 26 00-0263 for box covers.		
26 05 33 16-0235			Shallow, Single Gang Non Metallic (PVC) Boxes <small>(26 05 33 16-0234)</small>		
26 05 33 16-0236	EA		1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	60.41	26.77
26 05 33 16-0237	EA		3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	69.55	31.23
26 05 33 16-0238	EA		1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	81.13	37.92
26 05 33 16-0239	EA		1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	78.47	35.69
26 05 33 16-0240	EA		3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	92.55	42.38
26 05 33 16-0241	EA		1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	112.18	51.30
26 05 33 16-0242	EA		1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	78.65	35.69
26 05 33 16-0243	EA		3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	92.06	42.38
26 05 33 16-0244	EA		1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	110.52	51.30
26 05 33 16-0245	EA		1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	98.96	44.60
26 05 33 16-0246	EA		3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	114.88	53.53
26 05 33 16-0247	EA		1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	136.61	64.68
26 05 33 16-0248			Deep, Single Gang Non Metallic (PVC) Boxes <small>(26 05 33 16-0234)</small>		
26 05 33 16-0249	EA		No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box..... Note: No hubs.	60.95	26.77
26 05 33 16-0250	EA		1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box..... Note: One hub.	60.01	26.77
26 05 33 16-0251	EA		3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box..... Note: One hub.	70.82	31.23
26 05 33 16-0252	EA		1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box..... Note: One hub.	81.65	37.92
26 05 33 16-0253	EA		1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	79.52	35.69
26 05 33 16-0254	EA		3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	91.17	42.38
26 05 33 16-0255	EA		1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	109.49	51.30
26 05 33 16-0256			Shallow, Two Gang Non Metallic (PVC) Boxes <small>(26 05 33 16-0234)</small>		
26 05 33 16-0257	EA		1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	65.15	28.99
26 05 33 16-0258	EA		3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	74.83	33.46
26 05 33 16-0259	EA		1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	85.68	40.15
26 05 33 16-0260	EA		1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	81.77	37.92
26 05 33 16-0261	EA		3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	99.31	44.60
26 05 33 16-0262	EA		1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	118.10	53.53
26 05 33 16-0263	EA		1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	83.01	37.92
26 05 33 16-0264	EA		3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	102.76	44.60
26 05 33 16-0265	EA		1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	115.33	53.53
26 05 33 16-0266	EA		1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	101.87	46.84
26 05 33 16-0267	EA		3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	129.41	55.76
26 05 33 16-0268	EA		1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	140.98	66.92
26 05 33 16-0269			Poke Thru Units <small>(26 05 33 16)</small>		
26 05 33 16-0270			Surface Poke Thru Units <small>(26 05 33 16-0269)</small> Note: Excludes concrete drilling. See CSI section 27 11 19 00-0126 for jacks.		
26 05 33 16-0271	EA		Single 20 Amp Duplex Receptacle RC3 Power And Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	446.92	47.80

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements .....286.15 Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	286.15	
26 05 33 16-0273	EA	Replacement 20 Amp Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit.....43.89 Note: Wiremold RC37REC.	43.89	12.75
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit.....48.52 Note: Wiremold RC3APTGBK.	48.52	6.37
26 05 33 16-0275	EA	Four 20 Amp Receptacles RC4 Power And Communications Poke Thru Unit .....503.93 Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	503.93	50.98
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements .....268.94 Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	268.94	
26 05 33 16-0277	EA	Replacement Two 20 Amp Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit .....73.87 Note: Wiremold RC4REC2.	73.87	19.12
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit.....48.52 Note: Wiremold RC4APTGBK.	48.52	6.37
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit.....138.46 Note: Wiremold ABPLUG4.	138.46	12.75
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit.....400.89 Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	400.89	44.60
26 05 33 16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit .....34.69 Note: Wiremold RC9APTGBK.	34.69	6.37
26 05 33 16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit .....399.15 Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	399.15	44.60
26 05 33 16-0283	EA	Communication Conduit Adapter For Poke Thru Units .....47.00 Note: Includes two conduit connections for communication systems. Wiremold COM75.	47.00	6.37

26 05 33 16-0284 Recessed Poke Thru Units (26 05 33 16-0289)
Note: Excludes concrete drilling.

26 05 33 16-0285 Evolution 6AT Poke Thru Units (26 05 33 16-0284)
Note: Excludes concrete drilling.

26 05 33 16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) .....660.44 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	660.44	50.98
26 05 33 16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP).....660.52 Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	660.52	50.98
26 05 33 16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC) .....630.98 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	630.98	50.98
26 05 33 16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT) .....630.98 Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	630.98	50.98
26 05 33 16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA).....660.44 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	660.44	50.98
26 05 33 16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) .....660.44 Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	660.44	50.98
26 05 33 16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) .....606.05 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	606.05	50.98
26 05 33 16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC).....389.95 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	389.95	47.80
26 05 33 16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) .....416.01 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	416.01	47.80
26 05 33 16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) .....418.59 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	418.59	47.80
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS).....126.19 Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	126.19	25.49
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC) .....261.26 Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	261.26	12.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0298	EA		Flush Style Cover Assembly (Wiremold 6CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	261.26	12.75
26 05 33 16-0299	EA		Furniture Feed Cover Assembly (Wiremold 6CFFTC)..... Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	218.53	12.75
26 05 33 16-0300	EA		Tile Shim (Wiremold 6TS)..... Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	32.46	3.18
26 05 33 16-0301	EA		Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	18.95	6.37
26 05 33 16-0302	EA		Device Mounting Plate (Wiremold 6ACT8A)..... Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	21.26	6.37
26 05 33 16-0303	EA		Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	18.88	6.37
26 05 33 16-0304	EA		Device Mounting Plate (Wiremold 6DEC)..... Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCl's, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	18.92	6.37
26 05 33 16-0305	EA		Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	18.82	6.37
26 05 33 16-0306	EA		Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	21.51	6.37
26 05 33 16-0307	EA		Device Mounting Plate (Wiremold 6MAAP2A)..... Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	21.32	6.37
26 05 33 16-0308	EA		Mosaic Mounting Plate (Wiremold 6MOS)..... Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	21.74	6.37
26 05 33 16-0309	EA		Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	18.60	6.37
26 05 33 16-0310	EA		Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	18.61	6.37
26 05 33 16-0311	EA		Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	18.41	6.37
26 05 33 16-0312	EA		Device Mounting Plate (Wiremold 6TRAC)..... Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	18.41	6.37
26 05 33 16-0313	EA		20AMP Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	40.70	9.56
26 05 33 16-0314	EA		Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	17.19	6.37
26 05 33 16-0315	EA		Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	17.53	6.37
26 05 33 16-0316	EA		20AMP Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	116.28	11.47
26 05 33 16-0317	EA		Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	21.11	6.37
26 05 33 16-0318	EA		Bottom Housing Assembly (Wiremold 5PTHA)..... Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	21.83	6.37
26 05 33 16-0319	EA		Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	22.34	6.37
26 05 33 16-0320	EA		Bottom Housing Assembly (Wiremold 152CHA)..... Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	36.16	12.75
26 05 33 16-0321	EA		Bottom Housing Assembly (Wiremold 575CHA)..... Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	42.28	15.93
26 05 33 16-0322	EA		Bottom Housing Assembly (Wiremold 175CHA)..... Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	45.59	15.93
26 05 33 16-0323	EA		Bottom Housing Assembly (Wiremold 1125CHA)..... Note: One-gang 1 1/4" trade size conduit housing assembly.	35.04	12.75
26 05 33 16-0324	EA		Bottom Housing Assembly (Wiremold 1PTHA)..... Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	21.71	6.37
26 05 33 16-0325	EA		Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	21.71	6.37
26 05 33 16-0326	EA		Bottom Housing Assembly (Wiremold 15FFHA)..... Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	22.66	6.37

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA)..... Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	23.30	6.37
26 05 33 16-0328		Evolution 8AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	856.40	50.98
26 05 33 16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	816.65	50.98
26 05 33 16-0331	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	809.17	50.98
26 05 33 16-0332	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	802.07	50.98
26 05 33 16-0333	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	495.14	47.80
26 05 33 16-0334	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	551.15	47.80
26 05 33 16-0335	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS)..... Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	148.04	25.49
26 05 33 16-0336	EA	Surface Style Cover Assembly (Wiremold 8CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	281.88	12.75
26 05 33 16-0337	EA	Flush Style Cover Assembly (Wiremold 8CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	281.88	12.75
26 05 33 16-0338	EA	Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	49.46	3.18
26 05 33 16-0339	EA	Device Mounting Plate (Wiremold 8B)..... Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	19.44	6.37
26 05 33 16-0340	EA	Device Mounting Plate (Wiremold 8DP)..... Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	19.53	6.37
26 05 33 16-0341	EA	Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GGCI's, 106 adapters or AV devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	19.63	6.37
26 05 33 16-0342	EA	Device Mounting Plate (Wiremold 8ACT6A)..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	22.12	6.37
26 05 33 16-0343	EA	Mosaic Mounting Plate (Wiremold 8MOS)..... Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	25.94	6.37
26 05 33 16-0344	EA	Crestron Double Gang Plate (Wiremold 8CREST)..... Note: Device plate accepts Crestron double-gang decorator style devices.	25.91	6.37
26 05 33 16-0345	EA	Device Mounting Plate (Wiremold 8S1)..... Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	18.98	6.37
26 05 33 16-0346	EA	Device Mounting Plate (Wiremold 8S2)..... Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	19.17	6.37
26 05 33 16-0347	EA	Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	18.98	6.37
26 05 33 16-0348	EA	Device Mounting Plate (Wiremold 8SER)..... Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	18.98	6.37
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8MAAP)..... Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	25.60	6.37
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8AAP)..... Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	22.00	6.37
26 05 33 16-0351	EA	8" Divider (Wiremold 8DIV)..... Note: Divider allows for separation of services when required.	24.75	6.37
26 05 33 16-0352	EA	Bottom Housing Assembly (Wiremold 22CHA)..... Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	36.16	12.75

26 05 33 23 Surface Raceways For Electrical Systems (26 05 33)**26 05 33 23-0001 Raceways** (26 05 33 23)

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

26 05 33 23-0002	Wireway With Screw Cover <small>(26 05 33 23-0001)</small> Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.									
26 05 33 23-0003	2-1/2" x 2-1/2", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>	LF 2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover 18.82 <i>For Combination Hinged Screw Cover, Add</i> 0.36 <i>For Concrete Or Masonry Surface, Add</i> 0.58 EA 2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover.....20.08 <i>For Combination Hinged Screw Cover, Add</i> 0.13 EA 2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover .....24.39 <i>For Combination Hinged Screw Cover, Add</i> 0.13 EA 2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover.....48.40 <i>For Combination Hinged Screw Cover, Add</i> 0.38 EA 2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover .....63.57 <i>For Combination Hinged Screw Cover, Add</i> 1.14 EA 2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover .....92.74 <i>For Combination Hinged Screw Cover, Add</i> 1.74 EA 2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover .....103.57 <i>For Combination Hinged Screw Cover, Add</i> 1.97	5.83	8.73	10.90	20.39	20.39	29.01	32.04	
26 05 33 23-0011	4" x 4", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>	LF 4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover .....23.22 <i>For Combination Hinged Screw Cover, Add</i> 0.43 <i>For Concrete Or Masonry Surface, Add</i> 0.73 LF 4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover .....34.99 <i>For Combination Hinged Screw Cover, Add</i> 1.02 <i>For Concrete Or Masonry Surface, Add</i> 0.73 EA 4" x 4", End Plate For Surface Mounted Wireway With Screw Cover .....15.53 <i>For Combination Hinged Screw Cover, Add</i> 0.14 EA 4" x 4", Coupling For Surface Mounted Wireway With Screw Cover .....27.18 <i>For Combination Hinged Screw Cover, Add</i> 0.14 EA 4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover .....58.19 <i>For Combination Hinged Screw Cover, Add</i> 0.41 EA 4" x 4", Elbow For Surface Mounted Wireway With Screw Cover .....74.87 <i>For Combination Hinged Screw Cover, Add</i> 1.25 EA 4" x 4", Tee For Surface Mounted Wireway With Screw Cover .....102.63 <i>For Combination Hinged Screw Cover, Add</i> 1.89 EA 4" x 4", Cross For Surface Mounted Wireway With Screw Cover .....119.05 <i>For Combination Hinged Screw Cover, Add</i> 2.17	7.34	7.34	6.41	12.23	24.93	24.93	32.39	37.87
26 05 33 23-0020	6" x 6", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>	LF 6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover .....32.25 <i>For Combination Hinged Screw Cover, Add</i> 0.74 <i>For Concrete Or Masonry Surface, Add</i> 0.88 LF 6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover .....52.88 <i>For Combination Hinged Screw Cover, Add</i> 1.77 <i>For Concrete Or Masonry Surface, Add</i> 0.88 EA 6" x 6", End Plate For Surface Mounted Wireway With Screw Cover .....18.34 <i>For Combination Hinged Screw Cover, Add</i> 0.22 EA 6" x 6", Coupling For Surface Mounted Wireway With Screw Cover .....33.49 <i>For Combination Hinged Screw Cover, Add</i> 0.22 EA 6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover .....74.87 <i>For Combination Hinged Screw Cover, Add</i> 0.85 EA 6" x 6", Elbow For Surface Mounted Wireway With Screw Cover .....92.49 <i>For Combination Hinged Screw Cover, Add</i> 1.73 EA 6" x 6", Tee For Surface Mounted Wireway With Screw Cover .....134.53 <i>For Combination Hinged Screw Cover, Add</i> 3.11 EA 6" x 6", Cross For Surface Mounted Wireway With Screw Cover .....148.95 <i>For Combination Hinged Screw Cover, Add</i> 3.25	8.73	8.73	6.99	14.56	29.01	29.01	36.24	41.95
26 05 33 23-0029	8" x 8", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>	LF 8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover .....46.67 <i>For Combination Hinged Screw Cover, Add</i> 1.38 <i>For Concrete Or Masonry Surface, Add</i> 0.95 LF 8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover .....76.07 <i>For Combination Hinged Screw Cover, Add</i> 2.85 <i>For Concrete Or Masonry Surface, Add</i> 0.95 EA 8" x 8", End Plate For Surface Mounted Wireway With Screw Cover .....20.06 <i>For Combination Hinged Screw Cover, Add</i> 0.25 EA 8" x 8", Coupling For Surface Mounted Wireway With Screw Cover .....36.37 <i>For Combination Hinged Screw Cover, Add</i> 0.25 EA 8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover .....83.11 <i>For Combination Hinged Screw Cover, Add</i> 0.96 EA 8" x 8", Elbow For Surface Mounted Wireway With Screw Cover .....111.73 <i>For Combination Hinged Screw Cover, Add</i> 2.39 EA 8" x 8", Tee For Surface Mounted Wireway With Screw Cover .....156.94 <i>For Combination Hinged Screw Cover, Add</i> 3.91 EA 8" x 8", Cross For Surface Mounted Wireway With Screw Cover .....210.74 <i>For Combination Hinged Screw Cover, Add</i> 5.76	9.56	9.56	7.57	15.73	31.92	31.92	39.39	47.77
26 05 33 23-0038	10" x 10", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>									

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0039	LF		10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover.....	64.58	11.07
			<i>For Combination Hinged Screw Cover, Add</i>	2.12	
			<i>For Concrete Or Masonry Surface, Add</i>	1.11	
26 05 33 23-0040	LF		10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover	104.36	11.07
			<i>For Combination Hinged Screw Cover, Add</i>	4.11	
			<i>For Concrete Or Masonry Surface, Add</i>	1.11	
26 05 33 23-0041	EA		10" x 10", End Plate For Surface Mounted Wireway With Screw Cover	25.91	8.73
			<i>For Combination Hinged Screw Cover, Add</i>	0.42	
26 05 33 23-0042	EA		10" x 10", Coupling For Surface Mounted Wireway With Screw Cover.....	43.39	17.48
			<i>For Combination Hinged Screw Cover, Add</i>	0.42	
26 05 33 23-0043	EA		10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover	101.73	34.72
			<i>For Combination Hinged Screw Cover, Add</i>	1.61	
26 05 33 23-0044	EA		10" x 10", Elbow For Surface Mounted Wireway With Screw Cover	158.50	34.72
			<i>For Combination Hinged Screw Cover, Add</i>	4.45	
26 05 33 23-0045	EA		10" x 10", Tee For Surface Mounted Wireway With Screw Cover.....	229.52	43.81
			<i>For Combination Hinged Screw Cover, Add</i>	7.10	
26 05 33 23-0046	EA		10" x 10", Cross For Surface Mounted Wireway With Screw Cover	312.37	49.52
			<i>For Combination Hinged Screw Cover, Add</i>	10.67	
26 05 33 23-0047			12" x 12", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0048	LF		12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover.....	76.26	13.40
			<i>For Combination Hinged Screw Cover, Add</i>	2.47	
			<i>For Concrete Or Masonry Surface, Add</i>	1.34	
26 05 33 23-0049	LF		12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover	116.23	13.40
			<i>For Combination Hinged Screw Cover, Add</i>	4.47	
			<i>For Concrete Or Masonry Surface, Add</i>	1.34	
26 05 33 23-0050	EA		12" x 12", End Plate For Surface Mounted Wireway With Screw Cover	31.53	9.33
			<i>For Combination Hinged Screw Cover, Add</i>	0.64	
26 05 33 23-0051	EA		12" x 12", Coupling For Surface Mounted Wireway With Screw Cover.....	50.18	18.64
			<i>For Combination Hinged Screw Cover, Add</i>	0.64	
26 05 33 23-0052	EA		12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover	124.47	37.87
			<i>For Combination Hinged Screw Cover, Add</i>	2.44	
26 05 33 23-0053	EA		12" x 12", Elbow For Surface Mounted Wireway With Screw Cover	199.65	37.87
			<i>For Combination Hinged Screw Cover, Add</i>	6.20	
26 05 33 23-0054	EA		12" x 12", Tee For Surface Mounted Wireway With Screw Cover.....	254.87	46.61
			<i>For Combination Hinged Screw Cover, Add</i>	8.08	
26 05 33 23-0055	EA		12" x 12", Cross For Surface Mounted Wireway With Screw Cover	387.90	52.44
			<i>For Combination Hinged Screw Cover, Add</i>	14.15	
26 05 33 23-0056			Surface Metal Raceways <small>(26 05 33 23-0001)</small>		
			Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0057			One Piece Surface Metal Raceways <small>(26 05 33 23-0056)</small>		
			Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0058			3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) <small>(26 05 33 23-0057)</small>		
			Note: Available in ivory.		
26 05 33 23-0059	LF		3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500).....	4.62	1.74
			<i>For Concrete Or Masonry Surface, Add</i>	0.18	
26 05 33 23-0060	EA		Bushing (Wiremold #502)	4.93	2.33
26 05 33 23-0061	EA		One Or Two Hole Strap (Wiremold #504)	4.96	2.33
26 05 33 23-0062	EA		Connection Cover (Wiremold #506).....	5.09	2.33
26 05 33 23-0063	EA		Flat 90 Degree Elbow (Wiremold #511)	7.28	2.79
26 05 33 23-0064	EA		Flat 45 Degree Elbow (Wiremold #512)	10.93	2.91
26 05 33 23-0065	EA		Adjustable Internal Elbow (Wiremold #517)	9.04	3.50
26 05 33 23-0066	EA		Adjustable External Elbow (Wiremold #518).....	8.89	3.50
26 05 33 23-0067			3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) <small>(26 05 33 23-0057)</small>		
			Note: Available in ivory and white.		
26 05 33 23-0068	LF		#700, 3/4" x 21/32" One Piece Surface Metal Raceway	5.92	2.33
			<i>For Concrete Or Masonry Surface, Add</i>	0.23	
26 05 33 23-0069	EA		#702 Bushing.....	5.02	2.33
26 05 33 23-0070	EA		#704 One Or Two Hole Strap	5.13	2.33
26 05 33 23-0071	EA		#706 Connection Cover	5.15	2.33
26 05 33 23-0072	EA		#711 Flat 90 Degree Elbow	11.04	4.66
26 05 33 23-0073	EA		#712 Flat 45 Degree Elbow	15.62	4.66
26 05 33 23-0074	EA		#717 Adjustable Internal Elbow.....	11.68	4.66
26 05 33 23-0075	EA		#718 Adjustable External Elbow	11.39	4.66
26 05 33 23-0076			One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) <small>(26 05 33 23-0057)</small>		
			Note: Available in ivory.		
26 05 33 23-0077	EA		#5700F 18" Flex Fitting, For #500 Or 700.....	26.08	3.50
26 05 33 23-0078	EA		#5701 Galvanized Coupling, For #500 Or 700	5.11	2.33
26 05 33 23-0079	EA		#5703 Supporting Clip, For #500 Or 700	5.11	2.33
26 05 33 23-0080	EA		#5709 Ground Clamp.....	12.67	3.50
26 05 33 23-0081	EA		#5709GC Grounding Connector	11.06	3.50
26 05 33 23-0082	EA		#5711 L Or R (Left Or Right) Twisted Internal Ell	13.01	4.66
26 05 33 23-0083	EA		#5715 Tee.....	15.02	5.83
26 05 33 23-0084	EA		#5719 Corner Box, 2-1/2" x 2-3/8" x 2-1/2"	22.53	4.66

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----------------	------------------------	----------------------

26 05 33 23-0085	EA #57242 Utility Box For #500 Or #700.....	18.04	4.66
26 05 33 23-0086	EA #5731 Blank Cover, 2-3/8" Diameter	9.97	2.91
26 05 33 23-0087	EA #5733 Outlet Box, 3" Diameter	21.61	4.66
26 05 33 23-0088	EA #5735 Distribution Box, 4-3/4" Square x 1-3/8" Deep	21.56	4.66
26 05 33 23-0089	EA #5736 Blank Cover, 4-3/8".....	10.45	2.91
26 05 33 23-0090	EA #5737 Extension Box/Open Base, 4-3/4" Diameter	19.87	4.66
26 05 33 23-0091	EA #5737A Extension Box/Open Base, 5-1/2" Diameter.....	19.28	4.66
26 05 33 23-0092	EA #5738 Fixture Box/Solid Base, 4-3/4" Diameter.....	19.42	4.66
26 05 33 23-0093	EA #5738A Fixture Box/Solid Base, 5-1/2" Diameter	19.42	4.66
26 05 33 23-0094	EA #5738AF Fan Box/Solid Base, 5-1/2" Diameter.....	21.56	4.66
26 05 33 23-0095	EA #5739 Fixture Box/Solid Base, 6-3/8"	21.33	4.66
26 05 33 23-0096	EA #5739A Extension Box/Open Base, 6-3/8" Diameter.....	22.56	4.66
26 05 33 23-0097	EA #57240 Standard Switch Box For #500, Or #700	26.95	7.57
26 05 33 23-0098	EA #57243G Duplex Receptacle And Box, Ground, For #500 Or #700	44.29	14.56
26 05 33 23-0099	EA #5741 Switch And Receptacle Box For Shallow Type Switches, 2-13/16" x 4-5/8" x 1-3/8"	21.55	7.57
26 05 33 23-0100	EA #5744 Extra Deep Switch And Receptacle Box, 1 Gang, 4-5/8" x 2-7/8" x 2-3/4".....	31.25	7.57
26 05 33 23-0101	EA #5744-2 Extra Deep Switch And Receptacle Box, 2 Gang, 4-3/4" x 4-3/4" x 2-3/4"	35.11	7.57
26 05 33 23-0102	EA #5744-3 Extra Deep Switch And Receptacle Box, 3 Gang, 4-5/8" x 6-1/2" x 2-3/4"	50.78	7.57
26 05 33 23-0103	EA #5744S Signal Box 1 Gang.....	28.03	6.41
26 05 33 23-0104	EA #5744S-2 Signal Box 2 Gang	30.80	6.41
26 05 33 23-0105	EA #5744S-3 Signal Box 3 Gang.....	46.91	6.41
26 05 33 23-0106	EA #5745 Combination Switch And Receptacle Box With 1/2" KO's, 4-5/8" x 2-7/8" x 1-3/4".....	22.28	7.57
26 05 33 23-0107	EA #5747 Shallow Switch And Receptacle Box For Standard Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/8".....	20.18	7.57
26 05 33 23-0108	EA #5747-2 Shallow Switch And Receptacle Box For Standard Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/8".....	26.41	7.57
26 05 33 23-0109	EA #5747-3 Shallow Switch And Receptacle Box For Standard Shallow Devices, 3 Gang, 4-5/8" x 6-1/2" x 2-3/4".....	46.77	7.57
26 05 33 23-0110	EA #5748 Switch And Receptacle Box For Deep Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4".....	21.24	7.57
26 05 33 23-0111	EA #5748-2 Switch And Receptacle Box For Deep Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4".....	27.67	7.57
26 05 33 23-0112	EA #5748-3 Switch And Receptacle Box For Deep Devices, 3 Gang, 4-5/8" x 6-1/2" x 1-3/4".....	45.60	7.57
26 05 33 23-0113	EA #5748-4 Switch And Receptacle Box For Deep Devices, 4 Gang, 4-5/8" x 8-11/32" x 1-3/4".....	65.32	7.57
26 05 33 23-0114	EA #5748-5 Switch And Receptacle Box For Deep Devices, 5 Gang, 4-5/8" x 10-5/32" x 1-3/4".....	104.54	7.57
26 05 33 23-0115	EA #5748-6 Switch And Receptacle Box For Deep Devices, 6 Gang, 4-5/8" x 11-31/32" x 1-3/4".....	106.30	7.57
26 05 33 23-0116	EA #5748-S Shallow Switch And Receptacle Box For Shallow Duplex Devices, 4-3/8" x 2-7/8" x 15/16".....	21.03	7.57
26 05 33 23-0117	EA #5751 Flush-Type Extension Adapter, 1 Gang, 4-5/8" x 2-7/8" x 15/16"	20.59	7.57
26 05 33 23-0118	EA #5751-2 Flush-Type Extension Adapter, 2 Gang, 4-3/4" x 4-3/4" x 15/16"	25.78	7.57
26 05 33 23-0119	EA #5751-3 Flush-Type Extension Adapter, 3 Gang, 4-5/8" x 6-1/2" x 15/16"	45.99	7.57
26 05 33 23-0120	EA #5751A Deep Flush-Type Extension Adapter, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4"	21.86	7.57
26 05 33 23-0121	EA #5752 Alarm Device Box, 2 Gang, 4-11/16" x 4-11/16" x 1-3/8"	26.86	7.57
26 05 33 23-0122	EA #5753 Extra Deep Alarm Device Box, 2 Gang, 4-11/16" x 4-11/16" x 2-3/4".....	36.56	7.57
26 05 33 23-0123	EA #5760 Blank Extension Box.....	12.89	2.91
26 05 33 23-0124	EA #5780 Special Nipple, 1/2".....	12.37	2.91
26 05 33 23-0125	EA #5781 1/2" Box Connector.....	8.85	2.91
26 05 33 23-0126	EA #5781A 3/4" Box Connector	15.41	3.50
26 05 33 23-0127	EA #5782 1/2" Conduit Connector.....	8.92	2.91
26 05 33 23-0128	EA #5782A 3/4" Conduit Connector	18.74	3.50
26 05 33 23-0129	EA #5784 1/2" Elbow Conduit Connector	17.02	3.50
26 05 33 23-0130	EA #5785 Combination Connector, To Any 3-1/4" Or 4" Outlet Box.....	10.46	3.50
26 05 33 23-0131	EA #5786 Offset Connector.....	15.96	3.50
26 05 33 23-0132	EA #5790B Armor Cable Connector.....	9.02	2.91
26 05 33 23-0133	EA #5791 1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700	7.82	2.33

26 05 33 23-0134 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) (26 05)

33 23-0057
 Note: Galvanized finish.

26 05 33 23-0135	LF #1500-10, 1-9/16" x 11/32" One Piece Surface Metal Raceway	8.21	2.91
	<i>For Concrete Or Masonry Surface, Add</i>	0.29	
26 05 33 23-0136	EA #1500WC Wire Clip	5.45	2.33
26 05 33 23-0137	EA #1502 Bushing.....	6.56	2.91
26 05 33 23-0138	EA #1504 2-Hole Strap.....	7.54	3.50
26 05 33 23-0139	EA #1511 Flat Elbow	27.59	11.07
26 05 33 23-0140	EA #1517 Internal Elbow	28.27	11.07
26 05 33 23-0141	EA #1517B Adapter Fitting	29.84	11.07
26 05 33 23-0142	EA #1518 External Elbow	29.71	11.07
26 05 33 23-0143	EA #1528 Utility Box	25.24	7.57
26 05 33 23-0144	EA #1542D Junction Box.....	25.87	7.57
26 05 33 23-0145	EA #1543GL Duplex Receptacle	50.51	14.56
26 05 33 23-0146	EA #1546A Single Receptacle Box	26.49	7.57
26 05 33 23-0147	EA #1546B Duplex Receptacle Box	31.29	7.57
26 05 33 23-0148	EA #1546T Telephone Box	30.79	7.57
26 05 33 23-0149	EA #1585 Combination Connection.....	14.77	3.50

26 05 33 23-0150 2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) (26 05)

33 23-0057
 Note: Galvanized finish.

26 05 33 23-0151	LF #2600-10, 2-7/32" x 28/32" One Piece Surface Metal Raceway	13.82	5.24
	<i>For Concrete Or Masonry Surface, Add</i>	0.52	
26 05 33 23-0152	EA #2600WC Wire Clip	5.46	2.33
26 05 33 23-0153	EA #2602 Fiber Bushing.....	5.91	2.33
26 05 33 23-0154	EA #2611 2-5/8 90 Degree Flat Elbow	18.10	4.08
26 05 33 23-0155	EA #2642D Junction Box, 5" Diameter	26.91	5.83
26 05 33 23-0156	EA #2686FO Service Fitting	27.29	6.99

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 33 23-0157		Two Piece Surface Metal Raceways <small>(26 05 33 23-0056)</small>			
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).			
26 05 33 23-0158		1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) <small>(26 05 33 23-0157)</small>			
26 05 33 23-0159	LF	#2000BC, 1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover	8.00		2.91
		<i>For Concrete Or Masonry Surface, Add</i>	0.29		
26 05 33 23-0160	EA	#2000WC Wire Clip	4.06		2.33
26 05 33 23-0161	EA	#2001 Coupling	11.19		2.91
26 05 33 23-0162	EA	#2003 Supporting Clip	4.93		1.74
26 05 33 23-0163	EA	#2006 Cover Clip	4.65		1.74
26 05 33 23-0164	EA	#2009 Ground Clamp	11.04		2.91
26 05 33 23-0165	EA	#2010A2 Entrance End Fitting	23.68		8.73
26 05 33 23-0166	EA	#2010A3 Entrance End Fitting	38.43		11.65
26 05 33 23-0167	EA	#2010B Blank End Fitting	6.66		2.91
26 05 33 23-0168	EA	#2011 Flat 90 Degree Elbow	20.43		7.57
26 05 33 23-0169	EA	#2015 Tee	35.63		10.95
26 05 33 23-0170	EA	#2017TC Internal Corner Coupling	13.67		5.83
26 05 33 23-0171	EA	#2048 Single Gang device Box	30.26		10.37
26 05 33 23-0172	EA	#2048-2 2-Gang device Box	44.66		11.54
26 05 33 23-0173	EA	#2051H Flush Plate Adapter	32.97		11.54
26 05 33 23-0174	EA	#2089 Side Reducing Connector	24.81		5.83
26 05 33 23-0175	EA	#2089E End Reducing Connector	10.56		2.91
26 05 33 23-0176		1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) <small>(26 05 33 23-0157)</small>			
		Note: Available in gray enamel (G) or ivory (V).			
26 05 33 23-0177	LF	#2400B, 1-7/8" x 7/8" Two Piece Surface Metal Raceway Base	7.00		2.91
		<i>For Concrete Or Masonry Surface, Add</i>	0.29		
26 05 33 23-0178	LF	#2400BD, 1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base	7.46		2.91
		<i>For Concrete Or Masonry Surface, Add</i>	0.29		
26 05 33 23-0179	LF	#2400C Raceway Cover	2.36		0.58
26 05 33 23-0180	EA	#2400WC Wire Clip	4.01		2.33
26 05 33 23-0181	EA	#2401 Coupling	11.07		2.91
26 05 33 23-0182	EA	#2401D Divided Raceway Coupling	8.07		2.91
26 05 33 23-0183	EA	#2406 Cover Clip	4.57		1.74
26 05 33 23-0184	EA	#2407-2CM Device Bracket Frame	30.86		8.73
26 05 33 23-0185	EA	#2407-2TJ Device Bracket Frame	29.83		8.73
26 05 33 23-0186	EA	#2409 Ground Clamp	7.68		2.33
26 05 33 23-0187	EA	#2410A End Fitting	22.45		8.73
26 05 33 23-0188	EA	#2410B Blank End	6.62		2.91
26 05 33 23-0189	EA	#2410BD Divided Blank End Fitting	6.68		2.91
26 05 33 23-0190	EA	#2410C Entrance End Fitting	30.72		8.73
26 05 33 23-0191	EA	#2410D Divided Entrance End Fitting	29.73		8.73
26 05 33 23-0192	EA	#2410DFO Divided Entrance End Fitting	44.56		8.73
26 05 33 23-0193	EA	#2410FC Full Cap Entrance End Fitting	35.67		8.73
26 05 33 23-0194	EA	#2411D Divided Flat 90 Degree Elbow	24.41		8.73
26 05 33 23-0195	EA	#2411DFO Radiused Divided Flat 90 Degree Elbow	35.15		8.73
26 05 33 23-0196	EA	#2411FO Radiused Flat 90 Degree Elbow	32.12		8.62
26 05 33 23-0197	EA	#2411M Flat 90 Degree Elbow	23.58		8.73
26 05 33 23-0198	EA	#2415DFO Radiused Divided Tee	37.19		8.62
26 05 33 23-0199	EA	#2415FO Radiused Tee	35.68		8.62
26 05 33 23-0200	EA	#2415M Tee	26.69		8.62
26 05 33 23-0201	EA	#2417D Divided Internal Coupling	23.34		8.62
26 05 33 23-0202	EA	#2417DFO Radiused Divided Internal Coupling	32.96		8.62
26 05 33 23-0203	EA	#2417FO Radiused Internal Coupling	32.17		8.62
26 05 33 23-0204	EA	#2417M Internal Coupling	22.82		8.62
26 05 33 23-0205	EA	#2418DFO Radiused Divided External Coupling	35.26		8.62
26 05 33 23-0206	EA	#2418FO Radiused External Coupling	34.79		8.62
26 05 33 23-0207	EA	#2418M External Coupling	26.35		8.62
26 05 33 23-0208	EA	#2444 Extra Deep Switch And Receptacle, 1 Gang	31.83		7.57
26 05 33 23-0209	EA	#2444-2 Extra Deep Switch And Receptacle Box, 2 Gang	34.73		7.57
26 05 33 23-0210	EA	#2444-2LS Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang	34.88		7.57
26 05 33 23-0211	EA	#2444D Divided Extra Deep Switch And Receptacle, 1 Gang	33.65		7.57
26 05 33 23-0212	EA	#2444D-2A Divided Extra Deep Switch And Receptacle Box, 2 Gang	45.19		7.57
26 05 33 23-0213	EA	#2444D-2N Divided Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang	40.45		7.57
26 05 33 23-0214	EA	#2448 Switch And Receptacle Box For Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4"	23.98		7.57
26 05 33 23-0215	EA	#2448-2 Switch And Receptacle Box For Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4"	34.09		7.57
26 05 33 23-0216	EA	#2450 Adapter Plate, Device Bracket Type	10.90		2.91
26 05 33 23-0217	EA	#2451H 4-1/2" x 4-1/2" Back Feed Fitting	27.17		8.73
26 05 33 23-0218	EA	#2475D Bridge Fitting 2400/700/500	68.17		8.73
26 05 33 23-0219	EA	#2489 Side Reducing Connector	21.43		4.66
26 05 33 23-0220		2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) <small>(26 05 33 23-0157)</small>			
		Note: Available in gray enamel (G) or ivory (V).			
26 05 33 23-0221	LF	#3000B, 2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base	13.55		5.24
		<i>For Concrete Or Masonry Surface, Add</i>	0.52		
26 05 33 23-0222	LF	#3000CE Raceway Cover	2.75		0.58
26 05 33 23-0223	EA	#3000WC Wire Clips For Conductors	5.00		2.33
26 05 33 23-0224	EA	#3001 Couplings	13.42		2.33
26 05 33 23-0225	EA	#3001A Rigid Inside Coupling	11.70		2.91
26 05 33 23-0226	EA	#3003 Supporting Clip	9.16		2.91

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

26 05 33 23-0227	EA	#3006E Clip Cover.....	5.73	2.33
26 05 33 23-0228	EA	#3007C Device Brackets	13.85	4.66
26 05 33 23-0229	EA	#3008C C-Hanger.....	12.97	3.50
26 05 33 23-0230	EA	#3010AE Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors.....	32.26	11.07
26 05 33 23-0231	EA	#3010B Blank End Fittings.....	12.24	4.66
26 05 33 23-0232	EA	#3010C Entrance End Fitting For Connecting To Rigid Or Flexible Conduit	34.90	11.07
26 05 33 23-0233	EA	#3011E Flat 90 Degree Elbow.....	50.90	14.44
26 05 33 23-0234	EA	#3014C Wall Box Connector.....	39.28	14.56
26 05 33 23-0235	EA	#3015E Tee Fitting	68.74	18.06
26 05 33 23-0236	EA	#3017TCE Internal Corner Coupling.....	34.28	11.07
26 05 33 23-0237	EA	#3018AE External Corner.....	40.48	11.07
26 05 33 23-0238	EA	#3027AE Single Receptacle Cover, With Face Diameters Of 1.38"-1.4".....	31.11	11.07
26 05 33 23-0239	EA	#3028 Utility Box.....	47.34	11.07
26 05 33 23-0240	EA	#3033JE Single Receptacle Cover, With Face Diameters Of 1.56"-1.57".....	14.82	2.91
26 05 33 23-0241	EA	#3036HE Blank Cover.....	16.02	2.91
26 05 33 23-0242	EA	#3040CE Switch Cover.....	14.79	2.91
26 05 33 23-0243	EA	#3043BE Duplex Receptacle Cover	15.35	3.50
26 05 33 23-0244	EA	#3043GE 15 Amp, 125 Volt Duplex Grounding Receptacle And Cover.....	45.62	15.15
26 05 33 23-0245	EA	#3044-2 Extra Deep Switch And Receptacle Box, 2 Gang	52.34	11.07
26 05 33 23-0246	EA	#3046BE Duplex Receptacle Cover	15.28	3.50
26 05 33 23-0247	EA	#3046H-2 Tap Off Fitting.....	14.62	2.91
26 05 33 23-0248	EA	#3046KD Circuit Breaker Housing, 1-15/16" Deep x 6" Long	53.78	6.99
26 05 33 23-0249	EA	#3046KTSQ Circuit Breaker Housing, 2-3/4" Deep x 7-3/8" Long	122.60	6.99
26 05 33 23-0250	EA	#3046QOU Circuit Breaker Housing, 1-13/16" Deep x 7-3/8" Long.....	47.61	6.99
26 05 33 23-0251	EA	#3046S Bump Up Device Plate Cover, 1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide.....	51.03	6.99
26 05 33 23-0252	EA	#3046U Bump Up Device Plate Cover, 1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide	51.03	6.99
26 05 33 23-0253	EA	#3048R Rectangular Receptacle Cover	17.32	3.50

26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) (26 05 33)

23-0157
 Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF	#4000B-10, 4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base	16.05	5.24
		<i>For Concrete Or Masonry Surface, Add</i>	<i>0.56</i>	
26 05 33 23-0256	LF	#4000C Raceway Cover	5.08	0.58
26 05 33 23-0257	LF	#4000D Divider.....	2.68	0.58
26 05 33 23-0258	EA	#4000WC Wire Clips For Conductors.....	5.87	2.91
26 05 33 23-0259	EA	#4001A Couplings	15.73	3.50
26 05 33 23-0260	EA	#4001D Divider Clip.....	8.12	3.50
26 05 33 23-0261	EA	#4006 Seam Clip	8.22	3.50
26 05 33 23-0262	EA	#4007C-1 Device Plate, 1 Gang	60.65	7.57
26 05 33 23-0263	EA	#4007C-1R Single Device Fitting.....	64.02	7.57
26 05 33 23-0264	EA	#4007C-2 Device Plate, 2 Gang	67.99	7.57
26 05 33 23-0265	EA	#4010B Blank End Fittings.....	16.10	4.66
26 05 33 23-0266	EA	#4010DFO Entrance End Fitting.....	61.81	17.94
26 05 33 23-0267	EA	#4011 Flat 90 Degree Elbow	56.02	14.56
26 05 33 23-0268	EA	#4011FO RADIUS Flat 90 Degree Elbow	64.36	14.56
26 05 33 23-0269	EA	#4012TX Internal Or External 45 Degree Elbow.....	62.50	18.06
26 05 33 23-0270	EA	#4014A Wall Box Connector.....	79.19	18.06
26 05 33 23-0271	EA	#4015 Tee Fitting.....	86.50	18.06
26 05 33 23-0272	EA	#4015D Divided Tee Fitting	89.44	18.06
26 05 33 23-0273	EA	#4015DFO RADIUS Full Capacity Divided Tee Fitting.....	104.41	18.06
26 05 33 23-0274	EA	#4015FO RADIUS Tee Fitting.....	104.69	18.06
26 05 33 23-0275	EA	#4017 Internal Elbow	53.12	18.06
26 05 33 23-0276	EA	#4017FO Internal Elbow	85.22	18.06
26 05 33 23-0277	EA	#4017N Inverted Internal Elbow.....	57.53	18.06
26 05 33 23-0278	EA	#4017TCA Internal Corner Coupling.....	50.79	18.06
26 05 33 23-0279	EA	#4018 External Elbow	73.17	18.06
26 05 33 23-0280	EA	#4018FO RADIUS External Elbow	82.93	18.06
26 05 33 23-0281	EA	#4046ARJ Single Locking Receptacle And Two RJ11/45 Modular Connectors Outlet Cover.....	64.88	7.57
26 05 33 23-0282	EA	#4046B-2 Double Duplex Receptacle Outlet Cover	68.48	7.57
26 05 33 23-0283	EA	#4046DRJ Duplex Receptacle And Two RJ11/45 Modular Connector Cover	68.48	7.57
26 05 33 23-0284	EA	#4046DRJ-2 Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover	89.82	7.57
26 05 33 23-0285	EA	#4046H-2 Tap-Off Fitting.....	22.94	7.57
26 05 33 23-0286	EA	#4046JRJ Combination Single Receptacle And Phone Outlet Center	56.72	3.50
26 05 33 23-0287	EA	#4046RRJ Rectangular Receptacle And Two RJ11/45 Modular Connector Cover	69.97	7.57
26 05 33 23-0288	EA	#4050 Device Mounting Bracket.....	23.97	7.57
26 05 33 23-0289	EA	#4074A Take-off Connector, #4000 To #3000.....	105.83	18.06
26 05 33 23-0290	EA	#4075D Bridge Fitting.....	96.58	18.06
26 05 33 23-0291	EA	#4075DA Bridge Fitting.....	96.58	18.06
26 05 33 23-0292	EA	#4086A Panel Connector.....	91.24	34.38
26 05 33 23-0293	EA	#4089 Reducing Connector Fitting	54.04	18.06

26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) (26 05)

33-0157
 Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF	#6000B-10, 4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base	22.18	6.41
		<i>For Concrete Or Masonry Surface, Add</i>	<i>0.64</i>	
26 05 33 23-0296	LF	#6000C Raceway Cover	6.11	1.74
26 05 33 23-0297	LF	#6000DA Divider.....	6.18	1.74
26 05 33 23-0298	EA	#6000WC Wire Clips For Conductors.....	6.60	2.91
26 05 33 23-0299	EA	#6001A Couplings	19.67	5.83
26 05 33 23-0300	EA	#6001D Divider Clip.....	8.88	2.91
26 05 33 23-0301	EA	#6001TX Converter Coupling	24.27	7.57
26 05 33 23-0302	EA	#6006 Connection Cover	23.30	7.57

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0303	EA		#6007C-1 Single Gang Device Plate	24.18	7.57
26 05 33 23-0304	EA		#6007C-2 Two Gang Device Plate.....	25.98	7.57
26 05 33 23-0305	EA		#6008A C-Hanger.....	37.81	11.07
26 05 33 23-0306	EA		#6010B Blank End Fittings.....	44.55	17.48
26 05 33 23-0307	EA		#6011TX Combination Flat Elbow.....	73.18	17.48
26 05 33 23-0308	EA		#6012TX Internal - External 45 Degree Elbow.....	73.77	16.78
26 05 33 23-0309	EA		#6014A Connector Fitting	101.22	18.06
26 05 33 23-0310	EA		#6017TX Combination Internal-External Elbow	76.96	19.81
26 05 33 23-0311	EA		#6046KD Circuit Breaker Housing	124.09	19.81
26 05 33 23-0312	EA		#6074 Take-off Connector, #6000 To #6000.....	118.64	17.48
26 05 33 23-0313	EA		#6074A Take-off Connector, #6000 To #4000.....	127.39	17.48
26 05 33 23-0314	EA		#6086 Panel Connector.....	97.58	40.55
26 05 33 23-0315 Two Piece Surface Aluminum Raceways (26 05 33 23-0056)					
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).					
26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) (26 05 33 23-0315)					
26 05 33 23-0317	LF		#AL2000B, 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base.....	10.16	2.91
For Concrete Or Masonry Surface, Add				0.29	
26 05 33 23-0318	LF		#AL2000C Aluminum Raceway Cover.....	4.60	0.58
26 05 33 23-0319	EA		#AL2000WC Wire Clip.....	5.11	2.33
26 05 33 23-0320	EA		#AL2001 Coupling.....	12.01	2.91
26 05 33 23-0321	EA		#AL2003 Supporting Clip.....	5.45	1.74
26 05 33 23-0322	EA		#AL2006 Cover Clip.....	6.66	1.74
26 05 33 23-0323	EA		#AL2009 Ground Clamp.....	9.75	2.91
26 05 33 23-0324	EA		#AL2010A Entrance End Fitting.....	27.54	8.73
26 05 33 23-0325	EA		#AL2010B Blank End Fitting.....	8.96	2.91
26 05 33 23-0326	EA		#AL2011 Flat 90 Degree Elbow.....	30.58	7.57
26 05 33 23-0327	EA		#AL2015 Tee.....	41.86	10.95
26 05 33 23-0328	EA		#AL2017 Internal Corner Elbow.....	27.10	5.83
26 05 33 23-0329	EA		#AL2018 External Corner Elbow.....	27.05	5.83
26 05 33 23-0330	EA		#AL2043 In-Line Receptacle, Two 15 Amp.....	45.38	11.54
26 05 33 23-0331	EA		#AL2038 4-13/16" Round Fixture Box.....	96.36	10.37
26 05 33 23-0332	EA		#AL2044 4-1/2" x 3" x 2-1/4" D Box.....	45.94	10.37
26 05 33 23-0333	EA		#AL2044-2 4-5/8" x 4-7/8" x 2-1/2" D Box.....	89.80	11.54
26 05 33 23-0334	EA		#AL2047 Single Gang Shallow Device Box.....	47.37	10.37
26 05 33 23-0335	EA		#AL2047-2 2-Gang Shallow Device Box.....	80.10	11.54
26 05 33 23-0336	EA		#AL2051H Flush Plate Adapter.....	37.86	11.54
26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) (26 05 33 23-0315)					
26 05 33 23-0338	LF		#AL2400B, 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base.....	10.26	2.91
For Concrete Or Masonry Surface, Add				0.29	
26 05 33 23-0339	LF		#AL2400C Aluminum Raceway Cover.....	4.11	0.58
26 05 33 23-0340	EA		#AL2400WC Wire Clip.....	6.10	2.33
26 05 33 23-0341	EA		#AL2401 Coupling.....	12.95	2.91
26 05 33 23-0342	EA		#AL2406 Cover Clip.....	7.52	1.74
26 05 33 23-0343	EA		#AL2409 Ground Clamp.....	6.78	2.33
26 05 33 23-0344	EA		#AL2410B Blank End.....	9.06	2.91
26 05 33 23-0345	EA		#AL2410B2 End Fitting.....	21.37	8.73
26 05 33 23-0346	EA		#AL2411 Flat 90 Degree Elbow.....	33.38	8.73
26 05 33 23-0347	EA		#AL2415 Tee.....	35.73	8.62
26 05 33 23-0348	EA		#AL2416 Fourway Fitting.....	40.77	8.62
26 05 33 23-0349	EA		#AL2417 Internal Coupling.....	33.23	8.62
26 05 33 23-0350	EA		#AL2418 External Coupling.....	35.26	8.62
26 05 33 23-0351	EA		#AL2451H 4-1/2" x 4-1/2" Back Feed Fitting.....	30.48	8.73
26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) (26 05 33 23-0315)					
26 05 33 23-0353	LF		#AL3300B, 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base.....	19.89	5.24
For Concrete Or Masonry Surface, Add				0.52	
26 05 33 23-0354	LF		#AL3300CE Aluminum Raceway Cover.....	5.43	0.58
26 05 33 23-0355	LF		#AL3300D Raceway Divider.....	4.52	5.24
26 05 33 23-0356	EA		#AL3300WC Wire Clips For Conductors.....	9.12	2.33
26 05 33 23-0357	EA		#AL3301 Couplings.....	17.50	2.33
26 05 33 23-0358	EA		#AL3301D Divider Coupling.....	13.92	2.91
26 05 33 23-0359	EA		#AL3309 Ground Clamp.....	9.53	2.33
26 05 33 23-0360	EA		#AL3310B Blank End Fittings.....	19.73	4.66
26 05 33 23-0361	EA		#AL3310B1 End Fitting.....	33.59	11.07
26 05 33 23-0362	EA		#AL3311 Flat 90 Degree Elbow.....	93.62	14.44
Note: Includes two (2) AL3301 couplings.					
26 05 33 23-0363	EA		#AL3315 Tee Fitting.....	108.07	18.06
Note: Includes three (3) AL3301 couplings.					
26 05 33 23-0364	EA		#AL3316 Cross Fitting.....	121.18	18.06
Note: Includes four (4) AL3301 couplings.					
26 05 33 23-0365	EA		#AL3317 Internal Elbow.....	86.64	11.07
Note: Includes two (2) AL3301 couplings.					
26 05 33 23-0366	EA		#AL3318 External Elbow.....	86.73	11.07
Note: Includes two (2) AL3301 couplings.					
26 05 33 23-0367	EA		#AL3346D Duplex Receptacle Cover.....	19.69	3.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0368	EA		#AL3346E Single Receptacle Cover.....	19.57	3.50
26 05 33 23-0369	EA		#AL3346G GFCI/Surge Receptacle Cover	19.38	3.50
26 05 33 23-0370	EA		#AL3356R Single Device Cover Plate	19.14	2.91
26 05 33 23-0371			5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0372	LF		#AL5200B-10, 5" x 2" Two Piece Surface Aluminum Raceway Base	23.34	5.24
			<i>For Concrete Or Masonry Surface, Add</i>	0.56	
26 05 33 23-0373	LF		#AL5200C Aluminum Raceway Cover.....	8.98	0.58
26 05 33 23-0374	LF		#AL5200D Divider.....	5.36	0.58
26 05 33 23-0375	EA		#AL5200WC Wire Clips For Conductors	7.67	2.91
26 05 33 23-0376	EA		#AL5200WC2 Wire Clips For Conductors	6.59	2.91
26 05 33 23-0377	EA		#AL5200WC3 Wire Clips For Conductors	6.55	2.91
26 05 33 23-0378	EA		#AL5201 Couplings	15.98	3.50
26 05 33 23-0379	EA		#AL5206 Cover Clip.....	13.52	3.50
26 05 33 23-0380	EA		#AL5209 Ground Adapter	17.33	3.50
26 05 33 23-0381	EA		#AL5210B Blank End Fittings	17.82	4.66
26 05 33 23-0382	EA		#AL5210B1 Blank End Fittings	18.94	4.66
26 05 33 23-0383	EA		#AL5210B2 Blank End Fittings	19.19	4.66
26 05 33 23-0384	EA		#AL5210B3 Blank End Fittings	18.68	4.66
26 05 33 23-0385	EA		#AL5211 Flat 90 Degree Elbow.....	92.13	14.56
			Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0386	EA		#AL5214 Wall Box Connector.....	76.11	18.06
26 05 33 23-0387	EA		#AL5215 Tee Fitting	108.36	18.06
			Note: Includes three (3) pairs of AL5201 couplings.		
26 05 33 23-0388	EA		#AL5216 Four Way Fitting.....	117.91	18.06
			Note: Includes four (4) pairs of AL5201 couplings.		
26 05 33 23-0389	EA		#AL5217 Internal Elbow.....	97.26	18.06
			Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0390	EA		#AL5217A Internal Corner Coupling	46.99	18.06
26 05 33 23-0391	EA		#AL5217N Inverted Internal Elbow	99.69	18.06
26 05 33 23-0392	EA		#AL5218 External Elbow	98.02	18.06
			Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0393	EA		#AL5246B Blank Device Cover Plate	20.80	3.50
26 05 33 23-0394	EA		#AL5246D Receptacle Device Cover Plate	24.30	3.50
26 05 33 23-0395	EA		#AL5246DD Double Receptacle Device Cover Plate	28.48	3.50
26 05 33 23-0396	EA		#AL5246F Device Cover Plate.....	26.83	3.50
26 05 33 23-0397	EA		#AL5246G Device Cover Plate	24.92	3.50
26 05 33 23-0398	EA		#AL5260 Offset Divider.....	24.76	7.57
26 05 33 23-0399			3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0400	LF		#ALA3800B-10 Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base	20.72	5.24
26 05 33 23-0401	EA		#ALA3806 Cover Clip	10.39	3.50
26 05 33 23-0402	EA		#ALA3810B Blank End Fittings.....	17.34	4.66
26 05 33 23-0403	EA		#ALA3810B1 Entrance End Cap Fittings.....	18.42	4.66
26 05 33 23-0404	EA		#ALA3811 Flat 90 Degree Elbow.....	88.72	14.56
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0405	EA		#ALA3815 Flat Tee Fitting	93.36	18.06
			Note: Includes three (3) ALA01 couplings.		
26 05 33 23-0406	EA		#ALA3817 Internal Elbow	91.32	18.06
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0407	EA		#ALA3817N Inverted Internal Elbow.....	105.55	18.06
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0408	EA		#ALA3818 External Elbow	92.37	18.06
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0409			6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0410	LF		#ALA4800B-10 Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base	29.75	5.24
26 05 33 23-0411	EA		#ALA4806 Cover Clip	13.55	3.50
26 05 33 23-0412	EA		#ALA4810B Blank End Fittings.....	17.81	4.66
26 05 33 23-0413	EA		#ALA4810B2 Entrance End Cap Fittings.....	19.49	4.66
26 05 33 23-0414	EA		#ALA4811 Flat 90 Degree Elbow.....	105.77	14.56
			Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0415	EA		#ALA4815 Flat Tee Fitting	143.54	18.06
			Note: Includes six (6) ALA01 couplings.		
26 05 33 23-0416	EA		#ALA4817 Internal Elbow	100.71	18.06
			Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0417	EA		#ALA4817N Inverted Internal Elbow.....	116.50	18.06
			Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0418	EA		#ALA4818 External Elbow	105.16	18.06
			Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0419			Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0420	LF		#ALAC-5 3" Wide Aluminum Raceway Cover.....	6.38	0.58
			Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.		
26 05 33 23-0421	EA		#ALAWC Wire Clips.....	6.21	2.91
26 05 33 23-0422	EA		#ALA01 Slide Couplings	16.10	3.50
26 05 33 23-0423	EA		#ALA09 Grounding Adapter.....	14.25	3.50
26 05 33 23-0424	EA		#ALA11RI Bend Radius Control Insert For Flat Elbow	38.94	14.56
26 05 33 23-0425	EA		#ALA17A Internal Corner Coupling.....	46.91	18.06

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 23-0426	EA	#ALA17/18RI Bend Radius Control Insert For Internal And External Elbow	42.28	14.56
26 05 33 23-0427	EA	#ALA-BL Blank Cover Plate	15.97	3.50
26 05 33 23-0428	EA	#ALA-DR Duplex Receptacle Cover Plate	16.88	3.50
26 05 33 23-0429	EA	#ALA-E Single Receptacle Cover Plate, 1.40" Diameter Opening.....	17.48	3.50
26 05 33 23-0430	EA	#ALA-F Single Receptacle Cover Plate, 1.59" Diameter Opening.....	17.35	3.50
26 05 33 23-0431	EA	#ALA-G GFCI/Surge/Decorator Cover Plate.....	17.00	3.50
26 05 33 23-0432	EA	#ALA-J Single Receptacle Cover Plate, 2.13" Diameter Opening	17.49	3.50
26 05 33 23-0433	EA	#ALA-N Toggle Switch Cover Plate.....	17.89	3.50
26 05 33 23-0434	EA	#ALA-LPB Active LPB Cover Plate	22.31	3.50
26 05 33 23-0435	EA	#ALA-MAB Active MAB Cover Plate	21.10	3.50
26 05 33 23-0436	EA	#ALA-MABRT Ortronics Cover Plate	23.98	3.50
26 05 33 23-0437	EA	#ALA-SG 1-3/4" x 2-3/4" Cover Plate	16.69	3.50
26 05 33 23-0438	EA	#ALA-2A Active 2A Cover Plate.....	23.24	3.50
26 05 33 23-0439	EA	#ALA-ABRT Ortronics Communications Cover Plate.....	21.46	3.50
26 05 33 23-0440	EA	#ALA-Z 3/4" Grommet/Mousehole Cover Plate	17.85	3.50
26 05 33 23-0441	EA	#ALA-LPB3S2 Ortronics Low Profile Cover Plate.....	21.63	3.50

26 05 33 23-0442 Surface Metal Raceway, Preassembled With Outlets (26 05 33 23-0056)

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).

26 05 33 23-0443	LF	Plugmold #2000, 3' With Outlets 6" On Center, Single Circuit	27.01	9.30
		For Concrete Or Masonry Surface, Add	0.93	
26 05 33 23-0444	LF	Plugmold #2000, 6' With Outlets 6" On Center, Single Circuit	20.61	6.63
		For Concrete Or Masonry Surface, Add	0.67	
26 05 33 23-0445	LF	Plugmold #2000, 6' With Outlets 9" On Center, Single Circuit.....	19.83	7.01
		For Concrete Or Masonry Surface, Add	0.70	
26 05 33 23-0446	LF	Plugmold #2000, 6' With Outlets 12" On Center, Single Circuit	21.24	6.63
		For Concrete Or Masonry Surface, Add	0.67	
26 05 33 23-0447	LF	Plugmold #2000, 6' With Outlets 18" On Center, Single Circuit.....	18.03	6.76
		For Concrete Or Masonry Surface, Add	0.67	
26 05 33 23-0448	LF	Plugmold #2000, 6' With Outlets 9" On Center, Two Circuits	23.29	6.63
		For Concrete Or Masonry Surface, Add	0.67	
26 05 33 23-0449	LF	Plugmold #2000, 6' With Outlets 12" On Center, Two Circuits.....	21.05	6.63
		For Concrete Or Masonry Surface, Add	0.67	
26 05 33 23-0450	LF	Plugmold #2000, 6' With Outlets 18" On Center, Two Circuits.....	22.40	6.63
		For Concrete Or Masonry Surface, Add	0.67	

26 05 33 23-0451 Surface Non-Metallic Raceways (26 05 33 23-0001)

Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.

26 05 33 23-0452 One Piece Surface Non-Metallic Raceways (26 05 33 23-0451)

Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).

26 05 33 23-0453 #400, 7/8" x 7/16" (26 05 33 23-0452)

26 05 33 23-0454	LF	#400BAC, 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover.....	6.22	2.33
		For Concrete Or Masonry Surface, Add	0.23	
26 05 33 23-0455	EA	#400WC Wire Clip	4.99	2.33
26 05 33 23-0456	EA	#406 Cover Clip	5.20	2.33
26 05 33 23-0457	EA	#410B Blank End Clip.....	10.10	4.66
26 05 33 23-0458	EA	#411 Flat 90 Degree Elbow	11.40	4.66
26 05 33 23-0459	EA	#415 Tee.....	14.32	5.83
26 05 33 23-0460	EA	#417 Internal Elbow	11.24	4.66
26 05 33 23-0461	EA	#418 External Elbow	11.24	4.66

26 05 33 23-0462 #800, 1-5/16" x 7/16" (26 05 33 23-0452)

26 05 33 23-0463	LF	#800BAC, 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover.....	7.04	2.33
		For Concrete Or Masonry Surface, Add	0.23	
26 05 33 23-0464	EA	#800WC Wire Clip	5.06	2.33
26 05 33 23-0465	EA	#806 Cover Clip	5.14	2.33
26 05 33 23-0466	EA	#810A2 Entrance End Fitting.....	14.62	4.66
26 05 33 23-0467	EA	#810B Blank End Fitting	10.19	4.66
26 05 33 23-0468	EA	#811 Flat 90 Degree Elbow	11.47	4.66
26 05 33 23-0469	EA	#815 Tee.....	14.38	5.83
26 05 33 23-0470	EA	#817 Internal Elbow	11.29	4.66
26 05 33 23-0471	EA	#818 External Elbow	11.29	4.66
26 05 33 23-0472	EA	#889A End Reducer, #800 To #400.....	12.49	4.66

26 05 33 23-0473 #2300, 2-1/4" x 11/16" (26 05 33 23-0452)

26 05 33 23-0474	LF	#2300BAC, 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover.....	7.98	2.33
		For Concrete Or Masonry Surface, Add	0.23	
26 05 33 23-0475	LF	#2300BACD, 2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover	8.43	2.33
		For Concrete Or Masonry Surface, Add	0.23	
26 05 33 23-0476	EA	#2300WC Wire Clip	5.26	2.33
26 05 33 23-0477	EA	#2306 Cover Clip	5.49	2.33
26 05 33 23-0478	EA	#2310A Entrance End Fitting.....	15.73	4.66
26 05 33 23-0479	EA	#2310B Blank End Fitting	10.63	4.66
26 05 33 23-0480	EA	#2310DFO Divided Entrance End Fitting.....	17.48	4.66
26 05 33 23-0481	EA	#2311 Flat 90 Degree Elbow	11.66	4.66
26 05 33 23-0482	EA	#2311DFO Divided Flat 90 Degree Elbow	12.39	4.66
26 05 33 23-0483	EA	#2315 Tee.....	14.49	5.83

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0484	EA		#2317 Internal Elbow.....	11.66	4.66
26 05 33 23-0485	EA		#2317DFO Divided Internal Elbow.....	12.41	4.66
26 05 33 23-0486	EA		#2318 External Elbow.....	11.68	4.66
26 05 33 23-0487	EA		#2318DFO Divided External Elbow.....	12.54	4.66
26 05 33 23-0488	EA		#2389 End Reducer, #2300 To #400.....	12.55	4.66
26 05 33 23-0489	EA		#2389A End Reducer, #2300 To #800.....	13.02	4.66
26 05 33 23-0490			#400, #800 Or #2300 Fittings (26 05 33 23-0452)		
26 05 33 23-0491	EA		#2336 Blank Cover, 4-1/2" Diameter.....	13.53	4.08
26 05 33 23-0492	EA		#2337A Extension Box, 5-1/2" Diameter.....	21.43	4.66
26 05 33 23-0493	EA		#2338-A Fixture Box, 5-1/2" Diameter.....	21.54	4.66
26 05 33 23-0494	EA		#2344 Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide.....	19.61	4.66
26 05 33 23-0495	EA		#2344-2 Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	22.45	4.66
26 05 33 23-0496	EA		#2344D Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide.....	21.21	4.66
26 05 33 23-0497	EA		#2344SD-2A Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	22.89	4.66
26 05 33 23-0498	EA		#2347 1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide.....	20.68	7.57
26 05 33 23-0499	EA		#2347-2 2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide.....	23.17	7.57
26 05 33 23-0500	EA		#2348 1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide.....	21.41	7.57
26 05 33 23-0501	EA		#2348-2 2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	25.17	7.57
26 05 33 23-0502	EA		#2348-3 3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide.....	29.53	7.57
26 05 33 23-0503	EA		#2348AMP 1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide.....	28.15	7.57
26 05 33 23-0504	EA		#2348D 1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide.....	25.77	7.57
26 05 33 23-0505	EA		#2348S/51 Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide.....	20.31	7.57
26 05 33 23-0506			#2700, 3/4" x 3/8" (26 05 33 23-0452)		
26 05 33 23-0507	LF		#2700, 3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover.....	6.12	2.33
			<i>For Concrete Or Masonry Surface, Add</i>	0.23	
26 05 33 23-0508	EA		#2700WC 3/4" Wire Clip.....	2.64	1.16
26 05 33 23-0509	EA		#2706 Cover Clip.....	3.88	1.16
26 05 33 23-0510	EA		#2710B Blank End.....	6.20	2.33
26 05 33 23-0511	EA		#2711 Flat 90 Degree Elbow.....	7.41	2.91
26 05 33 23-0512	EA		#2715 Tee.....	12.08	5.24
26 05 33 23-0513	EA		#2717 Internal Elbow.....	8.57	3.50
26 05 33 23-0514	EA		#2718 External Elbow.....	8.55	3.50
26 05 33 23-0515	EA		#2786 Drop Ceiling Connector.....	10.09	4.08
26 05 33 23-0516			#2800, 1" x 1/2" (26 05 33 23-0452)		
26 05 33 23-0517	LF		#2800, 1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover.....	7.71	2.91
			<i>For Concrete Or Masonry Surface, Add</i>	0.29	
26 05 33 23-0518	EA		#2800WC 1" Wire Clip.....	3.90	1.74
26 05 33 23-0519	EA		#2806 Cover Clip.....	5.02	1.74
26 05 33 23-0520	EA		#2810B Blank End.....	7.35	2.91
26 05 33 23-0521	EA		#2811 Flat 90 Degree Elbow.....	9.74	4.08
26 05 33 23-0522	EA		#2811FO Radiused Flat 90 Degree Elbow.....	10.29	4.08
26 05 33 23-0523	EA		#2815 Tee.....	14.41	6.41
26 05 33 23-0524	EA		#2817 Internal Elbow.....	10.90	4.66
26 05 33 23-0525	EA		#2818 External Elbow.....	10.92	4.66
26 05 33 23-0526	EA		#2815FO Radiused Tee.....	15.15	6.41
26 05 33 23-0527	EA		#2817FO Radiused Internal Elbow.....	11.57	4.66
26 05 33 23-0528	EA		#2818FO Radiused External Elbow.....	11.47	4.66
26 05 33 23-0529	EA		#2886 Drop Ceiling Connector.....	12.29	5.24
26 05 33 23-0530	EA		#2889 2800-2700 Reducer.....	11.05	4.66
26 05 33 23-0531			#2900, 1-1/2" x 3/4" (26 05 33 23-0452)		
26 05 33 23-0532	LF		#2900, 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover.....	9.19	3.50
			<i>For Concrete Or Masonry Surface, Add</i>	0.35	
26 05 33 23-0533	EA		#2900WC 1-1/2" Wire Clip.....	5.13	2.33
26 05 33 23-0534	EA		#2906 Cover Clip.....	6.19	2.33
26 05 33 23-0535	EA		#2910B Blank End.....	8.52	3.50
26 05 33 23-0536	EA		#2911 Flat 90 Degree Elbow.....	10.87	4.66
26 05 33 23-0537	EA		#2911FO Radiused Flat 90 Degree Elbow.....	11.68	4.66
26 05 33 23-0538	EA		#2915 Tee.....	15.52	6.99
26 05 33 23-0539	EA		#2915FO Radiused Tee.....	16.35	6.99
26 05 33 23-0540	EA		#2917 Internal Elbow.....	12.03	5.24
26 05 33 23-0541	EA		#2917FO Radiused Internal Elbow.....	12.87	5.24
26 05 33 23-0542	EA		#2918 External Elbow.....	12.02	5.24
26 05 33 23-0543	EA		#2918FO Radiused External Elbow.....	13.10	5.24
26 05 33 23-0544	EA		#2986 Drop Ceiling Connector.....	12.16	5.24
26 05 33 23-0545	EA		#2989 2900-2800 Reducer.....	13.51	5.83
26 05 33 23-0546	EA		#2989A 2900-2700 Reducer.....	13.23	5.83
26 05 33 23-0547			Two Piece Surface Non-Metallic Raceways (26 05 33 23-0451)		
			Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0548			#5000, 5" x 1" (26 05 33 23-0547)		
26 05 33 23-0549	LF		#5000B, 5" x 1" Two Piece Surface Non-Metallic Raceway Base.....	14.07	5.24
			<i>For Concrete Or Masonry Surface, Add</i>	0.52	
26 05 33 23-0550	LF		#5000C Cover, Black, Gray Or White.....	13.52	5.24
26 05 33 23-0551	LF		#5000COA Cover, Oak Veneer.....	22.81	5.24

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0552	LF		#5000CW Cover, Maple Wood Veneer.....	19.14	5.24
26 05 33 23-0553	LF		#5000T Quarter Round Trim, Black, Gray Or White	1.82	0.58
26 05 33 23-0554	LF		#5000TOA Quarter Round Trim, Oak Veneer.....	6.48	0.58
26 05 33 23-0555	LF		#5000TW Quarter Round Trim, Maple Wood Veneer	4.14	0.58
26 05 33 23-0556	EA		#5001 Base Coupling.....	13.53	5.83
26 05 33 23-0557	EA		#5004 Blank/Coax Adapter	7.40	2.91
26 05 33 23-0558	EA		#5005 Low Voltage Blank Plate	9.64	3.50
26 05 33 23-0559	EA		#5006 Cover Clip	14.31	5.83
26 05 33 23-0560	EA		#5006A Internal Wire Guard	13.60	5.83
26 05 33 23-0561	EA		#5007C Device Bracket	15.06	5.83
26 05 33 23-0562	EA		#5007C-1 Device Plate	27.92	11.65
26 05 33 23-0563	EA		#5007C-2 Deep Device Plate	28.67	11.65
26 05 33 23-0564	EA		#5010 End Cap, Right Or Left.....	24.90	11.07
26 05 33 23-0565	EA		#5010A Entrance End Feed.....	46.17	18.06
26 05 33 23-0566	EA		#5017B Internal Base Elbow.....	33.27	14.56
26 05 33 23-0567	EA		#5017C Internal Cover Elbow	29.15	11.65
26 05 33 23-0568	EA		#5017WG Internal Elbow Wire Guard.....	20.41	8.73
26 05 33 23-0569	EA		#5018B External Base Elbow	33.22	14.56
26 05 33 23-0570	EA		#5018C External Cover Elbow	29.35	11.65
26 05 33 23-0571	EA		#5018WG External Elbow Wire Guard.....	13.41	5.83
26 05 33 23-0572 #5400, 5-1/4" x 1-11/16" (26 05 33 23-0547)					
26 05 33 23-0573	LF		#5400TB Two Compartment, 5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base.....	15.14	5.24
			<i>For Concrete Or Masonry Surface, Add</i>	0.52	
26 05 33 23-0574	LF		#5400C Full Width Cover.....	4.57	0.58
26 05 33 23-0575	LF		#5400TC Twin Snap Cover.....	3.05	0.58
26 05 33 23-0576	EA		#5400TWC Twin Snap Cover Wire Clips.....	6.33	2.91
26 05 33 23-0577	EA		#5406A Cover Clip.....	9.88	3.50
26 05 33 23-0578	EA		#5406T Twin Cover Clip	8.63	3.50
26 05 33 23-0579	EA		#5406TB Base Seam Clip.....	7.92	3.50
26 05 33 23-0580	EA		#5408 L Or R (Left Or Right) Transition Fitting	55.30	18.06
26 05 33 23-0581	EA		#5410 End Cap.....	28.35	11.07
26 05 33 23-0582	EA		#5410DFO Radiused Divided Entrance Cap Fitting.....	53.42	18.06
26 05 33 23-0583	EA		#5411FO Radiused Flat 90 Degree Elbow	47.74	14.56
26 05 33 23-0584	EA		#5415 Tee Fitting.....	55.74	18.06
26 05 33 23-0585	EA		#5415FO Radiused Tee Fitting.....	57.90	18.06
26 05 33 23-0586	EA		#5417FO Radiused Internal Elbow	47.83	18.06
26 05 33 23-0587	EA		#5418 External Elbow	48.37	18.06
26 05 33 23-0588	EA		#5418FO Radiused External Elbow.....	48.87	18.06
26 05 33 23-0589	EA		#5450 5-5/32" x 6" Device Bracket	21.55	5.83
26 05 33 23-0590	EA		#5450A3 7-19/32" x 7-1/2" Device Bracket.....	27.44	5.83
26 05 33 23-0591	EA		#5450T 2-1/2" x 4-7/8" Twin Snap Device Bracket	17.20	5.83
26 05 33 23-0592	EA		#5474 Transition Fitting	49.88	18.06
26 05 33 23-0593 #5500, 6-11/16" x 1-11/16" (26 05 33 23-0547)					
26 05 33 23-0594	LF		#5500BD3 Three Compartment Divided, 6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base.....	18.23	5.24
			<i>For Concrete Or Masonry Surface, Add</i>	0.52	
26 05 33 23-0595	LF		#5500C Cover.....	5.91	0.58
26 05 33 23-0596	EA		#5500WC Wire Clips.....	7.11	2.91
26 05 33 23-0597	EA		#5506 Cover Clip.....	10.88	3.50
26 05 33 23-0598	EA		#5506B Base Seam Clip Fitting.....	8.25	3.50
26 05 33 23-0599	EA		#5507AD Modular Furniture Adapter	10.27	3.50
26 05 33 23-0600	EA		#5507B Blank Faceplate.....	10.30	3.50
26 05 33 23-0601	EA		#5507D Duplex Receptacle Faceplate.....	10.34	3.50
26 05 33 23-0602	EA		#5507FRJ Dual RJ Connector Faceplate	10.34	3.50
26 05 33 23-0603	EA		#5507R Rectangular Receptacle Faceplate	10.26	3.50
26 05 33 23-0604	EA		#5507RJ Dual RJ Connector Faceplate.....	10.28	3.50
26 05 33 23-0605	EA		#5507S Rectangular Spacer Fitting	10.21	3.50
26 05 33 23-0606	EA		#5507SW Switch Faceplate.....	10.23	3.50
26 05 33 23-0607	EA		#5507T1 Twistlock Faceplate	10.30	3.50
26 05 33 23-0608	EA		#5507T2 Single Receptacle Faceplate	10.12	3.50
26 05 33 23-0609	EA		#5550 6-5/8" x 6" Device Bracket	25.17	5.83
26 05 33 23-0610	EA		#5550A4 9-5/8" x 7-1/2" Device Bracket.....	32.77	5.83
26 05 33 23-0611	EA		#5510 End Cap.....	30.26	11.07
26 05 33 23-0612	EA		#5510D Entrance End Fitting.....	59.52	18.06
26 05 33 23-0613	EA		#5511FO Radiused Flat 90 Degree Elbow	53.36	14.56
26 05 33 23-0614	EA		#5514A Backfeed Connector.....	44.38	14.56
26 05 33 23-0615	EA		#5515 Tee Fitting.....	62.13	18.06
26 05 33 23-0616	EA		#5517FO Radiused Internal Elbow	51.73	18.06
26 05 33 23-0617	EA		#5518 External Elbow	52.77	18.06
26 05 33 23-0618	EA		#5518FO Radiused External Elbow.....	54.96	18.06
26 05 33 23-0619	EA		#5574 Transition Fitting	50.68	18.06
26 05 33 23-0620	EA		#5574A Transition Fitting	64.89	18.06

26 05 39 Underfloor Raceways for Electrical Systems (26 05)**26 05 39 00-0001 Underfloor Ducts** (26 05 39)**26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel** (26 05 39 00-0001)**26 05 39 00-0003 Standard Ducts, 3.8 Square Inches** (26 05 39 00-0002)

26 05 39 00-0004	EA		Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches.....	77.83	22.43
26 05 39 00-0005	EA		Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches.....	95.65	26.26

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

26 05 39 00-0006				Large Capacity Ducts, 8.9 Square Inches (26 05 39 00-0002)		
26 05 39 00-0007	EA			Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	119.16	28.42
26 05 39 00-0008	EA			Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches	135.15	31.49
26 05 39 00-0009				Junction Boxes (26 05 39 00-0001)		
26 05 39 00-0010				One Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0011	EA			1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box.....	183.18	44.60
26 05 39 00-0012	EA			1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	204.11	47.80
26 05 39 00-0013	EA			1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box	290.40	44.60
				Note: Isolate each duct and form a continuous raceway through the box in both directions.		
26 05 39 00-0014	EA			1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	218.10	47.80
26 05 39 00-0015	EA			1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	330.89	62.83
26 05 39 00-0016	EA			1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	440.78	68.32
26 05 39 00-0017				Two Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0018	EA			2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level	602.17	45.12
				Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.		
26 05 39 00-0019	EA			2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts.....	688.03	47.80
26 05 39 00-0020				Elbow Fittings (26 05 39 00-0001)		
26 05 39 00-0021				90 Degree Horizontal Elbow (26 05 39 00-0020)		
26 05 39 00-0022	EA			Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree.....	83.12	16.44
26 05 39 00-0023	EA			Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	85.04	16.44
26 05 39 00-0024				90 Degree Vertical Elbow (26 05 39 00-0020)		
26 05 39 00-0025	EA			Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	55.15	16.44
26 05 39 00-0026	EA			Underfloor Large Duct Vertical Elbow Fitting, 90 Degree	55.92	16.44
26 05 39 00-0027				Offset Elbow (26 05 39 00-0020)		
				Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA			Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	55.15	19.12
26 05 39 00-0029	EA			Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	55.92	19.12
26 05 39 00-0030				Couplings (26 05 39 00-0001)		
26 05 39 00-0031				Sleeve Couplings (26 05 39 00-0030)		
26 05 39 00-0032	EA			Underfloor Standard Duct Sleeve Coupling	44.00	25.49
26 05 39 00-0033	EA			Underfloor Large Duct Sleeve Coupling	71.24	25.49
26 05 39 00-0034				Expansion Couplings (26 05 39 00-0030)		
26 05 39 00-0035	EA			Underfloor Standard Duct Expansion Coupling	82.98	25.49
26 05 39 00-0036	EA			Underfloor Large Duct Expansion Coupling.....	83.94	26.89
26 05 39 00-0037				Reducing Couplings (26 05 39 00-0030)		
26 05 39 00-0038	EA			Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	52.59	3.83
26 05 39 00-0039				Duct Supports (26 05 39 00-0001)		
26 05 39 00-0040				Combination Support And Coupling (26 05 39 00-0039)		
				Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA			1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	102.49	53.53
26 05 39 00-0042	EA			2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	115.53	53.53
26 05 39 00-0043	EA			3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	128.66	53.53
26 05 39 00-0044	EA			1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	115.53	59.91
26 05 39 00-0045	EA			2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	142.08	59.91
26 05 39 00-0046	EA			1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	128.66	63.73
26 05 39 00-0047	EA			2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	128.66	63.73
26 05 39 00-0048	EA			1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	142.08	63.73
26 05 39 00-0049				Duct Support Only (26 05 39 00-0039)		
				Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA			1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	90.16	47.16
26 05 39 00-0051	EA			2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	105.65	47.16
26 05 39 00-0052	EA			3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	121.62	47.16
26 05 39 00-0053				Underfloor Duct Accessories (26 05 39 00-0001)		
26 05 39 00-0054				Plugs For Unused Junction Box Openings And Duct Ends (26 05 39 00-0053)		
26 05 39 00-0055	EA			Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	20.17	3.83

26 Electrical**26 05 Common Work Results For Electrical****26 05 39 Underfloor Raceways for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 39 00-0056 EA Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends.....20.84 3.83

26 05 39 00-0057 Conduit Adapters (26 05 39 00-0053)

26 05 39 00-0058 EA One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter24.62 6.37
 26 05 39 00-0059 EA Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter26.50 6.37
 26 05 39 00-0060 EA One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter.....25.93 6.37
 26 05 39 00-0061 EA Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter27.27 6.37

26 05 39 00-0062 Holders And Caps (26 05 39 00-0053)

26 05 39 00-0063 EA Tile Holder, Underfloor Duct Accessories179.96 53.53
 26 05 39 00-0064 EA Terrazzo Holder, Underfloor Duct Accessories290.77 53.53
 26 05 39 00-0065 EA Closing Caps For Inserts, Underfloor Duct Accessories2.59 1.27

26 05 39 00-0066 Underfloor Dust Pans (26 05 39 00-0001)

26 05 39 00-0067 EA Underfloor Dust Carpet Pan.....60.09 6.99

26 05 43 Underground Ducts And Raceways For Electrical Systems (26 05)**26 05 43 00-0001 Duct Bank** (26 05 43)

Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.

26 05 43 00-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank (26 05 43 00-0001)

Note: Includes appropriate spacers and fittings.

26 05 43 00-0003 LF 2 At 2", Rigid Galvanized Conduit Duct Bank26.31
 26 05 43 00-0004 LF 4 At 2", Rigid Galvanized Conduit Duct Bank52.65
 26 05 43 00-0005 LF 2 At 3", Rigid Galvanized Conduit Duct Bank53.09
 26 05 43 00-0006 LF 4 At 3", Rigid Galvanized Conduit Duct Bank106.45
 26 05 43 00-0007 LF 2 At 4", Rigid Galvanized Conduit Duct Bank77.91
 26 05 43 00-0008 LF 4 At 4", Rigid Galvanized Conduit Duct Bank156.99
 26 05 43 00-0009 LF 6 At 4", Rigid Galvanized Conduit Duct Bank236.79
 26 05 43 00-0010 LF 2 At 5", Rigid Galvanized Conduit Duct Bank139.00
 26 05 43 00-0011 LF 4 At 5", Rigid Galvanized Conduit Duct Bank276.83
 26 05 43 00-0012 LF 6 At 5", Rigid Galvanized Conduit Duct Bank429.38
 26 05 43 00-0013 LF 2 At 6", Rigid Galvanized Conduit Duct Bank198.28
 26 05 43 00-0014 LF 4 At 6", Rigid Galvanized Conduit Duct Bank397.87
 26 05 43 00-0015 LF 6 At 6", Rigid Galvanized Conduit Duct Bank589.77

26 05 43 00-0016 Polyvinyl Chloride (PVC), Type EB Duct Bank System (26 05 43 00-0001)

Note: Includes appropriate spacers and fittings.

26 05 43 00-0017 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank7.95
 26 05 43 00-0018 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank17.53
 26 05 43 00-0019 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank33.61
 26 05 43 00-0020 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank10.51
 26 05 43 00-0021 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank20.99
 26 05 43 00-0022 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank42.66
 26 05 43 00-0023 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank13.95
 26 05 43 00-0024 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank27.90
 26 05 43 00-0025 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank55.86
 26 05 43 00-0026 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank83.77
 26 05 43 00-0027 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank17.46
 26 05 43 00-0028 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank34.90
 26 05 43 00-0029 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank67.44
 26 05 43 00-0030 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank95.32
 26 05 43 00-0031 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank31.40
 26 05 43 00-0032 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank47.11
 26 05 43 00-0033 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank94.46
 26 05 43 00-0034 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank153.37

26 05 43 00-0035 Polyvinyl Chloride (PVC), Type DB Duct Bank System (26 05 43 00-0001)

Note: Includes appropriate spacers and fittings.

26 05 43 00-0036 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank8.81
 26 05 43 00-0037 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank19.36
 26 05 43 00-0038 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank37.00
 26 05 43 00-0039 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank10.88
 26 05 43 00-0040 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank21.73
 26 05 43 00-0041 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank43.33
 26 05 43 00-0042 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank14.22
 26 05 43 00-0043 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank28.45
 26 05 43 00-0044 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank56.95
 26 05 43 00-0045 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank85.41
 26 05 43 00-0046 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank17.88
 26 05 43 00-0047 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank35.72
 26 05 43 00-0048 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank69.08

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

26 05 43 00-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	97.78	
26 05 43 00-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	31.97	
26 05 43 00-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	48.29	
26 05 43 00-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	96.82	
26 05 43 00-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	156.91	

26 05 43 00-0054 Male Or Female Adapters (26 05 43 00-0001)

26 05 43 00-0055	EA	2" Adapter	42.61	
26 05 43 00-0056	EA	3" Adapter	59.64	
26 05 43 00-0057	EA	4" Adapter	76.43	
26 05 43 00-0058	EA	5" Adapter	111.46	
26 05 43 00-0059	EA	6" Adapter	139.12	

26 05 46 Utility Poles for Electrical Systems (26 05)

26 05 46 00-0001 Wood Poles (26 05 46)

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention (26 05 46 00-0001)

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set.....	833.14	311.72
		For Class 1 Pole, Add	73.36	
		For Class 2 Pole, Add	41.92	
		For Class 4 Pole, Deduct	-20.96	
		For Class 5 Pole, Deduct	-62.88	
		For Class 6 Pole, Deduct	-83.84	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set.....	976.32	345.85
		For Class 1 Pole, Add	99.60	
		For Class 2 Pole, Add	56.91	
		For Class 4 Pole, Deduct	-28.46	
		For Class 5 Pole, Deduct	-85.37	
		For Class 6 Pole, Deduct	-113.83	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,272.55	457.42
		For Class 1 Pole, Add	125.24	
		For Class 2 Pole, Add	71.57	
		For Class 4 Pole, Deduct	-35.78	
		For Class 5 Pole, Deduct	-107.35	
		For Class 6 Pole, Deduct	-143.14	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,440.71	503.11
		For Class 1 Pole, Add	152.08	
		For Class 2 Pole, Add	86.90	
		For Class 4 Pole, Deduct	-43.45	
		For Class 5 Pole, Deduct	-130.36	
		For Class 6 Pole, Deduct	-173.81	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,635.43	560.35
		For Class 1 Pole, Add	180.11	
		For Class 2 Pole, Add	102.92	
		For Class 4 Pole, Deduct	-51.46	
		For Class 5 Pole, Deduct	-154.38	
		For Class 6 Pole, Deduct	-205.84	
26 05 46 00-0008	EA	50' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,854.13	628.88
		For Class 1 Pole, Add	208.74	
		For Class 2 Pole, Add	119.28	
		For Class 4 Pole, Deduct	-59.64	
		For Class 5 Pole, Deduct	-178.92	
		For Class 6 Pole, Deduct	-238.56	
26 05 46 00-0009	EA	55' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,065.12	691.71
		For Class 1 Pole, Add	238.56	
		For Class 2 Pole, Add	136.32	
		For Class 4 Pole, Deduct	-68.16	
		For Class 5 Pole, Deduct	-204.48	
		For Class 6 Pole, Deduct	-272.64	
26 05 46 00-0010	EA	60' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,298.41	760.64
		For Class 1 Pole, Add	271.96	
		For Class 2 Pole, Add	155.41	
		For Class 4 Pole, Deduct	-77.70	
		For Class 5 Pole, Deduct	-233.11	
		For Class 6 Pole, Deduct	-310.81	
26 05 46 00-0011	EA	65' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,448.54	829.04
		For Class 1 Pole, Add	626.64	
		For Class 2 Pole, Add	358.08	
		For Class 4 Pole, Deduct	-179.04	
		For Class 5 Pole, Deduct	-537.12	
		For Class 6 Pole, Deduct	-716.16	
26 05 46 00-0012	EA	70' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,765.45	881.90
		For Class 1 Pole, Add	700.57	
		For Class 2 Pole, Add	400.32	
		For Class 4 Pole, Deduct	-200.16	
		For Class 5 Pole, Deduct	-600.49	
		For Class 6 Pole, Deduct	-800.65	
26 05 46 00-0013	EA	75' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,118.35	941.93
		For Class 1 Pole, Add	782.05	
		For Class 2 Pole, Add	446.88	
		For Class 4 Pole, Deduct	-223.44	
		For Class 5 Pole, Deduct	-670.33	
		For Class 6 Pole, Deduct	-893.77	

26 05 46 00-0014 Removal And Relocation Of Wood Poles With Cross Arm (26 05 46 00-0001)

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 46 00-0015	LF	Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	26.56	
26 05 46 00-0016		Crossarms <small>(26 05 46)</small>		
		Note: Includes hardware and braces.		
26 05 46 00-0017		Wood Single Arm Crossarms <small>(26 05 46 00-0016)</small>		
26 05 46 00-0018	EA	3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces	205.41	92.97
26 05 46 00-0019	EA	3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces	250.56	92.97
26 05 46 00-0020	EA	3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces	264.27	119.54
26 05 46 00-0021		Wood Double Arm Crossarms <small>(26 05 46 00-0016)</small>		
26 05 46 00-0022	EA	3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	536.82	258.99
26 05 46 00-0023	EA	3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	569.42	258.99
26 05 46 00-0024	EA	3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	595.02	258.99
26 05 46 00-0025		Fiberglass Crossarms <small>(26 05 46 00-0016)</small>		
		Note: Includes hardware.		
26 05 46 00-0026		Single Phase, 15 Degree Angle <small>(26 05 46 00-0025)</small>		
26 05 46 00-0027	EA	Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB	218.52	
26 05 46 00-0028	EA	Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB	281.65	55.78
26 05 46 00-0029	EA	Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB	294.93	59.76
26 05 46 00-0030		Two Phase, 15 Degree Angle <small>(26 05 46 00-0025)</small>		
26 05 46 00-0031	EA	Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB	353.34	71.72
26 05 46 00-0032		Fiberglass Crossarm Accessories <small>(26 05 46 00-0025)</small>		
26 05 46 00-0033	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	503.41	91.65
26 05 46 00-0034	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	600.80	111.56
26 05 46 00-0035	EA	Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	87.55	15.94
26 05 46 00-0036	EA	Three Phase Equipment Mounting Bracket	437.74	79.69
26 05 46 00-0037	EA	Fiberglass Bull Horn Crossarm	368.89	132.82
26 05 46 00-0038		Insulator Support System <small>(26 05 46 00-0016)</small>		
26 05 46 00-0039		Epoxy Construction Units, In Place Mounting <small>(26 05 46 00-0038)</small>		
		Note: Includes hardware.		
26 05 46 00-0040	EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	111.10	
26 05 46 00-0041	EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	85.65	
26 05 46 00-0042	EA	Deadend Arms, In Place Mounting	204.93	
26 05 46 00-0043	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	168.53	
26 05 46 00-0044		Epoxy Construction Units, Grounding Mounting <small>(26 05 46 00-0038)</small>		
		Note: Includes hardware.		
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	72.66	
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	60.03	
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting	179.31	
26 05 46 00-0048		Guying <small>(26 05 46)</small>		
		Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049		Down Guy <small>(26 05 46 00-0048)</small>		
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole	845.36	371.89
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole	855.41	371.89
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole	876.07	371.89
26 05 46 00-0053	EA	Guy Guard, Plastic	25.43	
26 05 46 00-0054		Head Guy, 50' Spans <small>(26 05 46 00-0048)</small>		
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole	1,254.34	571.12
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole	1,254.34	571.12
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole	1,254.34	571.12
26 05 46 00-0058		Guy Strain Insulators Additional Insulators <small>(26 05 46 00-0048)</small>		
		Note: As required at same material cost and labor.		
26 05 46 00-0059	EA	Guy Strain Insulator	559.73	278.91
26 05 46 00-0060		Insulators <small>(26 05 46)</small>		
26 05 46 00-0061		Pin Insulator With Pin <small>(26 05 46 00-0060)</small>		
26 05 46 00-0062	EA	5 KV Class 55-3, Pin Insulator With Pin	179.04	79.69
26 05 46 00-0063	EA	15 KV Class 55-5, Pin Insulator With Pin	184.64	79.69
26 05 46 00-0064		Suspension Insulator <small>(26 05 46 00-0060)</small>		
		Note: Includes clevis and strain clamp.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0065	EA		5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	228.01	106.26
26 05 46 00-0066	EA		15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	243.24	106.26
26 05 46 00-0067	EA		25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	342.55	132.82
26 05 46 00-0068	EA		50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	544.46	212.50
26 05 46 00-0069			Spool Insulator With Clevis (26 05 46 00-0069)		
26 05 46 00-0070	EA		5 KV Class 53-5, Spool Insulator With Clevis.....	75.92	33.20
26 05 46 00-0071	EA		15 KV Class, Spool Insulator With Clevis.....	243.83	119.54
26 05 46 00-0072	EA		25 KV Class, Spool Insulator With Clevis.....	316.11	119.54
26 05 46 00-0073			Secondary Rack (26 05 46 00-0073)		
26 05 46 00-0074	EA		1 Spool Secondary Rack.....	150.74	66.41
26 05 46 00-0075	EA		2 Spool Secondary Rack.....	155.66	84.74
26 05 46 00-0076	EA		3 Spool Secondary Rack.....	233.02	112.89
26 05 46 00-0077	EA		4 Spool Secondary Rack.....	261.71	112.89
26 05 46 00-0078			Outdoor Load Break Switches (26 05 46)		
			Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0079			7.2 KV Outdoor Load Break Switches (26 05 46 00-0079)		
26 05 46 00-0080	EA		600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	5,146.36	451.58
26 05 46 00-0081	EA		1,200 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	10,170.26	451.58
26 05 46 00-0082	EA		1,600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	15,156.05	763.70
26 05 46 00-0083	EA		2,000 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	15,430.67	763.70
26 05 46 00-0084			14.4 KV Outdoor Load Break Switches (26 05 46 00-0084)		
26 05 46 00-0085	EA		600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	6,312.26	451.58
26 05 46 00-0086	EA		1,200 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	12,041.38	451.58
26 05 46 00-0087	EA		1,600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	15,156.05	763.70
26 05 46 00-0088	EA		2,000 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	15,430.67	763.70
26 05 46 00-0089			23 KV Outdoor Load Break Switches (26 05 46 00-0089)		
26 05 46 00-0090	EA		600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	6,953.61	524.62
26 05 46 00-0091	EA		1,200 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	13,170.34	524.62
26 05 46 00-0092	EA		1,600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	15,809.49	903.15
26 05 46 00-0093	EA		2,000 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	16,093.12	903.15
26 05 46 00-0094			Square Distribution Poles (26 05 46)		
26 05 46 00-0095			Square Steel Tapered Shaft Distribution Poles (26 05 46 00-0094)		
26 05 46 00-0096	EA		20', Steel Taped Shaft Distribution Pole.....	2,512.28	564.47
26 05 46 00-0097	EA		25', Steel Taped Shaft Distribution Pole.....	2,812.63	597.68
26 05 46 00-0098	EA		30', Steel Taped Shaft Distribution Pole.....	3,063.38	664.08
26 05 46 00-0099	EA		35', Steel Taped Shaft Distribution Pole.....	3,385.78	730.49
26 05 46 00-0100	EA		40', Steel Taped Shaft Distribution Pole.....	4,440.76	796.90
26 05 46 00-0101			Square Prestressed Concrete Distribution Poles (26 05 46 00-0094)		
26 05 46 00-0102	EA		30', Prestressed Concrete Square Pole For Distribution.....	3,875.53	1,043.13
26 05 46 00-0103	EA		35', Prestressed Concrete Square Pole For Distribution.....	4,315.51	1,144.07
26 05 46 00-0104	EA		40', Prestressed Concrete Square Pole For Distribution.....	5,016.20	1,278.67
26 05 46 00-0105	EA		45', Prestressed Concrete Square Pole For Distribution.....	5,638.95	1,413.27
26 05 46 00-0106	EA		50', Prestressed Concrete Square Pole For Distribution.....	5,450.12	1,716.11
26 05 46 00-0107	EA		55', Prestressed Concrete Square Pole For Distribution.....	7,938.61	2,018.96
26 05 46 00-0108	EA		60', Prestressed Concrete Square Pole For Distribution.....	9,306.25	2,288.15
26 05 46 00-0109	EA		65', Prestressed Concrete Square Pole For Distribution.....	11,272.12	2,826.54
26 05 46 00-0110	EA		70', Prestressed Concrete Square Pole For Distribution.....	12,589.94	3,095.74
26 05 46 00-0111			Aluminum Tapered Poles (26 05 46)		
26 05 46 00-0112			Aluminum Tapered Round Seamless Shaft Poles (26 05 46 00-0111)		
26 05 46 00-0113	EA		20', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	2,494.44	498.06
26 05 46 00-0114	EA		25', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,404.34	531.27
26 05 46 00-0115	EA		30', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,906.63	597.68
26 05 46 00-0116	EA		35', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	4,603.66	664.08
26 05 46 00-0117	EA		40', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	6,784.36	730.49
26 05 46 00-0118			Steel Service Poles Distribution (26 05 46)		
			Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0119			Round Tapered Pole (26 05 46 00-0118)		
26 05 46 00-0120	EA		40', Galvanized Steel Tapered Round Pole For Distribution.....	3,587.70	796.90
26 05 46 00-0121	EA		45', Galvanized Steel Tapered Round Pole For Distribution.....	4,121.66	863.31
26 05 46 00-0122	EA		50', Galvanized Steel Tapered Round Pole For Distribution.....	4,398.74	929.72
26 05 46 00-0123	EA		55', Galvanized Steel Tapered Round Pole For Distribution.....	5,157.14	1,062.53
26 05 46 00-0124	EA		60', Galvanized Steel Tapered Round Pole For Distribution.....	6,291.47	1,195.35

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 46 00-0125	EA	65', Galvanized Steel Tapered Round Pole For Distribution		7,634.45	1,581.52
26 05 46 00-0126	EA	70', Galvanized Steel Tapered Round Pole For Distribution		8,527.21	1,794.18
26 05 46 00-0127	EA	75', Galvanized Steel Tapered Round Pole For Distribution		9,443.95	2,018.96
26 05 46 00-0128	EA	80', Galvanized Steel Tapered Round Pole For Distribution		10,633.30	2,288.15
26 05 46 00-0129	EA	85', Galvanized Steel Tapered Round Pole For Distribution		11,350.75	2,422.74
26 05 46 00-0130	EA	90', Galvanized Steel Tapered Round Pole For Distribution		12,373.71	2,691.94
26 05 46 00-0131	EA	95', Galvanized Steel Tapered Round Pole For Distribution		13,617.71	3,028.43
26 05 46 00-0132	EA	100', Galvanized Steel Tapered Round Pole For Distribution		15,129.19	3,432.23
26 05 46 00-0133		12 Sided Tapered <small>(26 05 46 00-0118)</small>			
26 05 46 00-0134	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution		5,724.51	796.90
26 05 46 00-0135	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution		6,304.78	863.31
26 05 46 00-0136	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution		6,963.03	929.72
26 05 46 00-0137	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution		7,680.96	1,062.53
26 05 46 00-0138	EA	60', Galvanized Steel Tapered 12 Sided Pole For Distribution		10,051.22	1,195.35
26 05 46 00-0139	EA	65', Galvanized Steel Tapered 12 Sided Pole For Distribution		11,417.33	1,581.52
26 05 46 00-0140	EA	70', Galvanized Steel Tapered 12 Sided Pole For Distribution		13,199.48	1,794.18
26 05 46 00-0141	EA	75', Galvanized Steel Tapered 12 Sided Pole For Distribution		14,263.48	2,018.96
26 05 46 00-0142	EA	80', Galvanized Steel Tapered 12 Sided Pole For Distribution		15,446.78	2,288.15
26 05 46 00-0143	EA	85', Galvanized Steel Tapered 12 Sided Pole For Distribution		16,369.57	2,422.74
26 05 46 00-0144	EA	90', Galvanized Steel Tapered 12 Sided Pole For Distribution		18,544.68	2,691.94
26 05 46 00-0145	EA	95', Galvanized Steel Tapered 12 Sided Pole For Distribution		19,771.38	3,028.43
26 05 46 00-0146	EA	100', Galvanized Steel Tapered 12 Sided Pole For Distribution		21,323.26	3,432.23
26 05 46 00-0147	EA	105', Galvanized Steel Tapered 12 Sided Pole For Distribution		22,965.49	3,836.01
26 05 46 00-0148		Standard Options For Round, 12 Sided and Octagonal Tapered Poles <small>(26 05 46 00-0118)</small>			
26 05 46 00-0149	EA	Ladder Clips		24.79	
26 05 46 00-0150	EA	Coal Tar Epoxy Coating From Base To 1' Above Ground Line		186.04	
26 05 46 00-0151	EA	Ground Sleeve-2' At Ground Line		187.12	
26 05 46 00-0152		Arms With Baseplates And Endplates <small>(26 05 46 00-0118)</small>			
26 05 46 00-0153	EA	4' Arm With Baseplate And Endplate		557.87	132.82
26 05 46 00-0154	EA	5' Arm With Baseplate And Endplate		597.49	132.82
26 05 46 00-0155	EA	6' Arm With Baseplate And Endplate		770.96	199.23
26 05 46 00-0156	EA	7' Arm With Baseplate And Endplate		805.62	199.23
26 05 46 00-0157	EA	8' Arm With Baseplate And Endplate		977.06	265.63
26 05 46 00-0158	EA	9' Arm With Baseplate And Endplate		1,016.67	265.63
26 05 46 00-0159	EA	10' Arm With Baseplate And Endplate		1,332.77	332.04
26 05 46 00-0160	EA	11' Arm With Baseplate And Endplate		1,377.23	332.04
26 05 46 00-0161		Standard Vangs Load Bearing At Any Angle <small>(26 05 46 00-0118)</small>			
26 05 46 00-0162	EA	15,000 LB Standard Vangs Load Bearing At Any Angle		298.31	132.82
26 05 46 00-0163	EA	30,000 LB Standard Vangs Load Bearing At Any Angle		322.59	132.82
26 05 46 00-0164	EA	45,000 LB Standard Vangs Load Bearing At Any Angle		355.78	132.82
26 05 46 00-0165		Armless Construction Brackets <small>(26 05 46 00-0118)</small>			
26 05 46 00-0166		Verticals Insulator And Equipment Bracket <small>(26 05 46 00-0165)</small>			
26 05 46 00-0167	EA	7" 1 Position Vertical Insulation And Equipment Bracket		302.27	132.82
26 05 46 00-0168	EA	12" 1 Position Vertical Insulation And Equipment Bracket		317.60	132.82
26 05 46 00-0169	EA	12" 3 Position Vertical Insulation And Equipment Bracket		342.50	132.82
26 05 46 00-0170	EA	18" 1 Position Vertical Insulation And Equipment Bracket		491.98	199.23
26 05 46 00-0171	EA	18" 3 Position Vertical Insulation And Equipment Bracket		506.53	199.23
26 05 46 00-0172		Horizontal And Multiple Insulator Brackets <small>(26 05 46 00-0165)</small>			
26 05 46 00-0173	EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets		290.33	132.82
26 05 46 00-0174	EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets		322.54	132.82
26 05 46 00-0175	EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets		476.39	199.23
26 05 46 00-0176	EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets		552.40	199.23
26 05 46 00-0177	EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets		716.52	265.63
26 05 46 00-0178	EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets		756.86	265.63
26 05 46 00-0179		Pole Top Bracket And Pins <small>(26 05 46 00-0165)</small>			
26 05 46 00-0180	EA	Pole Top Pin - 5"		295.01	132.82
26 05 46 00-0181	EA	Pole Top Bracket - 5"		302.83	132.82
26 05 46 00-0182		Angle Pins <small>(26 05 46 00-0165)</small>			
26 05 46 00-0183	EA	Angle Pin - 25 Degree, 6"		293.95	132.82
26 05 46 00-0184	EA	Angle Pin - 25 Degree, 7 1/4"		319.35	132.82
26 05 46 00-0185		Static And Neutral Wire Brackets <small>(26 05 46 00-0165)</small>			
26 05 46 00-0186	EA	Neutral Wire Extension Bracket		305.79	132.82
26 05 46 00-0187	EA	Static Wire Support Bracket		308.67	132.82

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

26 05 46 00-0188		Cutout, Arrestor And Terminator Brackets <small>(26 05 46 00-0165)</small>		
26 05 46 00-0189	EA	Cutout And Arrestor, With Mounting Bracket.....	302.54	132.82
26 05 46 00-0190	EA	Equipment Mounting T Bracket.....	326.69	132.82
26 05 46 00-0191	EA	15 KV Cutout.....	437.24	
26 05 46 00-0192	EA	9/10 KV Arrestor.....	403.26	132.82
26 05 46 00-0193		Spacer Cable, Conduit Support And Cluster Bracket <small>(26 05 46 00-0165)</small>		
26 05 46 00-0194	EA	Parallel Cable Spacer.....	326.45	132.82
26 05 46 00-0195	EA	Conduit Standoff Support Bracket.....	317.26	132.82
26 05 46 00-0196	EA	Three Transformer Pole Mounted Cluster Bracket.....	635.92	132.82
26 05 46 00-0197		15 KV 200 Amp Solenoid Operated High Voltage Switch <small>(26 05 46 00-0165)</small>		
		Note: Includes pole mounting bracket.		
26 05 46 00-0198	EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket.....	2,161.03	332.04
26 05 46 00-0199		Octagonal Tapered <small>(26 05 46 00-0118)</small>		
26 05 46 00-0200	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution.....	5,883.33	796.90
26 05 46 00-0201	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution.....	6,480.93	863.31
26 05 46 00-0202	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution.....	7,159.39	929.72
26 05 46 00-0203	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution.....	7,894.65	1,128.94
26 05 46 00-0204	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution.....	10,345.77	1,195.35
26 05 46 00-0205	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution.....	11,734.98	1,581.52
26 05 46 00-0206	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution.....	13,569.10	1,682.47
26 05 46 00-0207	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution.....	14,657.65	2,018.96
26 05 46 00-0208	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution.....	15,864.04	2,153.56
26 05 46 00-0209	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution.....	16,811.38	2,422.74
26 05 46 00-0210	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution.....	19,048.58	2,557.34
26 05 46 00-0211	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution.....	20,301.27	3,028.43
26 05 46 00-0212	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution.....	21,879.14	3,230.33
26 05 46 00-0213	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution.....	23,550.25	3,634.12
26 05 46 00-0214		Removal And Relocation Of Steel Service Poles <small>(26 05 46 00-0118)</small>		
26 05 46 00-0215	LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'.....	46.48	
26 05 46 00-0216		Special Steel Bases For Poles <small>(26 05 46 00-0118)</small>		
26 05 46 00-0217	EA	Spin-In Steel Base For Poles.....	213.28	
26 05 46 00-0218	EA	Series 3, 25' Pole And less.....	230.26	66.41
26 05 46 00-0219	EA	Series 4, 40' Pole And less.....	271.83	76.37
26 05 46 00-0220	EA	Series 5, 50' Pole And less.....	306.76	83.01
26 05 46 00-0221		Primary Fuse Cutouts <small>(26 05 46)</small>		
		Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 05 46 00-0222		Non-Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 05 46 00-0221)</small>		
		Note: Includes the fuse and cut-out switch.		
26 05 46 00-0223		8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0222)</small>		
26 05 46 00-0224	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	685.15	332.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.38	
26 05 46 00-0225	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	817.96	332.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	199.22	
26 05 46 00-0226	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	950.34	332.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	238.94	
26 05 46 00-0227	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	965.15	332.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	239.08	
26 05 46 00-0228	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	965.15	332.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	239.08	
26 05 46 00-0229		17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0222)</small>		
26 05 46 00-0230	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting.....	685.15	265.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.38	
26 05 46 00-0231		17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0222)</small>		
26 05 46 00-0232	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting.....	704.55	265.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.38	
26 05 46 00-0233		Fuseholders <small>(26 05 46 00-0222)</small>		
		Note: Including current limiting fuse.		
26 05 46 00-0234	EA	15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	603.36	332.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.38	
26 05 46 00-0235	EA	25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	736.17	332.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	199.22	
26 05 46 00-0236	EA	40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	868.55	332.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	238.94	
26 05 46 00-0237	EA	100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	610.07	332.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.38	

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0238	EA		200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	742.88 199.22	332.04
26 05 46 00-0239	EA		15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	603.36 159.38	265.63
26 05 46 00-0240			Accessories (26 05 46 00-0222)		
26 05 46 00-0241	EA		Hot Line Clamp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.43 19.92	29.89
26 05 46 00-0242	EA		Stirrup.....	92.59	29.89
26 05 46 00-0243			Loadbreak Current Limiting Primary Fuse Cutouts (26 05 46 00-0221) Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 05 46 00-0244			8.3 KV-95 KV BIL Loadbreak Current Limiting (26 05 46 00-0243)		
26 05 46 00-0245	EA		15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	836.25 159.38	332.04
26 05 46 00-0246	EA		25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	969.06 199.22	332.04
26 05 46 00-0247	EA		40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,101.44 238.94	332.04
26 05 46 00-0248	EA		100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,130.33 239.08	332.04
26 05 46 00-0249	EA		200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,130.33 239.08	332.04
26 05 46 00-0250			17.1 KV-95 KV BIL Loadbreak Current Limiting (26 05 46 00-0243)		
26 05 46 00-0251	EA		15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	836.25 159.38	265.63
26 05 46 00-0252			17.1 KV-125 KV BIL Loadbreak Current Limiting (26 05 46 00-0243)		
26 05 46 00-0253	EA		15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	836.25 159.38	265.63
26 05 46 00-0254			Fuseholders (26 05 46 00-0243) Note: Includes current limiting fuses.		
26 05 46 00-0255	EA		15 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	610.29 159.38	332.04
26 05 46 00-0256	EA		25 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	743.10 199.22	332.04
26 05 46 00-0257	EA		40 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	875.48 238.94	332.04
26 05 46 00-0258	EA		15 Amp, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	610.29 159.38	332.04
26 05 46 00-0259			Pole Mounted Capacitors (26 05 46 00-0243)		
26 05 46 00-0260	EA		Capacitors - Pole Mounted 6 KVAR.....	1,396.77	267.76
26 05 46 00-0261			Pole Structure Assemblies (26 05 46 00-0221)		
26 05 46 00-0262			5 KV Pole Structure Assemblies (26 05 46 00-0261) Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0263	EA		Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	531.69	252.35
26 05 46 00-0264	EA		Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	889.87	425.01
26 05 46 00-0265	EA		Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	938.30	332.04
26 05 46 00-0266	EA		Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	524.06	172.67
26 05 46 00-0267	EA		Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	676.74	239.07
26 05 46 00-0268	EA		Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,214.85	478.14
26 05 46 00-0269	EA		Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	943.64	358.60
26 05 46 00-0270	EA		Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,761.46	717.21
26 05 46 00-0271	EA		Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,996.10	810.18
26 05 46 00-0272	EA		Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,071.11	398.45
26 05 46 00-0273	EA		Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	950.87	425.01
26 05 46 00-0274	EA		Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,819.68	863.31
26 05 46 00-0275	EA		Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,318.14	517.99
26 05 46 00-0276	EA		Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	846.00	371.89
26 05 46 00-0277	EA		Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,624.30	757.05
26 05 46 00-0278	EA		Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,208.65	385.17
26 05 46 00-0279			15 KV Pole Structure Assemblies (26 05 46 00-0261) Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0280	EA		Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	551.10	252.35
26 05 46 00-0281	EA		Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	917.60	425.01
26 05 46 00-0282	EA		Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,032.57	332.04
26 05 46 00-0283	EA		Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	557.33	172.67
26 05 46 00-0284	EA		Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	723.87	225.78
26 05 46 00-0285	EA		Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,309.12	478.14
26 05 46 00-0286	EA		Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,012.95	358.60
26 05 46 00-0287	EA		Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,902.86	717.21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0288	EA		Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,187.41	810.18
26 05 46 00-0289	EA		Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,165.38	398.45
26 05 46 00-0290	EA		Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	986.91	425.01
26 05 46 00-0291	EA		Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,855.72	863.31
26 05 46 00-0292	EA		Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,390.23	517.99
26 05 46 00-0293	EA		Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	882.04	358.60
26 05 46 00-0294	EA		Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,660.34	757.05
26 05 46 00-0295	EA		Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,280.74	464.86
26 05 46 00-0296			25 KV Pole Structure Assemblies (26 05 46 00-0261) Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0297	EA		Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,495.31	398.45
26 05 46 00-0298	EA		Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	893.86	199.23
26 05 46 00-0299	EA		Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,300.73	305.48
26 05 46 00-0300	EA		Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,822.13	624.23
26 05 46 00-0301	EA		Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,670.10	464.86
26 05 46 00-0302	EA		Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,785.95	916.44
26 05 46 00-0303	EA		Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,733.69	1,035.96
26 05 46 00-0304	EA		Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,866.49	604.31
26 05 46 00-0305	EA		Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,645.66	604.31
26 05 46 00-0306			50 KV Pole Structure Assemblies (26 05 46 00-0261) Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0307	EA		Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,009.36	544.55
26 05 46 00-0308	EA		Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,082.57	278.91
26 05 46 00-0309	EA		Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,420.55	438.30
26 05 46 00-0310	EA		Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,696.92	889.87
26 05 46 00-0311	EA		Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,060.12	664.08
26 05 46 00-0312	EA		Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,984.38	1,328.17
26 05 46 00-0313	EA		Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	4,664.91	1,474.26
26 05 46 00-0314	EA		Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,360.33	717.21
26 05 46 00-0315	EA		Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,433.75	830.10
26 05 46 00-0316	EA		Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,336.09	783.62
26 05 46 00-0317			Overhead To Underground Conversion Structures (26 05 46 00-0221) Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
26 05 46 00-0318			5 KV Structures (26 05 46 00-0317) Note: Excludes pole.		
26 05 46 00-0319	EA		(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,157.79	2,656.34
26 05 46 00-0320	EA		(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,157.79	2,656.34
26 05 46 00-0321	EA		(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,157.79	2,656.34
26 05 46 00-0322	EA		(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,157.79	2,656.34
26 05 46 00-0323			15 KV Structures (26 05 46 00-0317) Note: Excludes pole.		
26 05 46 00-0324	EA		(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,288.24	2,656.34
26 05 46 00-0325	EA		(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,288.24	2,656.34
26 05 46 00-0326	EA		(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,288.24	2,656.34
26 05 46 00-0327	EA		(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,288.24	2,656.34
26 05 46 00-0328			25 KV Structures (26 05 46 00-0317) Note: Excludes pole.		
26 05 46 00-0329	EA		(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,430.56	2,656.34
26 05 46 00-0330	EA		(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,430.56	2,656.34
26 05 46 00-0331	EA		(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,430.56	2,656.34
26 05 46 00-0332	EA		(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,430.56	2,656.34
26 05 46 00-0333			Transformer Stations (26 05 46 00-0221) Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 05 46 00-0334			5 KV Station (26 05 46 00-0333)		
26 05 46 00-0335	EA		(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole.....	7,067.87	3,539.89
26 05 46 00-0336	EA		(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole.....	7,933.56	3,983.70
26 05 46 00-0337	EA		(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole.....	8,799.26	4,427.22
26 05 46 00-0338	EA		(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole.....	8,799.26	4,427.22
26 05 46 00-0339	EA		(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole.....	7,067.87	3,539.89
26 05 46 00-0340			15 KV Stations (26 05 46 00-0333)		
26 05 46 00-0341	EA		(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	7,198.32	3,539.89
26 05 46 00-0342	EA		(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole.....	8,064.01	3,983.70
26 05 46 00-0343	EA		(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	8,929.71	4,427.22
26 05 46 00-0344	EA		(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole.....	8,929.71	4,427.22
26 05 46 00-0345	EA		(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole.....	7,198.32	3,539.89

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 46 00-0346		25 KV Stations <small>(26 05 46 00-0333)</small>			
26 05 46 00-0347	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	7,340.63		3,539.89
26 05 46 00-0348	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole.....	8,206.33		3,983.70
26 05 46 00-0349	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	9,072.03		4,427.22
26 05 46 00-0350	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole.....	9,072.03		4,427.22
26 05 46 00-0351	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole.....	7,340.63		3,539.89

26 05 53 Identification for Electrical Systems (26 05)**26 05 53 00-0001 Conduit Markers Pressure-Sensitive (26 05 53)**

Note: Stick-on, includes arrow tape.

26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.93		
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.57		
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on.....	14.85		
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.10		
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.35		
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.74		
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	17.68		
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on.....	18.18		
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	18.57		
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on.....	18.95		
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	19.75		
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on.....	20.60		
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on.....	21.36		
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on.....	22.11		
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on.....	23.78		
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on.....	25.18		

26 05 53 00-0018 Labeling Electrical Wires (26 05 53)

26 05 53 00-0019	EA	Labeling Wire.....	2.79		
------------------	----	--------------------	------	--	--

26 05 83 Wiring Connections (26 05)**26 05 83 00-0001 Tape Wrapped Compression Connectors (26 05 83)**

26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	15.83		5.74
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	17.23		6.37
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	18.46		7.01
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	21.09		7.65
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	22.73		8.28
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	25.10		8.92
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	26.86		9.56
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	29.18		10.19
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	32.34		11.47
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	33.99		12.11
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	37.39		12.75
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	40.43		13.38
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	45.01		14.66
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	51.97		16.57

26 05 83 00-0016 One Hole Compression Lugs (26 05 83)

26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	21.58		16.57
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	21.69		16.57
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	24.51		17.85
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	29.93		19.76
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	42.27		25.49
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	49.76		25.49
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	57.26		25.49
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	70.77		38.24
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	83.14		38.24
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	97.36		38.24
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	117.50		50.98
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	139.39		76.47
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	159.42		76.47
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	171.43		76.47
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	186.47		89.22
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	203.75		89.22
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	221.55		101.97
26 05 83 00-0034	EA	1,000 MCM Compression Lugs, 1 Hole, Low Voltage, To 600 Volts.....	259.20		114.71

26 05 83 00-0035 Two Hole Compression Lugs (26 05 83)

26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	43.85		21.67
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	46.96		23.07
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	49.63		23.07
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	57.11		26.51
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	70.60		33.14
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	82.97		39.39
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	97.17		46.14
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	117.28		55.95
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	139.14		66.41

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	159.13	75.84
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	171.13	81.70
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	186.11	88.46
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	203.35	96.61
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	221.89	104.77
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	273.49	127.46

26 05 83 00-0051 Tape Wrapped Split Bolt Connectors (26 05 83)

26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	66.20	50.98
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	72.80	54.81
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	82.93	57.35
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	95.94	63.73
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	112.92	70.10
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	125.51	76.47
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	156.47	82.85
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	167.80	89.22
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	176.73	95.59
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	200.03	105.15
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	223.32	152.94
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	244.03	127.46
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	264.75	172.07
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	290.87	178.44
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	326.41	191.19

26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone (26 05 83)

26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	90.93	50.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.76	
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	104.76	50.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.35	
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	145.22	76.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.49	
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	172.23	76.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.02	
26 05 83 00-0072	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	206.05	95.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.93	
26 05 83 00-0073	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	284.75	127.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.66	

26 05 83 00-0074 Terminal Blocks (26 05 83)

Note: Labor excludes wire termination.

26 05 83 00-0075	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	1,076.80	471.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	283.23	
26 05 83 00-0076	EA	#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block.....	248.38	63.80
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.65	
26 05 83 00-0077	EA	#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block.....	271.13	63.80
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.06	

26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection (26 05 83)

26 05 83 00-0079	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	43.84	23.07
26 05 83 00-0080	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	46.96	23.07
26 05 83 00-0081	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	49.63	23.07
26 05 83 00-0082	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	57.11	26.51
26 05 83 00-0083	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	70.60	33.14
26 05 83 00-0084	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	82.97	39.39
26 05 83 00-0085	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	97.17	46.14
26 05 83 00-0086	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	117.28	55.95
26 05 83 00-0087	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	139.14	66.41
26 05 83 00-0088	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	159.13	75.84
26 05 83 00-0089	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	171.13	81.70
26 05 83 00-0090	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	186.11	88.46
26 05 83 00-0091	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	203.35	96.61
26 05 83 00-0092	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	203.71	96.61
26 05 83 00-0093	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	43.84	23.07
26 05 83 00-0094	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	46.96	23.07
26 05 83 00-0095	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	49.63	23.07
26 05 83 00-0096	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	57.11	26.51
26 05 83 00-0097	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	70.60	33.14
26 05 83 00-0098	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	82.97	39.39
26 05 83 00-0099	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	97.17	46.14
26 05 83 00-0100	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	117.28	55.95
26 05 83 00-0101	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	139.14	66.41
26 05 83 00-0102	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	159.13	75.84
26 05 83 00-0103	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	171.13	81.70
26 05 83 00-0104	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	186.11	88.46
26 05 83 00-0105	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	203.35	96.61
26 05 83 00-0106	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	203.71	96.61

26 05 83 00-0107 Copper Mechanical Lugs (26 05 83)

26 05 83 00-0108	EA	#8 Copper Mechanical Lugs.....	34.59	15.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.56	

26 Electrical**26 05 Common Work Results For Electrical****26 05 83 Wiring Connections**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 83 00-0109	EA #6 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.60 11.55	19.25
26 05 83 00-0110	EA #4 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.11 13.38	22.30
26 05 83 00-0111	EA #2 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.41 17.07	28.42
26 05 83 00-0112	EA 1/0 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.00 22.94	38.24
26 05 83 00-0113	EA 2/0 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.27 26.65	44.35
26 05 83 00-0114	EA 3/0 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.37 30.59	50.98
26 05 83 00-0115	EA 4/0 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.69 34.31	57.22
26 05 83 00-0116	EA 250 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.36 38.24	63.73
26 05 83 00-0117	EA 300 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	165.71 42.08	70.10
26 05 83 00-0118	EA 350 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.98 45.88	76.47
26 05 83 00-0119	EA 400 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	200.14 49.67	82.85
26 05 83 00-0120	EA 500 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	217.59 53.53	89.22
26 05 83 00-0121	EA 750 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	247.00 60.98	101.58
26 05 83 00-0122	EA 1,000 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	279.37 68.83	114.71
26 05 83 00-0123	Gel Connectors <small>(26 05 83)</small>		
26 05 83 00-0124	EA 3 Port, #14 to 2/0, Push On Gel Stub Splice Kit Note: Kit contains connector, gel filled cap and cap clamp. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.22 3.83	
26 05 83 00-0125	EA 4 Port, #14 to 2, Gel Tap Splice Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.09 4.59	
26 05 83 00-0126	Other Connections <small>(26 05 83)</small>		
26 05 83 00-0127	EA #14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.40 3.50	5.83
26 05 83 00-0128	EA #12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.47 3.50	5.83
26 05 83 00-0129	EA #10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.55 3.50	5.83
26 05 83 00-0130	Motor/Equipment Connections And Terminations <small>(26 05 83)</small>		
Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors.			
26 05 83 00-0131	AC Single Phase, 230 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0132	EA <1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	82.48	31.87
26 05 83 00-0133	EA 1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	81.85	31.87
26 05 83 00-0134	EA 3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	95.34	38.24
26 05 83 00-0135	EA 1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	115.85	47.80
26 05 83 00-0136	EA 1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	117.11	47.80
26 05 83 00-0137	EA 2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	117.36	47.80
26 05 83 00-0138	EA 3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	121.51	47.80
26 05 83 00-0139	EA 5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	153.88	63.73
26 05 83 00-0140	EA 7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	158.54	63.73
26 05 83 00-0141	EA 10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	200.84	79.66
26 05 83 00-0142	AC Three Phase, 230 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0143	EA 1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	81.85	31.87
26 05 83 00-0144	EA 3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	95.34	38.24
26 05 83 00-0145	EA 1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	115.85	47.80
26 05 83 00-0146	EA 1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	117.11	47.80
26 05 83 00-0147	EA 2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	117.36	47.80
26 05 83 00-0148	EA 3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	121.51	47.80
26 05 83 00-0149	EA 5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	153.88	63.73
26 05 83 00-0150	EA 7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	158.54	63.73
26 05 83 00-0151	EA 10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	200.84	79.66
26 05 83 00-0152	EA 15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	207.13	79.66
26 05 83 00-0153	EA 20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	263.78	95.59
26 05 83 00-0154	EA 25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	273.35	95.59
26 05 83 00-0155	EA 30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	374.44	127.46
26 05 83 00-0156	EA 40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	469.62	159.32
26 05 83 00-0157	EA 50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	551.74	191.19
26 05 83 00-0158	EA 60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	658.98	223.04
26 05 83 00-0159	EA 75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	758.19	254.91
26 05 83 00-0160	EA 100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	939.88	318.64
26 05 83 00-0161	EA 125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,108.58	379.18
26 05 83 00-0162	EA 150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,316.31	442.27
26 05 83 00-0163	EA 200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,859.41	663.29

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-------------	------------------------	----------------------

26 05 83 00-0164	AC Three Phase, 460 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0165	EA 1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	81.85	31.87
26 05 83 00-0166	EA 3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	95.34	38.24
26 05 83 00-0167	EA 1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	115.85	47.80
26 05 83 00-0168	EA 1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	117.11	47.80
26 05 83 00-0169	EA 2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	117.36	47.80
26 05 83 00-0170	EA 3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	121.51	47.80
26 05 83 00-0171	EA 5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	153.88	63.73
26 05 83 00-0172	EA 7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	158.54	63.73
26 05 83 00-0173	EA 10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	200.84	79.66
26 05 83 00-0174	EA 15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	207.13	79.66
26 05 83 00-0175	EA 20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	263.79	95.59
26 05 83 00-0176	EA 25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	273.34	95.59
26 05 83 00-0177	EA 30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	374.44	127.46
26 05 83 00-0178	EA 40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	470.00	159.57
26 05 83 00-0179	EA 50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	551.74	191.19
26 05 83 00-0180	EA 60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	658.98	223.04
26 05 83 00-0181	EA 75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	758.19	254.91
26 05 83 00-0182	EA 100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	939.88	318.64
26 05 83 00-0183	EA 125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,108.94	379.31
26 05 83 00-0184	EA 150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,316.80	442.52
26 05 83 00-0185	EA 200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,860.51	663.79

26 05 83 00-0186	AC Single Phase, 120 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0187	EA 1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	82.48	31.87

26 05 83 00-0188	Motor Moisture Sensor <small>(26 05 83 00-0130)</small>		
26 05 83 00-0189	EA Motor Moisture Sensor Located In Winding.....	682.39	

26 09 Instrumentation and Control for Electrical Systems (26)

26 09 23 Lighting Control Devices (26 09)

26 09 23 00-0001	Lighting Contactors <small>(26 09 23)</small>		
	<small>Note: Up to 600 volt.</small>		
26 09 23 00-0002	Electrically Held, Lighting Contactors <small>(26 09 23 00-0001)</small>		
26 09 23 00-0003	NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0004	2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0005	EA 20 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	382.70	101.97
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.18	
26 09 23 00-0006	EA 30 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	463.21	114.71
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.83	
26 09 23 00-0007	EA 60 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	835.75	178.44
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.06	
26 09 23 00-0008	EA 100 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,270.65	242.16
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.30	
26 09 23 00-0009	EA 200 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,486.44	318.64
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.18	
26 09 23 00-0010	3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0011	EA 20 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	431.81	114.71
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.83	
26 09 23 00-0012	EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	509.32	127.46
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.47	
26 09 23 00-0013	EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	914.23	203.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.36	
26 09 23 00-0014	EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,377.64	267.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.60	
26 09 23 00-0015	EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,676.40	350.50
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	210.30	
26 09 23 00-0016	4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0017	EA 20 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	501.85	127.46
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.47	
26 09 23 00-0018	EA 30 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	591.30	140.20
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.12	
26 09 23 00-0019	EA 60 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,090.94	229.42
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.65	
26 09 23 00-0020	EA 100 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,624.57	293.15
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.89	
26 09 23 00-0021	EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	3,360.44	382.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	229.42	
26 09 23 00-0022	NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 09 23 00-0023	2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0024	EA 20 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	572.73	101.97
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.18	
26 09 23 00-0025	EA 30 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	715.16	114.71
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.83	
26 09 23 00-0026	EA 60 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,338.19	178.44
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.06	
26 09 23 00-0027	EA 100 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,984.29	242.16
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.30	
26 09 23 00-0028	EA 200 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,704.49	318.64
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.18	
26 09 23 00-0029	3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0030	EA 20 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	601.98	114.71
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.83	
26 09 23 00-0031	EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	761.28	127.46
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.47	
26 09 23 00-0032	EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,418.15	203.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.36	
26 09 23 00-0033	EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,090.78	267.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.60	
26 09 23 00-0034	EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,893.95	350.50
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	210.30	
26 09 23 00-0035	4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0036	EA 20 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	653.78	127.46
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.47	
26 09 23 00-0037	EA 30 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	843.25	140.20
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.12	
26 09 23 00-0038	EA 60 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,790.83	229.42
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.65	
26 09 23 00-0039	EA 100 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,533.68	293.15
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.89	
26 09 23 00-0040	EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	5,118.25	382.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	229.42	
26 09 23 00-0041	Mechanically Held, Lighting Contactors (26 09 23 00-0001)		
26 09 23 00-0042	NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0043	2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0044	EA 20 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	521.20	101.97
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.18	
26 09 23 00-0045	EA 30 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	591.89	114.71
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.83	
26 09 23 00-0046	EA 60 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,086.23	178.44
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.06	
26 09 23 00-0047	EA 100 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,507.88	242.16
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.30	
26 09 23 00-0048	EA 200 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	3,256.56	318.64
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.18	
26 09 23 00-0049	3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0050	EA 20 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	562.26	114.71
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.83	
26 09 23 00-0051	EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	638.99	127.46
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.47	
26 09 23 00-0052	EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,166.19	203.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.36	
26 09 23 00-0053	EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,615.35	267.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.60	
26 09 23 00-0054	EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	3,655.25	350.50
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	210.30	
26 09 23 00-0055	4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0056	EA 20 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	610.29	127.46
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.47	
26 09 23 00-0057	EA 30 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	685.10	140.20
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.12	
26 09 23 00-0058	EA 60 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,356.16	229.42
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.65	
26 09 23 00-0059	EA 100 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,876.53	293.15
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.89	
26 09 23 00-0060	EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	4,376.13	382.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	229.42	
26 09 23 00-0061	NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0062	2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0063	EA		20 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	735.40 61.18	101.97
26 09 23 00-0064	EA		30 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	843.84 68.83	114.71
26 09 23 00-0065	EA		60 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,590.15 107.06	178.44
26 09 23 00-0066	EA		100 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,221.51 145.30	242.16
26 09 23 00-0067	EA		200 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,473.62 191.18	318.64
26 09 23 00-0068			3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0068)</small>		
26 09 23 00-0069	EA		20 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	783.43 68.83	114.71
26 09 23 00-0070	EA		30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	890.94 76.47	127.46
26 09 23 00-0071	EA		60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,670.11 122.36	203.93
26 09 23 00-0072	EA		100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,329.48 160.60	267.66
26 09 23 00-0073	EA		200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,873.30 210.30	350.50
26 09 23 00-0074			4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0074)</small>		
26 09 23 00-0075	EA		20 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	834.15 76.47	127.46
26 09 23 00-0076	EA		30 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	937.06 84.12	140.20
26 09 23 00-0077	EA		60 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,056.05 137.65	229.42
26 09 23 00-0078	EA		100 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,785.64 175.89	293.15
26 09 23 00-0079	EA		200 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,098.08 229.42	382.37
26 09 23 00-0080			Combination Lighting Contactors <small>(26 09 23)</small> Note: Up to 600 volt.		
26 09 23 00-0081			Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0080)</small>		
26 09 23 00-0082			NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0081)</small>		
26 09 23 00-0083			3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0082)</small>		
26 09 23 00-0084	EA		30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	954.50 84.12	140.20
26 09 23 00-0085	EA		60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,500.67 134.59	224.33
26 09 23 00-0086	EA		100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,361.40 176.66	294.42
26 09 23 00-0087	EA		200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,172.54 231.33	385.55
26 09 23 00-0088			NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0081)</small>		
26 09 23 00-0089			3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0088)</small>		
26 09 23 00-0090	EA		30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,625.65 84.12	140.20
26 09 23 00-0091	EA		60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,535.03 134.59	224.33
26 09 23 00-0092	EA		100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,166.36 176.66	294.42
26 09 23 00-0093	EA		200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,481.42 231.33	385.55
26 09 23 00-0094			Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0080)</small>		
26 09 23 00-0095			NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0094)</small>		
26 09 23 00-0096			3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0095)</small>		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 09 23 00-0097	EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	1,031.12	140.20
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.12	
26 09 23 00-0098	EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	1,765.89	224.33
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.59	
26 09 23 00-0099	EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	2,612.62	294.42
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.66	
26 09 23 00-0100	EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	4,886.42	385.55
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	231.33	
26 09 23 00-0101	NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors ^(26 09 23 00-0094)		
26 09 23 00-0102	3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors ^(26 09 23 00-0101)		
26 09 23 00-0103	EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	1,703.00	140.20
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.12	
26 09 23 00-0104	EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	2,801.72	224.33
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.59	
26 09 23 00-0105	EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	4,418.32	294.42
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.66	
26 09 23 00-0106	EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	7,195.30	385.55
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	231.33	
26 09 23 00-0107	Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket ^(26 09 23)		
26 09 23 00-0108	EA Photo-Cell, 105-130 Volt Relay, Lighting Arrester, Receptacle And Bracket.....	131.80	33.14
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.92	
26 09 23 00-0109	EA Photo-Cell, 105-285 Volt Relay, Lighting Arrester, Receptacle And Bracket.....	142.64	33.14
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.92	
26 09 23 00-0110	Dimming Module System (Lutron Grafik Eye) ^(26 09 23)		
26 09 23 00-0111	EA 2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2).....	1,084.68	127.46
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.47	
26 09 23 00-0112	EA 4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4).....	1,366.50	127.46
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.47	
26 09 23 00-0113	EA 6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6).....	1,653.34	127.46
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.47	
26 09 23 00-0114	Dimming Module Contol (Leviton) ^(26 09 23)		
26 09 23 00-0115	EA 5 Amp Wireless Dimming Module (Leviton WSD05-9D0).....	139.86	15.95
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.57	
26 09 23 00-0116	Light Control Panels ^(26 09 23)		
26 09 23 00-0117	Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0116)		
26 09 23 00-0118	Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0117)		
26 09 23 00-0119	EA 4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4).....	1,391.47	178.63
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.18	
26 09 23 00-0120	EA 8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8).....	1,322.90	191.39
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.83	
26 09 23 00-0121	EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G).....	1,469.87	191.39
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.83	
26 09 23 00-0122	EA 8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8).....	2,127.57	191.39
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.83	
26 09 23 00-0123	EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G).....	2,300.12	191.39
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.83	
26 09 23 00-0124	EA 4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4).....	1,532.81	178.63
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.18	
26 09 23 00-0125	EA 8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8).....	1,644.52	191.39
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.83	
26 09 23 00-0126	EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G).....	1,816.89	191.39
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.83	
26 09 23 00-0127	EA 8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8).....	2,196.53	191.39
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.83	
26 09 23 00-0128	EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G).....	2,369.06	191.39
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.83	
26 09 23 00-0129	Accessories For Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0117)		
26 09 23 00-0130	EA Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2).....	145.74	31.90
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.14	
26 09 23 00-0131	EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W).....	112.89	25.51
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0132 EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.55 15.31	25.51
26 09 23 00-0133 Lighting Control Panels (Synergy) <small>(26 09 23 00-0116)</small>		
26 09 23 00-0134 Lighting Control Panels (Synergy) <small>(26 09 23 00-0133)</small>		
26 09 23 00-0135 EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,711.00 114.83	191.39
26 09 23 00-0136 Accessories For Lighting Control Panels (Synergy) <small>(26 09 23 00-0133)</small>		
26 09 23 00-0137 EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	405.54 19.14	31.90
26 09 23 00-0138 EA Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.45 7.65	12.76
26 09 23 00-0139 EA Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.37 11.48	19.14
26 09 23 00-0140 Lighting Switching Panels (Lutron) <small>(26 09 23 00-0116)</small>		
26 09 23 00-0141 Lighting Switching Panels (Lutron) <small>(26 09 23 00-0140)</small>		
26 09 23 00-0142 EA 8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,425.78 114.83	191.39
26 09 23 00-0143 EA 12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,900.17 122.49	204.15
26 09 23 00-0144 EA 16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,440.93 130.15	216.91
26 09 23 00-0145 Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) <small>(26 09 23 00-0116)</small>		
26 09 23 00-0146 EA 6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,001.29 107.18	178.63
26 09 23 00-0147 EA 12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,118.38 107.18	178.63
26 09 23 00-0148 EA 18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,235.48 107.18	178.63
26 09 23 00-0149 Power Filters <small>(26 09 23 00-0116)</small>		
26 09 23 00-0150 EA 600 Amp 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	34,579.92	1,062.09
26 09 23 00-0151 EA 200 Amp 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	20,396.99	461.77
26 09 23 00-0152 Signal Filters <small>(26 09 23 00-0116)</small>		
26 09 23 00-0153 EA 0.5 Amp 125 V 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case.....	15,995.27	965.61
26 09 23 00-0154 EA 0.5 Amp 125 V 200 Conductor Signal Filter With 29" X 40" X 11" Case.....	10,916.85	590.12
26 09 23 00-0155 EA 0.5 Amp 125 V 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	6,094.53	342.60
26 09 23 00-0156 EA 5 Amp 24 V DC 5 V 2 - 1 Pair Conductor Signal Filter With Case	8,258.24	342.60
26 09 23 00-0157 Lighting Control Devices (Encelium) <small>(26 09 23)</small>		
26 09 23 00-0158 EA 8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120V) With Polaris 3D™ (Encelium EN-ECU-G4-P3D)..... Note: Excludes GB II cable.	8,986.12	127.59
26 09 23 00-0159 EA Server, System Support Unit (SSU) (Encelium EN-SSU-1U) Note: Excludes GB II and Ethernet cable.	4,171.94	127.59
26 09 23 00-0160 EA Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) Note: Excludes GB II and Ethernet cable.	2,227.72	127.59
26 09 23 00-0161 EA Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) Note: Excludes GB II and Ethernet cable.	9,038.28	127.59
26 09 23 00-0162 EA Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK)..... Note: Excludes GB II cable.	84.86	15.95
26 09 23 00-0163 EA Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR)..... Note: Excludes GB II cable.	123.38	15.95
26 09 23 00-0164 EA Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK)..... Note: Excludes GB II cable.	166.16	31.90
26 09 23 00-0165 EA Damp Rated, Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V- GB2-BK-DR)..... Note: Excludes GB II cable.	194.48	31.90
26 09 23 00-0166 EA Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) Note: Excludes GB II cable.	116.76	31.90
26 09 23 00-0167 EA Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR)..... Note: Excludes GB II cable.	155.28	31.90
26 09 23 00-0168 EA 16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) Note: Excludes cable.	375.88	63.80
26 09 23 00-0169 EA Rack Mounted, Wired Power Bar (Encelium PWR-700)	296.74	63.80
26 09 23 00-0170 EA Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	495.67	63.80
26 09 23 00-0171 EA Wall Mounted, 4U Mounting Rack (Encelium RCK-700).....	207.32	63.80
26 09 23 00-0172 EA 4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) Note: Excludes cable.	548.67	63.80
26 09 23 00-0173 EA Wired BACnet Interface (Encelium BIF-600) Note: Excludes cable.	5,376.71	255.19

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0174	EA		Wired AV Interface (Encelium EN-SW-AVINT) Note: Excludes cable.	3,866.47	63.80
26 09 23 00-0175	EA		Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) Note: Includes white finish. Excludes GB II cable.	157.14	15.95
26 09 23 00-0176	EA		3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	188.43	15.95
26 09 23 00-0177	EA		3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	180.88	15.95
26 09 23 00-0178	EA		5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) Note: Includes white finish. Excludes GB II cable.	188.43	15.95
26 09 23 00-0179	EA		6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH) Note: Includes white finish. Excludes GB II cable.	180.88	15.95
26 09 23 00-0180	EA		Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) Note: Includes white finish. Excludes GB II cable.	140.22	15.95
26 09 23 00-0181	EA		Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT) Note: Includes white finish. Excludes GB II cable.	188.43	15.95
26 09 23 00-0182	EA		3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) Note: Includes white finish. Excludes GB II cable.	180.88	15.95
26 09 23 00-0183	EA		Wired Key Switch Controller (Encelium KSW-300) Note: Excludes GB II cable.	137.17	15.95
26 09 23 00-0184	EA		Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) Note: Includes white finish.	66.75	15.95
26 09 23 00-0185	EA		1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2) Note: Excludes GB II cable.	71.72	31.90
26 09 23 00-0186	EA		1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2) Note: Excludes GB II cable.	72.05	31.90
26 09 23 00-0187	EA		5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2) Note: Excludes GB II cable.	74.72	31.90
26 09 23 00-0188	EA		10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2) Note: Excludes GB II cable.	77.35	31.90
26 09 23 00-0189	EA		15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2) Note: Excludes GB II cable.	80.49	31.90
26 09 23 00-0190	EA		20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2) Note: Excludes GB II cable.	83.33	31.90
26 09 23 00-0191	EA		25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2) Note: Excludes GB II cable.	86.81	31.90
26 09 23 00-0192	EA		50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2) Note: Excludes GB II cable.	102.54	31.90
26 09 23 00-0193	EA		1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2) Note: Excludes GB II cable.	500.29	31.90
26 09 23 00-0194	EA		Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2) Note: Excludes GB II cable.	143.66	31.90
26 09 23 00-0195	EA		1,000' Box, Category 5, Network Cable (Encelium NWC-400-B) Note: Excludes GB II cable.	637.34	31.90
26 09 23 00-0196	EA		Indoor Wired Photo Sensor (Encelium PHS-700) Note: Excludes GB II cable.	414.36	63.80
26 09 23 00-0197	EA		Outdoor Wired Photo Sensor (Encelium PHS-800) Note: Excludes GB II cable.	414.36	63.80
26 09 23 00-0198	EA		Skylight Wired Photo Sensor (Encelium PHS-900) Note: Excludes GB II cable.	414.36	63.80
26 09 23 00-0199	EA		450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450) Note: Excludes GB II cable.	243.84	63.80
26 09 23 00-0200	EA		1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500) Note: Excludes GB II cable.	238.12	63.80
26 09 23 00-0201	EA		2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) Note: Excludes GB II cable.	241.93	63.80
26 09 23 00-0202	EA		High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY) Note: Excludes GB II cable.	260.99	63.80
26 09 23 00-0203	EA		Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) Note: Excludes GB II cable.	241.93	63.80
26 09 23 00-0204	EA		Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor, 120-277VAC, No Neutral (Encelium SSP-LNV) Note: Excludes GB II cable.	203.83	63.80
26 09 23 00-0205	EA		High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPSEM24V) Note: Excludes GB II cable.	212.53	63.80
26 09 23 00-0206	EA		High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSPM24V) Note: Excludes GB II cable.	212.53	63.80
26 09 23 00-0207	EA		360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360) Note: Excludes GB II cable.	139.94	63.80
26 09 23 00-0208	EA		Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24) Note: Excludes GB II cable.	246.65	63.80
26 09 23 00-0209	EA		Hallway, Wired Occupancy Sensor (Encelium HW-13) Note: Excludes GB II cable.	324.33	63.80
26 09 23 00-0210	EA		500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) Note: Excludes GB II cable.	291.48	63.80
26 09 23 00-0211	EA		1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) Note: Excludes GB II cable.	306.72	63.80
26 09 23 00-0212	EA		2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) Note: Excludes GB II cable.	314.35	63.80
26 09 23 00-0213	EA		1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200) Note: Excludes GB II cable.	289.57	63.80
26 09 23 00-0214	EA		Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor, 120-277VAC, No Neutral (Encelium SSM-LNV) Note: Excludes GB II cable.	251.47	63.80
26 09 23 00-0215	EA		500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) Note: Excludes GB II cable.	299.68	63.80
26 09 23 00-0216	EA		1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) Note: Excludes GB II cable.	297.68	63.80
26 09 23 00-0217	EA		2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) Note: Excludes GB II cable.	323.69	63.80
26 09 23 00-0218	EA		1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) Note: Excludes GB II cable.	315.69	63.80
26 09 23 00-0219	EA		Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) Note: Excludes GB II cable.	335.23	63.80
26 09 23 00-0220	EA		Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV) Note: Excludes GB II cable.	315.77	63.80

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

26 09 23 00-0221	EA			Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) Note: Excludes GB II cable.	315.77	63.80
26 09 23 00-0222	EA			10A, 120V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C)	227.95	63.80
26 09 23 00-0223	EA			10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C)	239.92	63.80
26 09 23 00-0224	EA			20A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P)	375.61	63.80
26 09 23 00-0225	EA			20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P)	397.60	63.80
26 09 23 00-0226	EA			10A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D)	308.88	63.80
26 09 23 00-0227	EA			10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D)	319.50	63.80
26 09 23 00-0228	EA			24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) Note: Excludes GB II cable and enclosure.	865.03	127.59
26 09 23 00-0229	EA			24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V)	2,806.69	510.37
26 09 23 00-0230	EA			12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V)	3,878.26	510.37
26 09 23 00-0231	EA			24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V)	4,949.82	510.37
26 09 23 00-0232	EA			Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) Note: Excludes GB II cable.	432.51	63.80
26 09 23 00-0233	EA			Wired DALI Bridge (Encelium EN-DB-1L-GB2) Note: Excludes GB II cable.	486.96	63.80
26 09 23 00-0234	EA			Wireless Manager (Encelium EN-WM-ZB-P3D) Note: Includes white finish.	1,216.58	63.80
26 09 23 00-0235	EA			Wireless Control Module (Encelium EN-WCM-ZB).....	187.22	31.90
26 09 23 00-0236	EA			Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR)	216.26	31.90
26 09 23 00-0237	EA			Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK).....	216.98	31.90
26 09 23 00-0238	EA			Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR)	223.83	31.90
26 09 23 00-0239	EA			2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	155.32	15.95
26 09 23 00-0240	EA			3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH)	155.32	15.95
26 09 23 00-0241	EA			3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	155.32	15.95
26 09 23 00-0242	EA			5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	155.32	15.95
26 09 23 00-0243	EA			6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	155.32	15.95
26 09 23 00-0244	EA			Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	160.04	15.95
26 09 23 00-0245	EA			315 MHz, Wireless Photocell (Encelium TAP-17C)	367.17	63.80
26 09 23 00-0246	EA			450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	251.01	63.80
26 09 23 00-0247	EA			1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	251.01	63.80
26 09 23 00-0248	EA			1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	280.05	63.80
26 09 23 00-0249	EA			450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	280.05	63.80
26 09 23 00-0250	EA			2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	155.32	15.95
26 09 23 00-0251	EA			3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH)	155.32	15.95
26 09 23 00-0252	EA			3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	155.32	15.95
26 09 23 00-0253	EA			5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	155.32	15.95
26 09 23 00-0254	EA			6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	155.32	15.95
26 09 23 00-0255	EA			Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	160.04	15.95
26 09 23 00-0256	EA			315 MHz, Wireless Photocell (Encelium TAP-17C)	367.17	63.80
26 09 23 00-0257	EA			3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	155.32	15.95
26 09 23 00-0258	EA			5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	155.32	15.95
26 09 23 00-0259	EA			6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	155.32	15.95
26 09 23 00-0260	EA			Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	160.04	15.95
26 09 23 00-0261	EA			315 MHz, Wireless Photocell (Encelium TAP-17C)	367.17	63.80
26 09 23 00-0262	EA			450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	251.01	63.80
26 09 23 00-0263	EA			1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	251.01	63.80
26 09 23 00-0264	EA			1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	280.05	63.80
26 09 23 00-0265	EA			450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	280.05	63.80
26 09 23 00-0266	EA			2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	155.32	15.95
26 09 23 00-0267	EA			3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH)	155.32	15.95
26 09 23 00-0268	EA			3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	155.32	15.95
26 09 23 00-0269	EA			5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	155.32	15.95
26 09 23 00-0270	EA			6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	155.32	15.95
26 09 23 00-0271	EA			Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	160.04	15.95
26 09 23 00-0272	EA			315 MHz, Wireless Photocell (Encelium TAP-17C)	367.17	63.80
26 09 23 00-0273	EA			Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB)	144.28	63.80
26 09 23 00-0274	EA			Emergency Lighting Control Unit (WattStopper ELCU-200)	226.82	57.42
26 09 23 00-0275	EA			Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit)	462.76	63.80

26 09 23 00-0276 Lighting Control Sensors (26 09 23)						
26 09 23 00-0277	EA			DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	241.84	28.71
26 09 23 00-0278	EA			DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	241.84	28.71
26 09 23 00-0279	EA			Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	215.08	28.71
26 09 23 00-0280	EA			Zigbee Dongle (LG 9CM2315VD2.AWP01U)	68.53	19.14
26 09 23 00-0281	EA			Clip for Performance Troffer (LG BKTRR015122.BUAAWAA).....	7.50	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 09 23 00-0282	EA	Clip for Downlight (BKTCE015123.BUAAWAA).....		42.87	
26 09 23 00-0283	EA	Clip for Tube (LG BKTTU015121.BUAAWAA).....		9.45	
26 09 23 00-0284		Radio Controlled Devices (Lutron) (26 09 23)			
26 09 23 00-0285		Tabletop Transmitters For Radio Controlled Devices (26 09 23 00-0284)			
26 09 23 00-0286		Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0285)			
26 09 23 00-0287	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....		298.62	19.14
26 09 23 00-0288	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH).....		383.97	19.14
26 09 23 00-0289	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH).....		479.99	19.14
26 09 23 00-0290		Dimmable Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0285)			
26 09 23 00-0291	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH).....		298.62	19.14
26 09 23 00-0292	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH).....		351.97	19.14
26 09 23 00-0293	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH).....		479.99	19.14
26 09 23 00-0294	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....		298.62	19.14
26 09 23 00-0295	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....		383.97	19.14
26 09 23 00-0296	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....		479.99	19.14
26 09 23 00-0297		Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0285)			
26 09 23 00-0298	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH).....		383.97	19.14
26 09 23 00-0299	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....		479.99	19.14
26 09 23 00-0300	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....		479.99	19.14
26 09 23 00-0301		Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter (26 09 23 00-0285)			
26 09 23 00-0302	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH).....		298.62	19.14
26 09 23 00-0303	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH).....		383.97	19.14
26 09 23 00-0304	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH).....		351.97	19.14
26 09 23 00-0305	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH).....		426.65	19.14
26 09 23 00-0306	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH).....		383.97	19.14
26 09 23 00-0307	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH).....		458.66	19.14
26 09 23 00-0308	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH).....		383.97	19.14
26 09 23 00-0309		Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter (26 09 23 00-0285)			
26 09 23 00-0310	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....		298.62	19.14
26 09 23 00-0311	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....		383.97	19.14
26 09 23 00-0312	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH).....		383.97	19.14
26 09 23 00-0313	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH).....		479.99	19.14
26 09 23 00-0314	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH).....		383.97	19.14
26 09 23 00-0315	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH).....		479.99	19.14
26 09 23 00-0316		Output Switch Closure Controls, Tabletop Wireless Transmitter (26 09 23 00-0285)			
26 09 23 00-0317	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH).....		298.62	19.14
26 09 23 00-0318	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH).....		383.97	19.14
26 09 23 00-0319	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C2C4-WH).....		479.99	19.14
26 09 23 00-0320		Accessories For Tabletop Wireless Transmitter (26 09 23 00-0285)			
26 09 23 00-0321	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH).....		74.58	19.14
26 09 23 00-0322		Wall Box Transmitters For Radio Controlled Devices (26 09 23 00-0284)			
26 09 23 00-0323	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH).....		277.28	19.14
26 09 23 00-0324	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....		298.62	19.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0325	EA		Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	298.62	19.14
26 09 23 00-0326	EA		Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	298.62	19.14
26 09 23 00-0327	EA		Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	298.62	19.14
26 09 23 00-0328	EA		Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	298.62	19.14
26 09 23 00-0329			Interfaces For Radio Controlled Devices <small>(26 09 23 00-0284)</small>		
26 09 23 00-0330	EA		Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	277.28	19.14
26 09 23 00-0331	EA		Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	277.28	19.14
26 09 23 00-0332	EA		Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	277.28	19.14
26 09 23 00-0333	EA		Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	548.27	19.14
26 09 23 00-0334	EA		RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	778.72	19.14
26 09 23 00-0335	EA		Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	778.72	19.14
26 09 23 00-0336			Florescent Controllers For Radio Controlled Devices <small>(26 09 23 00-0284)</small>		
26 09 23 00-0337	EA		On/Off Switched Florescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	351.97	19.14
26 09 23 00-0338	EA		Dimmable Florescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	394.64	19.14
26 09 23 00-0339	EA		Switch Closures And Dimmable Florescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	458.66	19.14
26 09 23 00-0340			AC Motor Group Controllers For Radio Controlled Devices <small>(26 09 23 00-0284)</small>		
26 09 23 00-0341	EA		Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	512.00	19.14
26 09 23 00-0342	EA		Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	698.71	19.14
26 09 23 00-0343			Occupancy Sensors (Watt Stopper) <small>(26 09 23)</small>		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0344			Occupancy Sensors <small>(26 09 23 00-0343)</small>		
			Note: Exclude boxes.		
26 09 23 00-0345			Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0344)</small>		
26 09 23 00-0346			Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0345)</small>		
26 09 23 00-0347	EA		Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	98.12	12.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 09 23 00-0348	EA		Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	114.19	12.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 09 23 00-0349			Passive Infrared, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0345)</small>		
26 09 23 00-0350	EA		Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	82.57	12.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 09 23 00-0351	EA		Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	77.70	12.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 09 23 00-0352	EA		Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	86.80	12.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 09 23 00-0353	EA		Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	99.09	12.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 09 23 00-0354	EA		Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	98.08	12.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 09 23 00-0355			Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0345)</small>		
26 09 23 00-0356	EA		Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	138.68	12.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 09 23 00-0357	EA		Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	148.85	12.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 09 23 00-0358			Wall Switch Mounted Occupancy Sensor Accessories <small>(26 09 23 00-0345)</small>		
26 09 23 00-0359	EA		Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	7.35	3.19
26 09 23 00-0360	EA		One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	8.16	3.19
26 09 23 00-0361	EA		Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	8.16	3.19
26 09 23 00-0362			Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0344)</small>		
26 09 23 00-0363			Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0362)</small>		
26 09 23 00-0364			25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0363)</small>		
26 09 23 00-0365	EA		500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	137.91	28.71
26 09 23 00-0366	EA		1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	155.39	28.71
26 09 23 00-0367	EA		2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	173.01	28.71
26 09 23 00-0368	EA		90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	171.42	28.71
26 09 23 00-0369			32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0363)</small>		
26 09 23 00-0370	EA		600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	148.26	28.71
26 09 23 00-0371	EA		1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	166.00	28.71

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 09 23 00-0372	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	182.79		28.71
26 09 23 00-0373	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	185.64		28.71
26 09 23 00-0374	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	158.86		28.71
26 09 23 00-0375	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	177.04		28.71
26 09 23 00-0376	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	195.15		28.71
26 09 23 00-0377	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250)	200.36		28.71
26 09 23 00-0378		40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0363)</small>			
26 09 23 00-0379	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1)	153.38		28.71
26 09 23 00-0380	EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2)	174.58		28.71
26 09 23 00-0381	EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3)	192.31		28.71
26 09 23 00-0382	EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1)	145.57		28.71
26 09 23 00-0383	EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2)	172.28		28.71
26 09 23 00-0384	EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3)	180.93		28.71
26 09 23 00-0385	EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1)	154.48		28.71
26 09 23 00-0386	EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2)	169.86		28.71
26 09 23 00-0387	EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3)	188.85		28.71
26 09 23 00-0388		Passive Infrared, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0362)</small>			
26 09 23 00-0389	EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR)	117.49		28.71
26 09 23 00-0390	EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24)	119.56		28.71
26 09 23 00-0391	EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205)	124.45		28.71
26 09 23 00-0392	EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355)	137.58		28.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23		
26 09 23 00-0393	EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305)	139.17		28.71
26 09 23 00-0394	EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200)	146.03		28.71
26 09 23 00-0395	EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300)	157.03		28.71
26 09 23 00-0396		Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0362)</small>			
26 09 23 00-0397	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355)	182.64		28.71
26 09 23 00-0398	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300)	205.90		28.71
26 09 23 00-0399	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305)	177.71		28.71
26 09 23 00-0400		Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0344)</small>			
26 09 23 00-0401		Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0400)</small>			
26 09 23 00-0402	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3)	219.83		28.71
26 09 23 00-0403	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100)	219.83		28.71
26 09 23 00-0404		Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0400)</small>			
26 09 23 00-0405	EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200)	205.90		28.71
26 09 23 00-0406		Occupancy Sensor Power Packs <small>(26 09 23 00-0343)</small>			
26 09 23 00-0407		Single Voltage, Occupancy Sensor Power Packs <small>(26 09 23 00-0406)</small>			
26 09 23 00-0408	EA	220 - 240 Volt AC, 20 Amp, Occupancy Sensor Power Pack (Watt Stopper B230E-P)	83.55		25.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31		
26 09 23 00-0409	EA	347 Volt AC, 15 Amp, Occupancy Sensor Power Pack (Watt Stopper B347D-P)	77.65		25.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31		
26 09 23 00-0410		Auxiliary, Occupancy Sensor Power Packs <small>(26 09 23 00-0406)</small>			
26 09 23 00-0411	EA	120, 277 Or 347 Volt AC, 20 Amp, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P)	72.78		25.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31		
26 09 23 00-0412		Universal Voltage, Power Packs For Occupancy Sensors <small>(26 09 23 00-0406)</small>			
26 09 23 00-0413	EA	120/277 Volt AC, 20 Amp, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100)	90.59		25.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31		

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

26 09 23 00-0414				Form C, Occupancy Sensor Power Packs <small>(26 09 23 00-0406)</small>		
26 09 23 00-0415	EA			120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	83.82	25.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 09 23 00-0416	EA			277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	83.88	25.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 09 23 00-0417				Two Relay, Occupancy Sensor Power Packs <small>(26 09 23 00-0406)</small>		
26 09 23 00-0418	EA			120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P).....	100.94	25.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 09 23 00-0419	EA			277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P).....	102.11	25.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 09 23 00-0420				Occupancy Sensor Power Supplies <small>(26 09 23 00-0406)</small>		
26 09 23 00-0421	EA			120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-120)	195.91	25.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 09 23 00-0422	EA			277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277)	187.50	25.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 09 23 00-0423				Intelligent, Occupancy Sensor Power Packs <small>(26 09 23 00-0406)</small>		
26 09 23 00-0424	EA			120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	242.39	25.51
26 09 23 00-0425				DIN Rail Mounted, Occupancy Sensor Power Packs <small>(26 09 23 00-0406)</small>		
26 09 23 00-0426	EA			120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100)	89.92	25.51
26 09 23 00-0427				Occupancy Sensor Accessories <small>(26 09 23 00-0343)</small>		
26 09 23 00-0428				Protective Cages For Occupancy Sensors <small>(26 09 23 00-0427)</small>		
26 09 23 00-0429	EA			Protective Cage For Occupancy Sensors (Watt Stopper WC).....	48.14	9.57
26 09 23 00-0430				Mounting Brackets For Occupancy Sensors <small>(26 09 23 00-0427)</small>		
26 09 23 00-0431	EA			Mounting Bracket For Occupancy Sensor (Watt Stopper MB).....	43.48	15.95
				Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.		
26 09 23 00-0432				Occupancy/Lighting Logger <small>(26 09 23 00-0427)</small>		
				Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0433	EA			Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	345.79	54.23
26 09 23 00-0434				Remove And Reinstall Occupancy Sensors <small>(26 09 23 00-0427)</small>		
26 09 23 00-0435	EA			Removal And Reinstallation Of Surface Mounted Occupancy Sensor.....	86.13	
				Note: Includes storing and cleaning.		
26 09 23 00-0436	EA			Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor	38.28	
				Note: Includes storing and cleaning.		
26 09 23 00-0437				Digital Time Light Switches <small>(26 09 23 00-0343)</small>		
26 09 23 00-0438	EA			Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	75.39	12.76
26 09 23 00-0439				Occupancy Sensors (Sensor Switch) <small>(26 09 23)</small>		
				Note: Includes testing of new devices and certification.		
26 09 23 00-0440				Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0439)</small>		
				Note: Exclude boxes		
26 09 23 00-0441				Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0440)</small>		
26 09 23 00-0442				Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0441)</small>		
26 09 23 00-0443	EA			Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	132.20	12.76
26 09 23 00-0444	EA			Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	96.64	12.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 09 23 00-0445	EA			Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	92.72	12.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 09 23 00-0446	EA			Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	92.72	12.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 09 23 00-0447	EA			2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	114.42	12.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 09 23 00-0448	EA			Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	114.42	12.76
26 09 23 00-0449	EA			2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)	136.65	12.76
26 09 23 00-0450	EA			Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	114.42	12.76
26 09 23 00-0451				Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0441)</small>		
				Note: Includes passive infrared and microphonics detection		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 09 23 00-0452	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	167.76		12.76
26 09 23 00-0453	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL).....	132.20		12.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65		
26 09 23 00-0454	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT).....	129.54		12.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65		
26 09 23 00-0455	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA).....	129.54		12.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65		
26 09 23 00-0456	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P).....	149.98		12.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65		
26 09 23 00-0457	EA	Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	149.98		12.76
26 09 23 00-0458	EA	2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	160.65		12.76
26 09 23 00-0459 Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) (26 09 23 00-0441)					
26 09 23 00-0460	EA	One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX).....	13.49		3.19
26 09 23 00-0461	EA	One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX).....	13.49		3.19
26 09 23 00-0462	EA	Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3).....	24.16		3.19
26 09 23 00-0463	EA	Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	24.16		3.19
26 09 23 00-0464 360 Degree View Occupancy Sensors (Sensor Switch) (26 09 23 00-0440)					
26 09 23 00-0465 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) (26 09 23 00-0464)					
Note: One photocell or dimming option per occupancy sensor					
26 09 23 00-0466	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9).....	164.11		28.71
26 09 23 00-0467	EA	Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9).....	164.11		28.71
26 09 23 00-0468	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9).....	164.11		28.71
26 09 23 00-0469	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9).....	173.00		28.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23		
26 09 23 00-0470	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9).....	173.00		28.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23		
26 09 23 00-0471	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9).....	144.55		28.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23		
26 09 23 00-0472	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P).....	208.56		28.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23		
26 09 23 00-0473	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P).....	208.56		28.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23		
26 09 23 00-0474	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P).....	180.11		28.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23		
26 09 23 00-0475	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10).....	164.11		28.71
26 09 23 00-0476	EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10).....	164.11		28.71
26 09 23 00-0477	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10).....	164.11		28.71
26 09 23 00-0478	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10).....	173.00		28.71
26 09 23 00-0479	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10).....	173.00		28.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23		
26 09 23 00-0480	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10).....	144.55		28.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23		
26 09 23 00-0481	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	208.56		28.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23		
26 09 23 00-0482	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	208.56		28.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23		
26 09 23 00-0483	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P).....	180.11		28.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23		
26 09 23 00-0484 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) (26 09 23 00-0464)					
Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection					
26 09 23 00-0485	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9).....	199.67		28.71
26 09 23 00-0486	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9).....	199.67		28.71
26 09 23 00-0487	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9).....	199.67		28.71
26 09 23 00-0488	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9).....	190.78		28.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 09 23 00-0489	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9).....	190.78	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0490	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9).....	162.33	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0491	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....	226.34	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0492	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....	226.34	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0493	EA		2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....	197.89	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0494	EA		Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10).....	199.67	28.71
	26 09 23 00-0495	EA		Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10).....	199.67	28.71
	26 09 23 00-0496	EA		Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10).....	199.67	28.71
	26 09 23 00-0497	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	190.78	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0498	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	190.78	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0499	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	162.33	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0500	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	226.34	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0501	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	226.34	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0502	EA		2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	197.89	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0503			Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0440)</small>		
	26 09 23 00-0504			Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0503)</small>		
	26 09 23 00-0505	EA		Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16).....	164.11	28.71
	26 09 23 00-0506	EA		Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	181.89	28.71
	26 09 23 00-0507	EA		Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	217.45	28.71
	26 09 23 00-0508	EA		Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	208.56	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0509	EA		2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	244.13	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0510			Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0503)</small>		
				Note: Includes passive infrared and microphonics detection		
	26 09 23 00-0511	EA		Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16).....	199.67	28.71
	26 09 23 00-0512	EA		Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16).....	226.34	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0513	EA		2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	261.91	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0514			High Bay Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0440)</small>		
	26 09 23 00-0515			Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0514)</small>		
	26 09 23 00-0516	EA		Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6).....	164.11	28.71
	26 09 23 00-0517	EA		Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6).....	164.11	28.71
	26 09 23 00-0518	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6).....	164.11	28.71
	26 09 23 00-0519	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6).....	144.55	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0520	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6).....	144.55	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0521	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....	144.55	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
	26 09 23 00-0522	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P).....	180.11	28.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0523	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P) .....180.11	180.11	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0524	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P) .....180.11	180.11	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0525	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208) .....157.00	157.00	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0526	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208) .....157.00	157.00	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0527	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208) .....157.00	157.00	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0528	EA		480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480) .....157.00	157.00	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0529	EA		480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480) .....157.00	157.00	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0530	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480) .....157.00	157.00	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0531	EA		Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50) .....181.89	181.89	28.71
26 09 23 00-0532	EA		Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50) .....181.89	181.89	28.71
26 09 23 00-0533	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50) .....181.89	181.89	28.71
26 09 23 00-0534	EA		Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50) .....215.68	215.68	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0535	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50) .....215.68	215.68	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0536	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50) .....215.68	215.68	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0537	EA		2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P) .....192.56	192.56	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0538	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P) .....192.56	192.56	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0539	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208) .....165.89	165.89	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0540	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208) .....165.89	165.89	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0541	EA		480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480) .....165.89	165.89	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0542	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480) .....165.89	165.89	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0543	EA		Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10) .....181.89	181.89	28.71
26 09 23 00-0544	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10) .....181.89	181.89	28.71
26 09 23 00-0545	EA		Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10) .....215.68	215.68	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0546	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10) .....215.68	215.68	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0547	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P) .....208.56	208.56	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0548	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480) .....190.78	190.78	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0549	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208) .....190.78	190.78	28.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0550			Occupancy Sensor Power Packs (Sensor Switch) (26 09 23 00-0439)		
26 09 23 00-0551	EA		Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20) .....100.83	100.83	25.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 09 23 00-0552	EA		2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P) .....136.39	136.39	25.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 09 23 00-0553	EA		Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20) .....83.05	83.05	25.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0554 EA 2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20).....	77.71	25.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 09 23 00-0555 EA 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20).....	95.49	25.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 09 23 00-0556 EA 120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH).....	139.95	25.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 09 23 00-0557 EA 120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR).....	139.95	25.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 09 23 00-0558 EA 120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM).....	139.95	25.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 09 23 00-0559 Occupancy Sensor Accessories (Sensor Switch) <small>(26 09 23 00-0439)</small>		
26 09 23 00-0560 Remove And Reinstall Occupancy Sensors <small>(26 09 23 00-0559)</small>		
26 09 23 00-0561 EA Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor.....	38.28	
Note: Includes storing and cleaning.		
26 09 23 00-0562 EA Removal And Reinstallation Of Surface Mounted Occupancy Sensor.....	86.13	
Note: Includes storing and cleaning.		
26 09 23 00-0563 Daylighting Control (Sensor Switch) <small>(26 09 23 00-0439)</small>		
26 09 23 00-0564 EA Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC).....	146.33	28.71
26 09 23 00-0565 EA Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC).....	146.33	28.71
26 09 23 00-0566 EA Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC).....	146.33	28.71
26 09 23 00-0567 EA Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC).....	146.33	28.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0568 EA Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC).....	146.33	28.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0569 EA Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC).....	146.33	28.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0570 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	146.33	28.71
26 09 23 00-0571 EA Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	146.33	28.71
26 09 23 00-0572 EA Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	146.33	28.71
26 09 23 00-0573 EA Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	146.33	28.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0574 EA Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	146.33	28.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0575 EA Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	146.33	28.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0576 EA Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	199.67	28.71
26 09 23 00-0577 EA Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	199.67	28.71
26 09 23 00-0578 EA Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	199.67	28.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0579 EA Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	199.67	28.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0580 EA Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	199.67	28.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0581 EA Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	199.67	28.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23	
26 09 23 00-0582 Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0583 Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0582)</small>		
Note: Excludes boxes.		
26 09 23 00-0584 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0583)</small>		
26 09 23 00-0585 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0584)</small>		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0586 EA Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	199.15	12.76
26 09 23 00-0587 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0583)</small>		
26 09 23 00-0588 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0587)</small>		
Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0589 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	248.22	28.71
26 09 23 00-0590 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	248.22	28.71
26 09 23 00-0591 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC).....	248.22	28.71

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0592					Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0587) Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0593	EA				Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	286.39	28.71
26 09 23 00-0594	EA				Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	286.39	28.71
26 09 23 00-0595	EA				2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	295.91	28.71
26 09 23 00-0596					Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0583)		
26 09 23 00-0597					Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0586) Note: Includes passive infrared and microphonics detection		
26 09 23 00-0598	EA				Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16).....	286.39	28.71
26 09 23 00-0599					High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0583)		
26 09 23 00-0600					Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0599)		
26 09 23 00-0601	EA				Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	248.22	28.71
26 09 23 00-0602					Occupancy Sensor Power Packs (Sensor Switch nLight®) (26 09 23 00-0582)		
26 09 23 00-0603	EA				150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	98.74	25.51
26 09 23 00-0604	EA				250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250)	117.84	25.51
26 09 23 00-0605	EA				30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	150.26	25.51
26 09 23 00-0606	EA				System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	150.26	25.51
26 09 23 00-0607					Occupancy Sensor Accessories (Sensor Switch nLight®) (26 09 23 00-0582)		
26 09 23 00-0608	EA				RS232 AV Integrator (Sensor Switch nLight® nIO X).....	295.91	28.71
26 09 23 00-0609	EA				8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT).....	391.34	28.71
26 09 23 00-0610					Daylighting Controls (Sensor Switch nLight®) (26 09 23 00-0582)		
26 09 23 00-0611	EA				Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	210.06	28.71
26 09 23 00-0612					Controls (Sensor Switch nLight®) (26 09 23 00-0582)		
26 09 23 00-0613	EA				On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX)	147.10	28.71
26 09 23 00-0614	EA				1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	200.54	28.71
26 09 23 00-0615	EA				On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	429.49	28.71
26 09 23 00-0616	EA				3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	429.49	28.71
26 09 23 00-0617	EA				3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	1,536.16	28.71
26 09 23 00-0618					Occupancy Sensors (Lutron) (26 09 23) Note: Includes testing of new devices and certification.		
26 09 23 00-0619					Wireless Occupancy Sensors (26 09 23 00-0618)		
26 09 23 00-0620	EA				Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	116.19	28.71
26 09 23 00-0621	EA				Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	120.12	28.71
26 09 23 00-0622	EA				Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH).....	117.13	28.71
26 09 23 00-0623	EA				Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	122.35	28.71
26 09 23 00-0624	EA				Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH).....	118.30	28.71
26 09 23 00-0625	EA				Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	122.35	28.71
26 09 23 00-0626	EA				Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH).....	116.19	28.71
26 09 23 00-0627	EA				Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	118.30	28.71
26 09 23 00-0628	EA				Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	117.13	28.71
26 09 23 00-0629	EA				Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	166.31	28.71
26 09 23 00-0630	EA				Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	175.68	28.71
26 09 23 00-0631	EA				Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	196.75	28.71
26 09 23 00-0632	EA				Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	206.12	28.71
26 09 23 00-0633	EA				Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	210.80	28.71
26 09 23 00-0634	EA				Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	220.17	28.71
26 09 23 00-0635	EA				Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH).....	136.80	28.71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0636	EA		Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	142.89	28.71
26 09 23 00-0637	EA		Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	162.79	28.71
26 09 23 00-0638	EA		Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	178.02	28.71
26 09 23 00-0639	EA		Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	189.73	28.71
26 09 23 00-0640	EA		Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	167.48	28.71
26 09 23 00-0641	EA		Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH)	156.08	28.71
26 09 23 00-0642	EA		Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH)	134.92	28.71
26 09 23 00-0643	EA		Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH)	159.87	28.71
26 09 23 00-0644	EA		Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C)	188.42	28.71
26 09 23 00-0645	EA		Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H)	198.34	28.71
26 09 23 00-0646	EA		Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	198.34	28.71
26 09 23 00-0647	EA		Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	198.34	28.71
26 09 23 00-0648	EA		Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V)	207.43	28.71
26 09 23 00-0649	EA		Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W)	331.72	41.46
26 09 23 00-0650			Nodes And Modules <small>(26 09 23 00-0618)</small>		
26 09 23 00-0651	EA		0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	172.16	28.71
26 09 23 00-0652	EA		0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	172.16	28.71
26 09 23 00-0653	EA		4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	210.80	28.71
26 09 23 00-0654	EA		4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	210.80	28.71
26 09 23 00-0655	EA		120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	265.19	31.90
26 09 23 00-0656	EA		120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	265.19	31.90
26 09 23 00-0657	EA		120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	315.54	31.90
26 09 23 00-0658	EA		120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	322.57	31.90
26 09 23 00-0659	EA		120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	391.66	31.90
26 09 23 00-0660	EA		120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	413.91	31.90
26 09 23 00-0661	EA		120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	436.15	31.90
26 09 23 00-0662	EA		1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	1,147.16	51.04
26 09 23 00-0663	EA		2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	1,133.57	57.42
26 09 23 00-0664	EA		3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	1,643.98	63.80
26 09 23 00-0665			Other Accessories <small>(26 09 23 00-0618)</small>		
26 09 23 00-0666	EA		Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	37.85	
26 09 23 00-0667	EA		Pico® Wireless Control (Lutron® PJ)	32.30	
26 09 23 00-0668	EA		4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	87.06	
26 09 23 00-0669	EA		8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	167.85	
26 09 23 00-0670	EA		4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	204.05	28.71
26 09 23 00-0671	EA		seeTouch® QS Wallstation (Lutron® QSW52)	251.51	28.71
26 09 23 00-0672	EA		seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSW52)	251.51	28.71
26 09 23 00-0673	EA		120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	398.68	31.90
26 09 23 00-0674	EA		120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	535.69	31.90
26 09 23 00-0675	EA		Control Interface (Lutron® QSE-CI-NWK-E)	635.86	28.71
26 09 23 00-0676	EA		1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	631.19	28.71
26 09 23 00-0677	EA		2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	836.11	28.71
26 09 23 00-0678	MLF		5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	2,135.67	892.19
26 09 23 00-0679	MLF		5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	2,604.05	892.19
26 09 23 00-0680			Fixture Mounted Occupancy Sensors (Leviton) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.					
26 09 23 00-0681	EA		120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	112.44	28.71
26 09 23 00-0682	EA		480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W)	101.67	28.71
26 09 23 00-0683	EA		120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	121.34	28.71
26 09 23 00-0684	EA		480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	101.67	28.71
26 09 23 00-0685	EA		120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT)	137.24	12.75
26 09 23 00-0686			Wireless Enabled Communication Devices For Streetlights <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.					
26 09 23 00-0687			Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0686)</small>		
26 09 23 00-0688			Wireless Enabled Communication Nodes For Streetlights (Roam®) <small>(26 09 23 00-0687)</small>		
Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.					
26 09 23 00-0689	EA		120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	205.57	
26 09 23 00-0690	EA		480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	281.89	
26 09 23 00-0691			Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0687)</small>		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

26 09 23 00-0692	EA	Retrofit Receptacle Kit (Roam® DUR103)	47.21	
		Note: For adapting light fixtures for use with a NEMA locking type photocontrol.		
26 09 23 00-0693	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	7,767.53	67.67

26 09 23 00-0694 Emergency Lighting Controls (26 09 23)**26 09 23 00-0695 Emergency Lighting Control Units (Watt Stopper ELCU)** (26 09 23 00-0694)

Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.

26 09 23 00-0696	EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	175.84	31.90
26 09 23 00-0697	EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	175.84	31.90

26 09 23 00-0698 Emergency Shunt Relays (Lighting Control & Design GR 2001™) (26 09 23 00-0694)

Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.

26 09 23 00-0699	EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	261.70	44.65
26 09 23 00-0700	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	348.25	51.04
26 09 23 00-0701	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual)	459.58	57.42
		Note: Controls normal and emergency lighting from single-pole wall switch.		

26 09 23 00-0702 Photocells (26 09 23)

26 09 23 00-0703	EA	Plug-In Photocell For Lighting Fixtures	83.07	
26 09 23 00-0704	EA	Wired Photocell For Lighting Fixtures	216.17	

26 10 Medium-Voltage Electrical Distribution (26)**26 11 Substations** (26 10)**26 11 13 Primary Unit Substations** (26 11)**26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section** (26 11 13)**26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard"** (26 11 13 00-0001)

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment

26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	46,027.30	2,196.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,340.63	
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	56,495.18	2,778.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,675.79	
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	63,767.91	2,778.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,675.79	
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	73,179.77	2,778.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,787.51	
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	83,059.28	3,424.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,062.51	

26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers (26 11 13 00-0001)

26 11 13 00-0009	EA	Reclosure Relay, Adjustable, 3 Shot, #179	1,369.86	233.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	137.99	
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N	485.25	168.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.03	
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67	702.46	168.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.68	
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	556.99	168.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.03	
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87	2,084.15	570.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	344.75	

26 11 13 00-0014 "Switchyard", Substation Transformer Section (26 11 13)

Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range

26 11 13 00-0015 14.4 KV Nominal Primary (26 11 13 00-0014)

26 11 13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	27,106.10	2,196.70
		For 50 Hz Operation, Add	2,716.48	
		For Forced Air Cooling, Add	2,716.48	
		For External Control Panel, Add	679.12	
		For Internally Mounted Current Transformers And Linear Couplers, Add	226.37	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,131.87	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	2,829.67	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,395.60	
26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	31,142.56	2,752.34
		For 50 Hz Operation, Add	3,066.79	
		For Forced Air Cooling, Add	3,066.79	
		For External Control Panel, Add	766.70	
		For Internally Mounted Current Transformers And Linear Couplers, Add	255.57	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,277.83	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,194.57	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,833.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0018	EA		5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	47,711.79	3,876.54
			For 50 Hz Operation, Add	4,772.07	
			For Forced Air Cooling, Add	4,772.07	
			For External Control Panel, Add	1,193.02	
			For Internally Mounted Current Transformers And Linear Couplers, Add	397.67	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,988.36	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,970.91	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,965.09	
26 11 13 00-0019	EA		7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	68,510.54	4,576.30
			For 50 Hz Operation, Add	7,036.81	
			For Forced Air Cooling, Add	7,036.81	
			For External Control Panel, Add	1,759.20	
			For Internally Mounted Current Transformers And Linear Couplers, Add	586.40	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,932.00	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,330.01	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,796.01	
26 11 13 00-0020	EA		10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	84,458.69	5,922.28
			For 50 Hz Operation, Add	8,654.48	
			For Forced Air Cooling, Add	8,654.48	
			For External Control Panel, Add	2,163.62	
			For Internally Mounted Current Transformers And Linear Couplers, Add	721.21	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,606.03	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,015.08	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,818.09	
26 11 13 00-0021			23 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
26 11 13 00-0022	EA		1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	30,487.60	2,972.01
			For 50 Hz Operation, Add	2,988.19	
			For External Control Panel, Add	747.05	
			For Internally Mounted Current Transformers And Linear Couplers, Add	249.02	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,245.08	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,112.70	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,735.24	
			For Forced Air Cooling, Add	1,992.13	
26 11 13 00-0023	EA		2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	34,923.47	2,972.01
			For 50 Hz Operation, Add	3,381.38	
			For External Control Panel, Add	845.34	
			For Internally Mounted Current Transformers And Linear Couplers, Add	281.78	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,408.91	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,522.27	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,226.72	
			For Forced Air Cooling, Add	2,254.25	
26 11 13 00-0024	EA		5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	55,445.10	4,393.41
			For 50 Hz Operation, Add	5,580.90	
			For External Control Panel, Add	1,395.23	
			For Internally Mounted Current Transformers And Linear Couplers, Add	465.08	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,325.38	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,813.44	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,976.13	
			For Forced Air Cooling, Add	3,720.60	
26 11 13 00-0025	EA		7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	74,348.31	5,922.28
			For 50 Hz Operation, Add	7,441.23	
			For External Control Panel, Add	1,860.31	
			For Internally Mounted Current Transformers And Linear Couplers, Add	620.10	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,100.51	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,751.28	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,301.54	
			For Forced Air Cooling, Add	4,960.82	
26 11 13 00-0026	EA		10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	91,198.96	5,922.28
			For 50 Hz Operation, Add	9,463.31	
			For External Control Panel, Add	2,365.83	
			For Internally Mounted Current Transformers And Linear Couplers, Add	788.61	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,943.05	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,857.61	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,829.14	
			For Forced Air Cooling, Add	6,308.87	
26 11 13 00-0027			34.5 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
26 11 13 00-0028	EA		1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	38,199.98	3,553.49
			For 50 Hz Operation, Add	3,774.56	
			For External Control Panel, Add	943.64	
			For Internally Mounted Current Transformers And Linear Couplers, Add	314.55	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,572.73	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,931.83	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,718.20	
			For Forced Air Cooling, Add	2,516.37	
26 11 13 00-0029	EA		2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	46,132.74	5,556.36
			For 50 Hz Operation, Add	4,560.92	
			For External Control Panel, Add	1,140.23	
			For Internally Mounted Current Transformers And Linear Couplers, Add	380.08	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,900.38	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,750.96	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,701.15	
			For Forced Air Cooling, Add	3,040.61	

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0030	EA		5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	63,746.08	5,556.36
			For 50 Hz Operation, Add	6,308.90	
			For External Control Panel, Add	1,577.22	
			For Internally Mounted Current Transformers And Linear Couplers, Add	525.74	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,628.71	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,571.77	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,886.12	
			For Forced Air Cooling, Add	4,205.93	
26 11 13 00-0031	EA		7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	81,088.53	5,787.68
			For 50 Hz Operation, Add	8,250.06	
			For External Control Panel, Add	2,062.51	
			For Internally Mounted Current Transformers And Linear Couplers, Add	687.50	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,437.52	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,593.81	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,312.57	
			For Forced Air Cooling, Add	5,500.04	
26 11 13 00-0032	EA		10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	138,465.29	7,402.84
			For 50 Hz Operation, Add	14,720.71	
			For External Control Panel, Add	3,680.18	
			For Internally Mounted Current Transformers And Linear Couplers, Add	1,226.73	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,133.63	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	15,334.07	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	18,400.88	
			For Forced Air Cooling, Add	9,813.80	
26 11 13 00-0033			46 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0034	EA		1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	57,884.39	4,134.97
			For 50 Hz Operation, Add	5,971.12	
			For External Control Panel, Add	1,492.78	
			For Internally Mounted Current Transformers And Linear Couplers, Add	497.59	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,487.97	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,219.92	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,463.90	
			For Forced Air Cooling, Add	3,980.75	
26 11 13 00-0035	EA		2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	65,350.48	4,134.97
			For 50 Hz Operation, Add	6,769.55	
			For External Control Panel, Add	1,692.39	
			For Internally Mounted Current Transformers And Linear Couplers, Add	564.13	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,820.65	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,051.62	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,461.94	
			For Forced Air Cooling, Add	4,513.03	
26 11 13 00-0036	EA		5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	90,147.67	5,556.36
			For 50 Hz Operation, Add	9,477.09	
			For External Control Panel, Add	2,369.27	
			For Internally Mounted Current Transformers And Linear Couplers, Add	789.76	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,948.79	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,871.97	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,846.36	
			For Forced Air Cooling, Add	6,318.06	
26 11 13 00-0037	EA		7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	110,691.31	7,402.84
			For 50 Hz Operation, Add	11,387.83	
			For External Control Panel, Add	2,846.96	
			For Internally Mounted Current Transformers And Linear Couplers, Add	948.99	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,744.93	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,862.32	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,234.79	
			For Forced Air Cooling, Add	7,591.89	
26 11 13 00-0038	EA		10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	155,357.68	7,402.84
			For 50 Hz Operation, Add	16,747.79	
			For External Control Panel, Add	4,186.95	
			For Internally Mounted Current Transformers And Linear Couplers, Add	1,395.65	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,978.25	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	17,445.62	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	20,934.74	
			For Forced Air Cooling, Add	11,165.20	
26 11 13 00-0039			69 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0040	EA		1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	82,459.71	4,393.41
			For 50 Hz Operation, Add	8,822.66	
			For External Control Panel, Add	2,205.66	
			For Internally Mounted Current Transformers And Linear Couplers, Add	735.22	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,676.11	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,190.27	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,028.32	
			For Forced Air Cooling, Add	5,881.77	
26 11 13 00-0041	EA		2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	94,992.04	5,556.36
			For 50 Hz Operation, Add	10,058.41	
			For External Control Panel, Add	2,514.60	
			For Internally Mounted Current Transformers And Linear Couplers, Add	838.20	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,191.00	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,477.51	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,573.01	
			For Forced Air Cooling, Add	6,705.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0042	EA		5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	129,236.85 14,167.79 3,541.95 1,180.65 5,903.25 14,758.11 17,709.74 9,445.19	5,556.36
26 11 13 00-0043	EA		7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	137,975.18 14,661.89 3,665.47 1,221.82 6,109.12 15,272.81 18,327.37 9,774.60	7,402.84
26 11 13 00-0044	EA		10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	179,221.49 19,611.45 4,902.86 1,634.29 8,171.44 20,428.60 24,514.31 13,074.30	7,402.84
26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV (26 11 13)					
26 11 13 00-0046	EA		1,200 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	48,350.75	1,012.99
26 11 13 00-0047	EA		1,200 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	53,027.41	1,012.99
26 11 13 00-0048	EA		1,200 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	60,435.44	1,258.30
26 11 13 00-0049	EA		2,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	56,712.76	1,513.05
26 11 13 00-0050	EA		2,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	63,777.85	1,513.05
26 11 13 00-0051	EA		2,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	72,779.83	1,757.83
26 11 13 00-0052	EA		3,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	75,144.95	2,008.32
26 11 13 00-0053	EA		3,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	83,941.39	2,008.32
26 11 13 00-0054	EA		3,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	88,071.42	2,255.36
26 11 16 Secondary Unit Substations (26 11)					
26 11 16 00-0001 Substation Primary Incoming Section (26 11 16)					
26 11 16 00-0002 Manual Transferring Fused Load Break Switches (26 11 16 00-0001) Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.					
26 11 16 00-0003	EA		112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position.....	41,401.69	1,487.54
26 11 16 00-0004	EA		2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position	47,828.23	1,487.54
26 11 16 00-0005 Automatic Transferring Fused Load Break Switches (26 11 16 00-0001) Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.					
26 11 16 00-0006	EA		112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch.....	58,615.43	1,487.54
26 11 16 00-0007	EA		2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch.....	62,797.86	1,487.54
26 11 16 00-0008 Accessories For Substation Fused Load Break Switches (26 11 16 00-0001)					
26 11 16 00-0009	EA		Primary Lightning Arrestors Accessories, Secondary Distribution Section	5,396.39	
26 11 16 00-0010	EA		Key Interlock Accessories, Secondary Distribution Section.....	525.27	
26 11 16 00-0011 Oil Filled Substation Transformers (26 11 16) Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.					
26 11 16 00-0012 Substation, Primary 13.8 KV Secondary 480Y/277 V Or 480 V 60 HZ (26 11 16 00-0011)					
26 11 16 00-0013	EA		75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	10,860.26 624.54 267.66 89.22	969.14
26 11 16 00-0014	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	15,652.11 932.83 399.79 133.26	1,162.96
26 11 16 00-0015	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	17,688.02 1,057.26 453.11 151.04	1,292.18
26 11 16 00-0016	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	21,028.44 1,245.86 533.94 177.98	1,615.22
26 11 16 00-0017	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	23,675.38 1,376.87 590.09 196.70	2,002.88

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0018	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	25,673.98 1,453.46 622.91 207.64	2,455.13
26 11 16 00-0019	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	30,161.44 1,695.22 726.52 242.17	1,292.18
26 11 16 00-0020	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	32,209.65 1,802.41 772.46 257.49	3,230.45
26 11 16 00-0021	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	35,928.34 2,017.50 864.64 288.21	3,553.49
26 11 16 00-0022	EA		2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	41,360.46 2,343.47 1,004.35 334.78	3,941.14
26 11 16 00-0023	EA		2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	45,381.65 2,575.21 1,103.66 367.89	4,296.49
26 11 16 00-0024			Substation, Primary 13.8 KV Secondary 208Y/120 V 60 HZ <small>(26 11 16 00-0011)</small>		
26 11 16 00-0025	EA		75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	10,415.15 593.38 254.31 84.77	969.14
26 11 16 00-0026	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	15,120.12 922.73 395.46 131.82	969.14
26 11 16 00-0027	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	17,678.17 1,056.57 452.81 150.94	1,292.18
26 11 16 00-0028	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	21,045.38 1,247.05 534.45 178.15	1,615.22
26 11 16 00-0029	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	25,404.96 1,497.94 641.98 213.99	2,002.88
26 11 16 00-0030	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	27,827.62 1,604.21 687.52 229.17	2,455.13
26 11 16 00-0031	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	31,155.90 1,764.83 756.36 252.12	2,972.01
26 11 16 00-0032	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	33,922.72 1,922.33 823.85 274.62	3,230.45
26 11 16 00-0033	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	38,143.59 2,172.56 931.10 310.37	3,553.49
26 11 16 00-0034			Accessories For Oil Filled Substation Transformers <small>(26 11 16 00-0011)</small>		
26 11 16 00-0035	EA		Sudden Pressure Relay	2,704.22	
26 11 16 00-0036	EA		Throats Or Flanges (HV Or LV)	5,368.80	
26 11 16 00-0037	EA		Lightning Arrestors (3 - 1 Pole)	3,535.15	
26 11 16 00-0038	EA		Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	19,618.30	
26 11 16 00-0039	EA		Oil Fuse Cutout, 15 KV, 200 Amp, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	18,354.87	
26 11 16 00-0040			Reinforced Concrete Curb With 6" Slab <small>(26 11 16 00-0011)</small>		
			Note: For transformer liquid containment area.		
26 11 16 00-0041	EA		112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,323.48	1,471.97
26 11 16 00-0042	EA		150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,323.48	1,471.97
26 11 16 00-0043	EA		225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,323.48	1,471.97
26 11 16 00-0044	EA		300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,323.48	1,471.97
26 11 16 00-0045	EA		500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,323.48	1,471.97
26 11 16 00-0046	EA		750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,323.48	1,471.97
26 11 16 00-0047	EA		1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,323.48	1,471.97
26 11 16 00-0048	EA		1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,955.19	1,697.21
26 11 16 00-0049			Dry Type Substation Transformer <small>(26 11 16)</small>		
			Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		

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

26 11 16 00-0050		Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 V <small>(26 11 16 00-0049)</small>		
		Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 00-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	18,172.41	1,033.74
		For Gas Filled Transformers, Add	9,662.96	
		For Single Phase Transformers, Deduct	-402.62	
		For Dry Type Unit, Add	3,749.83	
26 11 16 00-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	18,301.63	1,098.35
		For Gas Filled Transformers, Add	9,662.96	
		For Single Phase Transformers, Deduct	-402.62	
		For Dry Type Unit, Add	3,762.75	
26 11 16 00-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	18,899.06	1,292.18
		For Gas Filled Transformers, Add	9,788.83	
		For Single Phase Transformers, Deduct	-407.87	
		For Dry Type Unit, Add	3,847.67	
26 11 16 00-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	20,853.88	1,421.39
		For Gas Filled Transformers, Add	10,806.65	
		For Single Phase Transformers, Deduct	-450.28	
		For Dry Type Unit, Add	4,246.72	
26 11 16 00-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	23,267.02	1,679.83
		For Gas Filled Transformers, Add	11,944.41	
		For Single Phase Transformers, Deduct	-497.68	
		For Dry Type Unit, Add	4,715.58	
26 11 16 00-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	26,947.06	1,938.26
		For Gas Filled Transformers, Add	13,842.31	
		For Single Phase Transformers, Deduct	-576.76	
		For Dry Type Unit, Add	5,463.17	
26 11 16 00-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	31,376.11	2,325.92
		For Gas Filled Transformers, Add	16,034.56	
		For Single Phase Transformers, Deduct	-668.11	
		For Dry Type Unit, Add	6,344.52	
26 11 16 00-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	36,891.29	2,584.35
		For Gas Filled Transformers, Add	19,033.55	
		For Single Phase Transformers, Deduct	-793.06	
		For Dry Type Unit, Add	7,495.84	
26 11 16 00-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	47,052.20	2,713.57
		For Gas Filled Transformers, Add	24,975.03	
		For Single Phase Transformers, Deduct	-1,040.63	
		For Dry Type Unit, Add	9,700.23	
26 11 16 00-0060		Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 V <small>(26 11 16 00-0049)</small>		
		Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 00-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,600.89	1,033.74
		For Gas Filled Transformers, Add	9,320.05	
		For Single Phase Transformers, Deduct	-388.34	
		For Dry Type Unit, Add	3,624.10	
26 11 16 00-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	18,301.63	1,098.35
		For Gas Filled Transformers, Add	9,662.96	
		For Single Phase Transformers, Deduct	-402.62	
		For Dry Type Unit, Add	3,762.75	
26 11 16 00-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	18,899.06	1,292.18
		For Gas Filled Transformers, Add	9,788.83	
		For Single Phase Transformers, Deduct	-407.87	
		For Dry Type Unit, Add	3,847.67	
26 11 16 00-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	20,853.88	1,421.39
		For Gas Filled Transformers, Add	10,806.65	
		For Single Phase Transformers, Deduct	-450.28	
		For Dry Type Unit, Add	4,246.72	
26 11 16 00-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	23,267.02	1,679.83
		For Gas Filled Transformers, Add	11,944.41	
		For Single Phase Transformers, Deduct	-497.68	
		For Dry Type Unit, Add	4,715.58	
26 11 16 00-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	26,947.06	1,938.26
		For Gas Filled Transformers, Add	13,842.31	
		For Single Phase Transformers, Deduct	-576.76	
		For Dry Type Unit, Add	5,463.17	
26 11 16 00-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	31,376.11	2,325.92
		For Gas Filled Transformers, Add	16,034.56	
		For Single Phase Transformers, Deduct	-668.11	
		For Dry Type Unit, Add	6,344.52	
26 11 16 00-0068	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	36,891.29	2,584.35
		For Gas Filled Transformers, Add	19,033.55	
		For Single Phase Transformers, Deduct	-793.06	
		For Dry Type Unit, Add	7,495.84	
26 11 16 00-0069	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	47,052.20	2,713.57
		For Gas Filled Transformers, Add	24,975.03	
		For Single Phase Transformers, Deduct	-1,040.63	
		For Dry Type Unit, Add	9,700.23	
26 11 16 00-0070	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	51,483.05	2,842.79
		For Gas Filled Transformers, Add	27,478.48	
		For Single Phase Transformers, Deduct	-1,144.94	
		For Dry Type Unit, Add	10,644.00	
26 11 16 00-0071	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	57,220.47	2,972.01
		For Gas Filled Transformers, Add	30,765.87	
		For Single Phase Transformers, Deduct	-1,281.91	
		For Dry Type Unit, Add	11,875.22	
26 11 16 00-0072	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	65,566.05	3,101.23
		For Gas Filled Transformers, Add	35,618.16	
		For Single Phase Transformers, Deduct	-1,484.09	
		For Dry Type Unit, Add	13,680.24	

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 V Or 240 V <small>(26 11 16 00-0049)</small>		
26 11 16 00-0074 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	19,613.53	1,162.96
For Gas Filled Transformers, Add	10,372.57	
For Single Phase Transformers, Deduct	-432.19	
For Dry Type Unit, Add	4,035.87	
26 11 16 00-0075 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	20,310.95	1,227.57
For Gas Filled Transformers, Add	10,713.49	
For Single Phase Transformers, Deduct	-446.40	
For Dry Type Unit, Add	4,173.79	
26 11 16 00-0076 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	21,863.13	1,421.39
For Gas Filled Transformers, Add	11,412.20	
For Single Phase Transformers, Deduct	-475.51	
For Dry Type Unit, Add	4,468.75	
26 11 16 00-0077 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	23,145.67	1,550.61
For Gas Filled Transformers, Add	12,026.66	
For Single Phase Transformers, Deduct	-501.11	
For Dry Type Unit, Add	4,719.90	
26 11 16 00-0078 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	26,444.15	1,809.05
For Gas Filled Transformers, Add	13,695.63	
For Single Phase Transformers, Deduct	-570.65	
For Dry Type Unit, Add	5,383.54	
26 11 16 00-0079 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	29,384.20	2,067.48
For Gas Filled Transformers, Add	15,149.54	
For Single Phase Transformers, Deduct	-631.23	
For Dry Type Unit, Add	5,968.33	
26 11 16 00-0080 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	34,363.31	2,455.13
For Gas Filled Transformers, Add	17,671.82	
For Single Phase Transformers, Deduct	-736.33	
For Dry Type Unit, Add	6,970.69	
26 11 16 00-0081 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	41,313.89	2,713.57
For Gas Filled Transformers, Add	21,532.04	
For Single Phase Transformers, Deduct	-897.17	
For Dry Type Unit, Add	8,437.80	
26 11 16 00-0082 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	49,388.58	2,842.79
For Gas Filled Transformers, Add	26,221.80	
For Single Phase Transformers, Deduct	-1,092.58	
For Dry Type Unit, Add	10,183.22	
26 11 16 00-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 V Or 480 V <small>(26 11 16 00-0049)</small>		
26 11 16 00-0084 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	19,613.53	1,162.96
For Gas Filled Transformers, Add	10,372.57	
For Single Phase Transformers, Deduct	-432.19	
For Dry Type Unit, Add	4,035.87	
26 11 16 00-0085 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	20,310.95	1,227.57
For Gas Filled Transformers, Add	10,713.49	
For Single Phase Transformers, Deduct	-446.40	
For Dry Type Unit, Add	4,173.79	
26 11 16 00-0086 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	21,863.13	1,421.39
For Gas Filled Transformers, Add	11,412.20	
For Single Phase Transformers, Deduct	-475.51	
For Dry Type Unit, Add	4,468.75	
26 11 16 00-0087 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	23,145.67	1,550.61
For Gas Filled Transformers, Add	12,026.66	
For Single Phase Transformers, Deduct	-501.11	
For Dry Type Unit, Add	4,719.90	
26 11 16 00-0088 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	26,444.15	1,809.05
For Gas Filled Transformers, Add	13,695.63	
For Single Phase Transformers, Deduct	-570.65	
For Dry Type Unit, Add	5,383.54	
26 11 16 00-0089 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	26,080.62	2,067.48
For Gas Filled Transformers, Add	13,167.39	
For Single Phase Transformers, Deduct	-548.64	
For Dry Type Unit, Add	5,241.54	
26 11 16 00-0090 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	27,576.48	2,455.13
For Gas Filled Transformers, Add	13,599.72	
For Single Phase Transformers, Deduct	-566.66	
For Dry Type Unit, Add	5,477.59	
26 11 16 00-0091 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	33,538.13	2,713.57
For Gas Filled Transformers, Add	16,866.59	
For Single Phase Transformers, Deduct	-702.77	
For Dry Type Unit, Add	6,727.13	
26 11 16 00-0092 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	39,310.17	2,842.79
For Gas Filled Transformers, Add	20,174.75	
For Single Phase Transformers, Deduct	-840.61	
For Dry Type Unit, Add	7,965.97	
26 11 16 00-0093 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	43,690.43	2,972.01
For Gas Filled Transformers, Add	22,647.85	
For Single Phase Transformers, Deduct	-943.66	
For Dry Type Unit, Add	8,898.61	
26 11 16 00-0094 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	50,816.01	3,101.23
For Gas Filled Transformers, Add	26,768.14	
For Single Phase Transformers, Deduct	-1,115.34	
For Dry Type Unit, Add	10,435.23	
26 11 16 00-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	61,612.25	3,230.45
For Gas Filled Transformers, Add	33,090.82	
For Single Phase Transformers, Deduct	-1,378.78	
For Dry Type Unit, Add	12,779.39	

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

26 11 16 00-0096	Substation Secondary Distribution Section <small>(26 11 16)</small> Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 11 16 00-0097	Switchgear Compartment Complete With Air Circuit Breaker <small>(26 11 16 00-0096)</small> Note: With solid state long - time and instantaneous trips.		
26 11 16 00-0098	EA 800 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	12,340.17	1,108.28
26 11 16 00-0099	EA 1,600 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	19,733.95	1,675.62
26 11 16 00-0100	EA 2,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	26,738.59	2,058.24
26 11 16 00-0101	EA 3,200 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	43,824.89	2,388.09
26 11 16 00-0102	EA 4,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	56,161.83	2,717.94
26 11 16 00-0103	Switchgear Compartment Without Circuit Breaker <small>(26 11 16 00-0096)</small>		
26 11 16 00-0104	EA 800 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	5,473.21	336.44
26 11 16 00-0105	EA 1,600 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,324.01	336.44
26 11 16 00-0106	EA 2,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,271.76	494.77
26 11 16 00-0107	EA 3,200 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	11,725.78	494.77
26 11 16 00-0108	EA 4,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	19,481.45	725.66
26 11 16 00-0109	Switchgear Compartment, Blank, Use As Filler Or Metering <small>(26 11 16 00-0096)</small> Note: No provisions for future breaker.		
26 11 16 00-0110	EA 600 Thru 2,000 Amp, Blank Section Filler, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,588.18 215.01	376.02
26 11 16 00-0111	EA 3,000 Amp, Blank Section Filler, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,210.01 252.41	376.02
26 11 16 00-0112	EA 4,000 Amp, Blank Section Filler, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,247.07 362.83	580.53
26 11 16 00-0113	Accessories For Substation Secondary Distribution <small>(26 11 16 00-0096)</small>		
26 11 16 00-0114	EA Short Time Delay Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,326.54 69.91	
26 11 16 00-0115	EA Key Interlock Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,063.90 69.91	
26 11 16 00-0116	EA Ammeter And Switch Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,060.95 69.91	116.52
26 11 16 00-0117	EA Voltmeter And Switch Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,060.95 69.91	116.52
26 11 16 00-0118	EA Wattmeter - Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,002.48 69.91	116.52
26 11 16 00-0119	EA Watt-hour Meter - Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,142.24 69.91	116.52
26 11 16 00-0120	EA Circuit Breaker Lifting Device Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,328.66 79.66	132.81
26 11 16 00-0121	EA Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,011.50 1,180.15	1,966.90
26 11 16 00-0122	EA Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800.....	1,465.29	116.52
26 11 16 00-0123	EA Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	1,696.00	116.52
26 11 16 00-0124	EA Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	901.13 34.96	58.26
26 11 16 00-0125	EA 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,422.39 69.91	116.52
26 11 16 00-0126	EA 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section.....	861.49	58.26

26 12 Medium-Voltage Transformers (26 10)

26 12 13 Liquid-Filled, Medium-Voltage Transformers (26 12)

26 12 13 00-0001	Removal And Relocation Of Transformers <small>(26 12 13)</small>		
26 12 13 00-0002	EA Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer.....	1,252.99	
26 12 13 00-0003	EA Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers.....	2,305.84	

26 12 16 Dry-Type, Medium-Voltage Transformers (26 12)

26 12 16 00-0001	Removal and Relocation of Transformers <small>(26 12 16)</small>		
26 12 16 00-0002	EA Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer.....	536.26	
26 12 16 00-0003	EA Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer.....	2,383.35	

26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers (26 12)

26 12 19 00-0001	Single Phase Pad Mounted Distribution Transformers <small>(26 12 19)</small> Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002	Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled <small>(26 12 19 00-0001)</small> Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003	Primary, 4.16/4.8 KV Ground Y Or Delta <small>(26 12 19 00-0002)</small> Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004	EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,196.31	646.09

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 12 Medium-Voltage Transformers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0005	EA		37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,599.01	775.31
26 12 19 00-0006	EA		50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,257.22	904.52
26 12 19 00-0007	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,015.82	969.14
26 12 19 00-0008	EA		100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,582.80	1,033.74
26 12 19 00-0009	EA		167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	7,312.57	1,356.79
26 12 19 00-0010			Factory Modifications Material Cost Only <small>(26 12 19 00-0002)</small>		
26 12 19 00-0011	EA		Loadbreaker Current Limiting Fuse Factory Modifications	455.94	
26 12 19 00-0012	EA		Loadbreaker Oil Switch, 2 Position Factory Modifications	479.06	
26 12 19 00-0013	EA		Loadbreaker Inserts, Factory Modifications	526.97	
26 12 19 00-0014			Distribution - Single Phase Multiple Building Transformer <small>(26 12 19 00-0001)</small>		
			Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015			Primary, 4.16/4.8 KVA Ground Y Or Delta <small>(26 12 19 00-0014)</small>		
			Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA		25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,646.58	646.09
26 12 19 00-0017	EA		37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,212.98	646.09
26 12 19 00-0018	EA		50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,637.88	885.14
26 12 19 00-0019	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,608.49	885.14
26 12 19 00-0020	EA		100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,265.09	1,162.96
26 12 19 00-0021	EA		167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	7,604.72	1,162.96
26 12 19 00-0022	EA		250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	11,490.57	1,615.22
26 12 19 00-0023			Factory Modifications Material Cost Only <small>(26 12 19 00-0014)</small>		
26 12 19 00-0024	EA		Loadbreaker Current Limiting Fuse Factory Modifications	607.91	
26 12 19 00-0025	EA		Lightning Arrestors, Factory Modifications	154.03	
26 12 19 00-0026	EA		Loadbreaker Oil Switch, 2 Position Factory Modifications	479.06	
26 12 19 00-0027	EA		Loop Feed Air Switch, Factory Modifications	779.71	
26 12 19 00-0028	EA		Loadbreaker Inserts (Two), Factory Modifications	208.14	
26 12 19 00-0029	EA		Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	180.06	
26 12 19 00-0030			Primary, 12.47 KV Ground Y Or Delta <small>(26 12 19 00-0014)</small>		
			Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA		25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,870.63	646.09
26 12 19 00-0032	EA		37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,286.92	646.09
26 12 19 00-0033	EA		50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,608.58	885.14
26 12 19 00-0034	EA		75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,428.20	885.14
26 12 19 00-0035	EA		100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,637.58	1,162.96
26 12 19 00-0036	EA		167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	8,259.99	1,163.09
26 12 19 00-0037	EA		250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	10,443.54	1,615.22
26 12 19 00-0038			Oil Filled Distribution Transformer Single Phase Cluster Mounted <small>(26 12 19 00-0001)</small>		
			Note: Conventional type.		
26 12 19 00-0039			13.8/14.4 KV Ground Y Or Delta Primary 120/240V <small>(26 12 19 00-0038)</small>		
			Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA		10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,629.96	425.01
26 12 19 00-0041	EA		37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,365.41	597.68
26 12 19 00-0042	EA		50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,061.31	956.28
26 12 19 00-0043	EA		100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,458.40	956.28
26 12 19 00-0044	EA		167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,475.18	1,567.23
26 12 19 00-0045	EA		250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,897.75	1,567.23
26 12 19 00-0046			Oil Filled Distribution Transformer Single Phase <small>(26 12 19 00-0001)</small>		
26 12 19 00-0047			7.2 KV Primary, 120/240 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0048	EA		10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,570.31	451.58
26 12 19 00-0049	EA		15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,815.99	451.58
26 12 19 00-0050	EA		25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,276.43	637.51

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

26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,303.92	637.51
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,967.48	863.31
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,306.05	1,328.17
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,355.87	1,328.17
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,713.59	1,660.21
26 12 19 00-0056		7.2 KV Primary, 240/480 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,570.31	451.58
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,816.05	451.58
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,276.43	637.51
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,303.92	637.51
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,967.48	863.31
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,416.75	1,168.78
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,306.05	1,168.78
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,355.87	1,474.26
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,713.59	1,660.21
26 12 19 00-0066		2.4 KV Primary, 277 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,757.51	451.58
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,020.00	451.58
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,518.31	637.51
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,612.91	637.51
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,320.73	863.31
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,790.97	1,168.78
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,960.23	1,168.78
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	12,274.07	1,474.26
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	15,958.32	1,660.21
26 12 19 00-0076		2.4 KV Primary, 120/240 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,570.31	451.58
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,815.99	451.58
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,276.43	867.43
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,303.92	1,168.78
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,967.48	863.31
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,232.58	1,168.78
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,304.82	1,168.78
26 12 19 00-0084		2.4 KV Primary, 240/480 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,570.31	451.58
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,815.99	451.58
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,276.43	637.51
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,303.92	637.51
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,967.48	863.31
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,232.58	1,168.78
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,304.82	1,168.78
26 12 19 00-0092		2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,279.16	464.86
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,487.04	517.99
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,959.20	571.12
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,855.75	796.90
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,347.24	929.72
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,753.71	1,089.09
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,833.38	1,248.48
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,216.95	1,593.80
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,563.65	1,793.03

26 13 Medium-Voltage Switchgear (26 10)

26 13 16 Medium-Voltage Fusible Interrupter Switchgear (26 13)

26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section (26 13 16)
 Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.

26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections (26 13 16 00-0001)

26 13 16 00-0003	EA	1,200 Amp, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	11,155.60	1,381.30
		<i>For Weatherproofing, Add</i>	<i>2,260.54</i>	
26 13 16 00-0004	EA	1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	11,668.29	1,381.30
		<i>For Weatherproofing, Add</i>	<i>2,373.33</i>	
26 13 16 00-0005	EA	1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	15,765.20	1,759.82
		<i>For Weatherproofing, Add</i>	<i>3,235.33</i>	
26 13 16 00-0006	EA	2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	21,251.12	1,759.82
		<i>For Weatherproofing, Add</i>	<i>4,412.61</i>	
26 13 16 00-0007	EA	2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	30,128.42	2,125.07
		<i>For Weatherproofing, Add</i>	<i>6,330.27</i>	
26 13 16 00-0008	EA	3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	27,668.76	2,125.07
		<i>For Weatherproofing, Add</i>	<i>5,774.09</i>	

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 13 Medium-Voltage Switchgear**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0009			7.2 KV Switchgear Sections (26 13 16 00-0001) Note: Includes air circuit breaker.		
26 13 16 00-0010	EA		1,200 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	16,328.45	1,593.80
			<i>For Weatherproofing, Add</i>	3,378.53	
26 13 16 00-0011	EA		2,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	20,121.70	1,992.25
			<i>For Weatherproofing, Add</i>	4,147.58	
26 13 16 00-0012	EA		3,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	28,011.99	2,390.70
			<i>For Weatherproofing, Add</i>	5,836.42	
26 13 16 00-0013			13.8 KV Switchgear Sections (26 13 16 00-0001) Note: Includes air circuit breaker.		
26 13 16 00-0014	EA		1,200 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	15,853.51	1,593.80
			<i>For Weatherproofing, Add</i>	3,256.50	
26 13 16 00-0015	EA		1,200 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	21,619.05	1,593.80
			<i>For Weatherproofing, Add</i>	4,486.71	
26 13 16 00-0016	EA		1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	31,240.48	2,125.07
			<i>For Weatherproofing, Add</i>	6,559.87	
26 13 16 00-0017	EA		2,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	19,961.75	2,125.07
			<i>For Weatherproofing, Add</i>	4,096.44	
26 13 16 00-0018	EA		2,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	28,584.08	2,656.34
			<i>For Weatherproofing, Add</i>	5,955.27	
26 13 16 00-0019	EA		2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	39,607.48	2,656.34
			<i>For Weatherproofing, Add</i>	8,340.27	
26 13 16 00-0020	EA		3,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	27,619.96	2,656.34
			<i>For Weatherproofing, Add</i>	5,732.05	
26 13 16 00-0021	EA		3,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	37,897.79	2,656.34
			<i>For Weatherproofing, Add</i>	7,954.91	
26 13 16 00-0022	EA		3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	48,797.01	2,656.34
			<i>For Weatherproofing, Add</i>	10,316.55	
26 13 16 00-0023			4.16 Or 4.8 KV Switchgear Section (26 13 16 00-0001) Note: Excludes air circuit breaker element.		
26 13 16 00-0024	EA		1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	5,156.29	869.94
			<i>For Weatherproofing, Add</i>	1,012.37	
26 13 16 00-0025	EA		1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,546.22	869.94
			<i>For Weatherproofing, Add</i>	1,318.16	
26 13 16 00-0026	EA		2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,223.96	1,155.50
			<i>For Weatherproofing, Add</i>	1,427.86	
26 13 16 00-0027	EA		2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,951.43	1,427.78
			<i>For Weatherproofing, Add</i>	1,769.38	
26 13 16 00-0028	EA		3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	11,764.54	1,427.78
			<i>For Weatherproofing, Add</i>	2,388.26	
26 13 16 00-0029			7.2 KV Switchgear Section (26 13 16 00-0001) Note: Excludes air circuit breaker element.		
26 13 16 00-0030	EA		1,200 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,457.81	1,328.17
			<i>For Weatherproofing, Add</i>	1,281.75	
26 13 16 00-0031	EA		2,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,433.64	1,328.17
			<i>For Weatherproofing, Add</i>	1,677.29	
26 13 16 00-0032	EA		3,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	12,630.66	1,328.17
			<i>For Weatherproofing, Add</i>	2,562.03	
26 13 16 00-0033			13.8 KV Switchgear Section (26 13 16 00-0001) Note: Excludes air circuit breaker element.		
26 13 16 00-0034	EA		1,200 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,719.83	1,128.94
			<i>For Weatherproofing, Add</i>	1,321.05	
26 13 16 00-0035	EA		1,200 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,122.09	1,128.94
			<i>For Weatherproofing, Add</i>	1,409.55	
26 13 16 00-0036	EA		1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,079.49	1,394.58
			<i>For Weatherproofing, Add</i>	2,021.35	
26 13 16 00-0037	EA		2,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,243.22	1,673.49
			<i>For Weatherproofing, Add</i>	1,798.73	
26 13 16 00-0038	EA		2,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	11,138.84	1,673.49
			<i>For Weatherproofing, Add</i>	2,215.77	
26 13 16 00-0039	EA		2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	12,826.16	1,952.40
			<i>For Weatherproofing, Add</i>	2,547.50	
26 13 16 00-0040	EA		3,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	12,256.82	2,231.32
			<i>For Weatherproofing, Add</i>	2,383.47	
26 13 16 00-0041	EA		3,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	13,555.76	2,231.32
			<i>For Weatherproofing, Add</i>	2,669.23	
26 13 16 00-0042	EA		3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	16,556.91	2,496.95
			<i>For Weatherproofing, Add</i>	3,290.36	
26 13 16 00-0043			Accessories For Substation Secondary Distribution Sections (26 13 16 00-0001)		
26 13 16 00-0044	EA		1,200 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section.....	3,448.33	841.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	505.01	
26 13 16 00-0045	EA		2,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section.....	4,239.01	933.96
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	560.41	
26 13 16 00-0046	EA		3,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section.....	5,475.13	1,123.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	674.20	
26 13 16 00-0047	EA		3-Phase Pothead Termination Accessories, Secondary Distribution Section.....	4,057.31	1,689.82

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

26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	3,737.90	116.52
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	4,965.69	116.52
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	9,026.40	116.52
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	7,110.95	116.52
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	7,755.46	116.52
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	10,527.74	116.52
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,737.29	116.52
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,953.10	116.52
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,924.83	116.52
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67	1,901.19	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>69.91</i>	
26 13 16 00-0058	EA	AC Ammeter With Switch.....	792.98	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>69.91</i>	
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer	792.98	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>69.91</i>	
26 13 16 00-0060	EA	Indicating Wattmeter.....	1,133.61	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>69.91</i>	
26 13 16 00-0061	EA	Indicating Varmeter.....	1,322.59	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>69.91</i>	
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element	860.64	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>69.91</i>	
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N.....	3,499.30	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>69.91</i>	
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87	3,538.43	116.52
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary	563.75	116.52
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses.....	2,388.22	116.52

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)

26 13 19 00-0001	Vacuum Circuit Breakers 13.8 KV (26 13 19)			
26 13 19 00-0002	EA	1,200 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	38,292.56	1,660.21
26 13 19 00-0003	EA	1,200 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	42,350.85	2,098.50
26 13 19 00-0004	EA	1,200 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	48,111.28	2,098.50
26 13 19 00-0005	EA	2,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	43,757.10	1,660.21
26 13 19 00-0006	EA	2,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	49,094.10	1,660.21
26 13 19 00-0007	EA	2,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	55,980.34	1,952.40
26 13 19 00-0008	EA	3,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	57,894.55	2,231.32
26 13 19 00-0009	EA	3,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	63,258.66	2,231.32
26 13 19 00-0010	EA	3,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	69,162.52	2,510.23

26 18 Medium-Voltage Circuit Protection Devices (26 10)

26 18 16 Medium-Voltage Fuses (26 18)

26 18 16 00-0001	Sectionalizing Switch (26 18 16)			
26 18 16 00-0002	Pad Mounted Metal Enclosed Oil Filled Switching Units (26 18 16 00-0001) Note: 15 KV - 25 KV.			
26 18 16 00-0003	Sectionalizing Tapping And Fusing Underground Feeders (26 18 16 00-0002) Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.			
26 18 16 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	20,399.82	969.14
26 18 16 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	22,873.18	969.14

26 20 Low-Voltage Electrical Distribution (26)

26 21 Low-Voltage Electrical Service Entrance (26 20)

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)

26 21 13 00-0001	Service Drop Cable And Weatherheads (26 21 13)			
26 21 13 00-0002	600 Volt Insulated Stranded Conductors (26 21 13 00-0001)			
26 21 13 00-0003	Aluminum Duplex ACSR Neutral (26 21 13 00-0002)			
26 21 13 00-0004	LF	#6 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	8.08	3.16
26 21 13 00-0005	LF	#4 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	9.62	3.74
26 21 13 00-0006	LF	#2 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	11.00	4.22
26 21 13 00-0007	LF	#1/0 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	14.13	5.31
26 21 13 00-0008	Aluminum Triplex ACSR Neutral (26 21 13 00-0002)			
26 21 13 00-0009	LF	#6 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	9.66	3.74
26 21 13 00-0010	LF	#4 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	10.95	4.22
26 21 13 00-0011	LF	#2 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	13.83	5.31
26 21 13 00-0012	LF	#1/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	17.03	6.48
26 21 13 00-0013	LF	#2/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	22.43	8.56
26 21 13 00-0014	LF	#4/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	28.07	10.63
26 21 13 00-0015	LF	336 MCM Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	34.83	12.65
26 21 13 00-0016	Aluminum Quadruplex ACSR Neutral (26 21 13 00-0002)			
26 21 13 00-0017	LF	#6 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	10.96	4.22

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 21 Low-Voltage Electrical Service Entrance**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

26 21 13 00-0018	LF	#4 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	13.83	5.31
26 21 13 00-0019	LF	#2 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	17.78	6.81
26 21 13 00-0020	LF	#1/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	22.66	8.56
26 21 13 00-0021	LF	#2/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	25.14	9.48
26 21 13 00-0022	LF	#3/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	28.47	10.63
26 21 13 00-0023	LF	#4/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	33.74	12.65
26 21 13 00-0024	LF	336 MCM Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	39.02	13.98

26 21 13 00-0025 Aluminum Triplex For Underground Service, Direct Burial (26 21 13 00-0002)

Note: Excludes excavation and backfill.

26 21 13 00-0026	MLF	#6 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,314.45	1,180.60
26 21 13 00-0027	MLF	#4 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,607.53	1,250.06
26 21 13 00-0028	MLF	#2 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,989.39	1,328.17
26 21 13 00-0029	MLF	#1/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	4,276.06	1,328.17
26 21 13 00-0030	MLF	#2/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	4,646.35	1,416.75
26 21 13 00-0031	MLF	#3/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	5,431.02	1,634.71
26 21 13 00-0032	MLF	#4/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	6,880.33	2,125.07

26 21 13 00-0033 Weather Proof Conduit Hubs (26 21 13 00-0002)

26 21 13 00-0034	EA	1/2" Weatherproof Conduit Hubs	57.79	22.43
26 21 13 00-0035	EA	3/4" Weatherproof Conduit Hubs	65.83	25.49
26 21 13 00-0036	EA	1" Weatherproof Conduit Hubs	75.31	28.55
26 21 13 00-0037	EA	1-1/4" Weatherproof Conduit Hubs	103.35	38.24
26 21 13 00-0038	EA	1-1/2" Weatherproof Conduit Hubs	112.84	41.30
26 21 13 00-0039	EA	2" Weatherproof Conduit Hubs	139.94	47.92
26 21 13 00-0040	EA	2-1/2" Weatherproof Conduit Hubs	174.22	54.04
26 21 13 00-0041	EA	3" Weatherproof Conduit Hubs	218.46	63.73
26 21 13 00-0042	EA	4" Weatherproof Conduit Hubs	402.63	127.46

26 21 13 00-0043 Service Entrance Cap, Threaded Weatherhead, Galvanized (26 21 13 00-0002)

26 21 13 00-0044	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	65.01	22.43
26 21 13 00-0045	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	74.50	25.49
26 21 13 00-0046	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	85.12	28.55
26 21 13 00-0047	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	114.35	38.24
26 21 13 00-0048	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	128.79	41.30
26 21 13 00-0049	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	167.53	47.92
26 21 13 00-0050	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service.....	274.80	54.04
26 21 13 00-0051	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	313.40	63.73
26 21 13 00-0052	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	521.32	127.46

26 21 13 00-0053 Service Entrance Cap, Clamp-On Weatherhead, Aluminum (26 21 13 00-0002)

26 21 13 00-0054	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	63.06	22.43
26 21 13 00-0055	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	71.22	25.49
26 21 13 00-0056	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	80.68	28.42
26 21 13 00-0057	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	107.34	38.24
26 21 13 00-0058	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	119.33	41.30
26 21 13 00-0059	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	140.48	47.92
26 21 13 00-0060	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service	224.07	54.04
26 21 13 00-0061	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	287.89	63.73
26 21 13 00-0062	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service.....	406.86	95.59
26 21 13 00-0063	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	490.96	127.46

26 21 13 00-0064 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) (26 21 13 00-0002)

26 21 13 00-0065	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	59.22	22.43
26 21 13 00-0066	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	67.57	25.49
26 21 13 00-0067	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	76.32	28.42
26 21 13 00-0068	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	101.88	38.24
26 21 13 00-0069	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	110.61	41.30
26 21 13 00-0070	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	132.82	47.92
26 21 13 00-0071	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service.....	195.05	54.04
26 21 13 00-0072	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	221.85	63.73
26 21 13 00-0073	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service.....	366.80	95.59
26 21 13 00-0074	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	502.90	127.46

26 22 Low-Voltage Transformers (26 20)**26 22 13 Low-Voltage Distribution Transformers** (26 22)**26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers** (26 22 13)

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

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

26 22 13 00-0002	480 Volt, 120/240 Volt, General Purpose Dry Type Transformers <small>(26 22 13 00-0001)</small> Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.		
26 22 13 00-0003	EA 1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	812.92	324.59
26 22 13 00-0004	EA 3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,028.29	389.52
26 22 13 00-0005	EA 5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,167.96	406.39
26 22 13 00-0006	EA 7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,308.65	421.98
26 22 13 00-0007	EA 10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,637.27	454.43
26 22 13 00-0008	EA 15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,867.97 44.71 67.06	486.89
26 22 13 00-0009	EA 25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,025.66 49.35 74.02	519.36
26 22 13 00-0010	EA 37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,088.58 46.00 69.00	584.27
26 22 13 00-0011	EA 50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,417.89 55.98 83.96	649.19
26 22 13 00-0012	EA 75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	3,075.57 75.88 113.81	779.03
26 22 13 00-0013	EA 100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	3,780.41 98.13 147.20	908.87
26 22 13 00-0014	EA 167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	5,592.56 162.77 244.16	1,168.54
26 22 13 00-0015	EA 250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	9,032.40 308.80 463.20	1,428.22
26 22 13 00-0016	EA 333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	13,209.93 498.20 747.30	1,622.98
26 22 13 00-0017	240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers <small>(26 22 13 00-0001)</small> Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0018	EA 3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	952.09	389.52
26 22 13 00-0019	EA 5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,045.86	405.75
26 22 13 00-0020	EA 7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,172.16	421.98
26 22 13 00-0021	EA 10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,316.31	454.43
26 22 13 00-0022	240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers <small>(26 22 13 00-0001)</small> Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023	EA 15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,867.97	486.89
26 22 13 00-0024	EA 25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,025.66	519.36
26 22 13 00-0025	1 Phase Mounting Brackets <small>(26 22 13 00-0001)</small>		
26 22 13 00-0026	EA 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA.....	573.51	233.04
26 22 13 00-0027	1 Phase Weathershields <small>(26 22 13 00-0001)</small> Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028	EA 37.5 KVA 1 Phase Weathershields, Set Of 2.....	32.21	
26 22 13 00-0029	EA 50 KVA 1 Phase Weathershields, Set Of 2.....	41.06	
26 22 13 00-0030	EA 75 KVA 1 Phase Weathershields, Set Of 2.....	48.96	
26 22 13 00-0031	EA 100 KVA 1 Phase Weathershields, Set Of 2.....	58.41	
26 22 13 00-0032	EA 167 KVA 1 Phase Weathershields, Set Of 2.....	79.02	
26 22 13 00-0033	EA 250 KVA 1 Phase Weathershields, Set Of 2.....	94.49	
26 22 13 00-0034	EA 333 KVA 1 Phase Weathershields, Set Of 2.....	115.96	
26 22 13 00-0035	Packaged Power Supply <small>(26 22 13 00-0001)</small> Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036	EA 5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amp Breakers.....	1,285.05	405.75
26 22 13 00-0037	EA 7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amp Breakers.....	1,397.67	421.98
26 22 13 00-0038	EA 10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amp Breakers.....	1,510.34	454.43
26 22 13 00-0039	EA 15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amp Breakers.....	1,754.43	486.89
26 22 13 00-0040	EA 25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amp Breakers.....	2,203.10	519.36
26 22 13 00-0041	240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade <small>(26 22 13 00-0001)</small>		
26 22 13 00-0042	EA 0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	940.74	292.14
26 22 13 00-0043	EA 1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,203.22	324.59
26 22 13 00-0044	EA 2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,418.96	389.52
26 22 13 00-0045	EA 5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,533.02	405.75
26 22 13 00-0046	EA 7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,677.14	421.98
26 22 13 00-0047	EA 10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	2,034.11	454.43
26 22 13 00-0048	EA 15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	2,492.44	486.89

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 22 Low-Voltage Transformers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0049			1 Phase, 208/600 Volt, Dry General Purpose Transformer (26 22 13 00-0001)		
26 22 13 00-0050	EA		15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,906.75	486.89
26 22 13 00-0051	EA		25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,035.74	519.36
26 22 13 00-0052	EA		30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,171.54	551.82
26 22 13 00-0053	EA		37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,977.84	584.27
26 22 13 00-0054	EA		45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	4,147.42	616.73
26 22 13 00-0055	EA		50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	5,281.11	649.19
26 22 13 00-0056			3 Phase General Purpose "Dry Type" Transformer (26 22 13) Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057			Packaged Power Supply (26 22 13 00-0056) Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058	EA		15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amp Breakers	5,061.37	1,395.77
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	113.49	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	170.24	
26 22 13 00-0059	EA		22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amp Breakers	5,799.11	1,493.14
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	140.64	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	210.96	
26 22 13 00-0060	EA		30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amp Breakers	6,697.26	1,622.98
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	172.57	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	258.85	
26 22 13 00-0061			Drive Isolation Transformers (26 22 13 00-0056) Note: Only use in step-up applications.		
26 22 13 00-0062			230 Volt Drive Isolation Transformers (26 22 13 00-0061)		
26 22 13 00-0063	EA		7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,047.68	519.36
26 22 13 00-0064	EA		11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,488.34	551.82
26 22 13 00-0065	EA		15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,628.40	584.27
26 22 13 00-0066	EA		20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,181.29	616.73
26 22 13 00-0067	EA		27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,388.28	681.65
26 22 13 00-0068	EA		34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,820.72	746.57
26 22 13 00-0069	EA		40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,405.45	811.49
26 22 13 00-0070	EA		51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,240.47	908.87
26 22 13 00-0071	EA		63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,695.17	941.32
26 22 13 00-0072	EA		75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	7,572.69	973.79
26 22 13 00-0073	EA		93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	9,223.75	1,006.25
26 22 13 00-0074	EA		118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,498.80	1,233.46
26 22 13 00-0075	EA		145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,603.57	1,298.38
26 22 13 00-0076	EA		175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,121.15	1,363.30
26 22 13 00-0077	EA		220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,950.06	1,622.98
26 22 13 00-0078	EA		275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	20,806.78	1,915.11
26 22 13 00-0079	EA		330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	22,084.05	2,109.87
26 22 13 00-0080	EA		440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	26,573.45	2,337.09
26 22 13 00-0081	EA		550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	32,401.29	2,596.77
26 22 13 00-0082			208V Drive Isolation Transformers (26 22 13 00-0061)		
26 22 13 00-0083	EA		7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,149.94	519.36
26 22 13 00-0084	EA		11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,609.72	551.82
26 22 13 00-0085	EA		15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,753.61	584.27
26 22 13 00-0086	EA		20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,331.33	616.73
26 22 13 00-0087	EA		27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,542.25	681.65
26 22 13 00-0088	EA		30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,925.17	714.11
26 22 13 00-0089	EA		45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,662.90	843.95
26 22 13 00-0090	EA		51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,465.59	908.87
26 22 13 00-0091	EA		63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,940.13	941.32
26 22 13 00-0092	EA		75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	7,859.00	973.79
26 22 13 00-0093	EA		93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	9,590.80	1,006.25
26 22 13 00-0094	EA		118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,907.62	1,233.46
26 22 13 00-0095	EA		145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,062.01	1,298.38
26 22 13 00-0096	EA		175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,650.23	1,363.30
26 22 13 00-0097	EA		220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	16,596.70	1,622.98
26 22 13 00-0098			480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0099	EA		9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,380.18	535.59
26 22 13 00-0100	EA		15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,964.68	584.27
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	89.81	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	134.71	
26 22 13 00-0101			480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0102	EA		30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	3,401.23	714.11
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	98.65	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	147.98	
			<i>For K4 Factor Rating, Add</i>	1,381.11	
			<i>For K13 Factor Rating, Add</i>	1,973.01	
			<i>For K20 Factor Rating, Add</i>	2,564.91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0103 EA 37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,996.81	779.03
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	121.94	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	182.91	
<i>For K4 Factor Rating, Add</i>	1,707.13	
<i>For K13 Factor Rating, Add</i>	2,438.75	
<i>For K20 Factor Rating, Add</i>	3,170.38	
26 22 13 00-0104 EA 45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,217.51	843.95
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	126.48	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	189.72	
<i>For K4 Factor Rating, Add</i>	1,770.73	
<i>For K13 Factor Rating, Add</i>	2,529.61	
<i>For K20 Factor Rating, Add</i>	3,288.49	
26 22 13 00-0105 EA 50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,275.14	908.87
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	172.87	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	259.31	
<i>For K4 Factor Rating, Add</i>	2,420.19	
<i>For K13 Factor Rating, Add</i>	3,457.41	
<i>For K20 Factor Rating, Add</i>	4,494.63	
26 22 13 00-0106 EA 75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,304.19	973.79
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	167.83	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	251.75	
<i>For K4 Factor Rating, Add</i>	2,349.63	
<i>For K13 Factor Rating, Add</i>	3,356.62	
<i>For K20 Factor Rating, Add</i>	4,363.61	
26 22 13 00-0107 EA 112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	6,545.01	1,168.54
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	210.40	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	315.59	
<i>For K4 Factor Rating, Add</i>	2,945.54	
<i>For K13 Factor Rating, Add</i>	4,207.92	
<i>For K20 Factor Rating, Add</i>	5,470.30	
26 22 13 00-0108 EA 150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	8,208.68	1,298.38
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	280.60	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	420.89	
<i>For K4 Factor Rating, Add</i>	3,928.34	
<i>For K13 Factor Rating, Add</i>	5,611.91	
<i>For K20 Factor Rating, Add</i>	7,295.48	
26 22 13 00-0109 EA 225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	10,999.86	1,622.98
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	387.70	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	581.54	
<i>For K4 Factor Rating, Add</i>	5,427.73	
<i>For K13 Factor Rating, Add</i>	7,753.90	
<i>For K20 Factor Rating, Add</i>	10,080.07	
26 22 13 00-0110 EA 300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	13,453.14	2,012.50
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	471.41	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	707.11	
<i>For K4 Factor Rating, Add</i>	6,599.71	
<i>For K13 Factor Rating, Add</i>	9,428.16	
<i>For K20 Factor Rating, Add</i>	12,256.61	
26 22 13 00-0111 EA 500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	18,739.88	2,466.93
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	690.30	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,035.45	
<i>For K4 Factor Rating, Add</i>	9,664.21	
<i>For K13 Factor Rating, Add</i>	13,806.02	
<i>For K20 Factor Rating, Add</i>	17,947.83	
26 22 13 00-0112 EA 750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	39,648.60	2,972.01
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,683.80	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,525.70	
<i>For K4 Factor Rating, Add</i>	23,573.23	
<i>For K13 Factor Rating, Add</i>	33,676.04	
<i>For K20 Factor Rating, Add</i>	43,778.85	
26 22 13 00-0113 EA 1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	51,327.18	3,245.96
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,241.76	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	3,362.65	
<i>For K4 Factor Rating, Add</i>	31,384.69	
<i>For K13 Factor Rating, Add</i>	44,835.27	
<i>For K20 Factor Rating, Add</i>	58,285.85	
26 22 13 00-0114 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN		
Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0115 EA 6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,026.50	503.12
<i>For K4 Factor Rating, Add</i>	714.18	
<i>For K13 Factor Rating, Add</i>	1,020.25	
<i>For K20 Factor Rating, Add</i>	1,326.33	
26 22 13 00-0116 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,380.18	535.59
<i>For K4 Factor Rating, Add</i>	916.31	
<i>For K13 Factor Rating, Add</i>	1,309.02	
<i>For K20 Factor Rating, Add</i>	1,701.73	
26 22 13 00-0117 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,964.68	584.27
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	89.81	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	134.71	
<i>For K4 Factor Rating, Add</i>	1,257.30	
<i>For K13 Factor Rating, Add</i>	1,796.14	
<i>For K20 Factor Rating, Add</i>	2,334.98	
26 22 13 00-0118 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps		
<small>(26 22 13 00-0056)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 22 13 00-0119	EA 30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	5,183.93 187.79 281.68 2,629.00 3,755.71 4,882.42	714.11
26 22 13 00-0120	EA 45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	5,867.26 208.97 313.45 2,925.55 4,179.36 5,433.17	843.95
26 22 13 00-0121	EA 75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	8,303.87 317.82 476.72 4,449.41 6,356.30 8,263.19	973.79
26 22 13 00-0122	EA 112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	10,354.67 400.88 601.32 5,612.31 8,017.58 10,422.85	1,168.54
26 22 13 00-0123	EA 150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	12,329.56 486.64 729.96 6,812.95 9,732.79 12,652.63	1,298.38
26 22 13 00-0124	EA 225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	15,750.71 625.24 937.86 8,753.33 12,504.75 16,256.18	1,622.98
26 22 13 00-0125	EA 300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	19,201.73 758.84 1,138.26 10,623.73 15,176.75 19,729.78	2,012.50
26 22 13 00-0126	EA 500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	29,860.85 1,246.35 1,869.52 17,448.89 24,926.99 32,405.09	2,466.93
26 22 13 00-0127	3 Phase 60 Hz K20 Dry Type Transformers (26 22 13 00-0056)		
26 22 13 00-0128	3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise (26 22 13 00-0127) Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129	EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	2,820.29	584.27
26 22 13 00-0130	EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	4,044.68	714.11
26 22 13 00-0131	EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	5,672.09	843.95
26 22 13 00-0132	EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	7,112.27	973.79
26 22 13 00-0133	EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	10,303.89	1,168.54
26 22 13 00-0134	EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	12,373.99	1,298.38
26 22 13 00-0135	EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	14,536.89	1,622.98
26 22 13 00-0136	EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	22,357.67	2,012.50
26 22 13 00-0137	3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise (26 22 13 00-0127) Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138	EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	3,151.91	584.27
26 22 13 00-0139	EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	4,568.29	714.11
26 22 13 00-0140	EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	6,468.61	843.95
26 22 13 00-0141	EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	8,143.62	973.79
26 22 13 00-0142	EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	11,896.93	1,168.54
26 22 13 00-0143	EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	14,330.39	1,298.38
26 22 13 00-0144	EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	16,794.76	1,622.98
26 22 13 00-0145	EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	26,024.52	2,012.50
26 22 13 00-0146	NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0056)		
26 22 13 00-0147	Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0146) Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148	150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)		
26 22 13 00-0149	EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,262.54	581.48
26 22 13 00-0150	EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,980.51	710.70
26 22 13 00-0151	EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,789.46	839.92

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22	13 00-0152	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,344.46	969.14
26 22	13 00-0153	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,415.53	1,162.96
26 22	13 00-0154	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,385.00	1,292.18
26 22	13 00-0155	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	13,715.63	1,615.22
26 22	13 00-0156	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	19,160.68	2,002.88
26 22 13 00-0157 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)					
26 22	13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,894.25	581.48
26 22	13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,745.69	710.70
26 22	13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,722.56	839.92
26 22	13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,666.53	969.14
26 22	13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,780.11	1,162.96
26 22	13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,725.19	1,292.18
26 22	13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	16,861.39	1,615.22
26 22	13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	23,707.16	2,002.88
26 22 13 00-0166 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)					
26 22	13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,523.41	581.48
26 22	13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,513.01	710.70
26 22	13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,655.67	839.92
26 22	13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,986.48	969.14
26 22	13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,501.77	1,162.96
26 22	13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	15,065.38	1,292.18
26 22	13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	20,007.16	1,615.22
26 22	13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	28,253.65	2,002.88
26 22 13 00-0175 Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0146)					
Note: Two taps at 2.5%, four at -2.5%.					
26 22 13 00-0176 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)					
26 22	13 00-0177	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,312.97	581.48
26 22	13 00-0178	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,257.95	710.70
26 22	13 00-0179	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,343.21	839.92
26 22	13 00-0180	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,546.49	969.14
26 22	13 00-0181	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,527.28	1,162.96
26 22	13 00-0182	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	14,366.09	1,292.18
26 22	13 00-0183	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	19,065.55	1,615.22
26 22	13 00-0184	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	26,895.44	2,002.88
26 22 13 00-0185 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)					
26 22	13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,942.13	581.48
26 22	13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,025.26	710.70
26 22	13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,276.32	839.92
26 22	13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,868.57	969.14

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....		14,877.10	1,162.96
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....		18,672.38	1,292.18
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....		23,818.21	1,615.22
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....		35,289.11	2,002.88
26 22 13 00-0194		80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>			
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....		5,573.41	581.48
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....		6,792.57	710.70
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....		8,209.42	839.92
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....		11,188.51	969.14
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....		17,568.00	1,162.96
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....		22,576.96	1,292.18
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....		28,568.74	1,615.22
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....		41,992.98	2,002.88
26 22 13 00-0203		3 Phase Weathershields <small>(26 22 13 00-0056)</small>			
		Note: Use with type DT-3 and DS-3.			
26 22 13 00-0204	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....		436.34	
26 22 13 00-0205	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....		740.99	
26 22 13 00-0206	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....		740.99	
26 22 13 00-0207		Three Phase Mounting Brackets <small>(26 22 13 00-0056)</small>			
26 22 13 00-0208	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA.....		699.01	233.04
26 22 13 00-0209		Pad Mounted Commercial Type Distribution Transformers UL Listed <small>(26 22 13)</small>			
26 22 13 00-0210		Distribution 3 Phase Oil Filled Transformer <small>(26 22 13 00-0209)</small>			
		Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.			
26 22 13 00-0211		Factory Modifications <small>(26 22 13 00-0210)</small>			
		Note: For use with series 4100 3 phase transformers.			
26 22 13 00-0212	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification.....		799.54	
26 22 13 00-0213	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification.....		130.01	
26 22 13 00-0214	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification.....		520.05	
26 22 13 00-0215	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification.....		1,498.31	
26 22 13 00-0216	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification.....		183.55	
26 22 13 00-0217	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification.....		145.31	
26 22 13 00-0218		Accessories For Transformer Liquid Containment Area <small>(26 22 13 00-0210)</small>			
		Note: Reinforced concrete curb with 6" slab.			
26 22 13 00-0219	EA	Containment Area For 75 KVA.....		6,210.94	2,461.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,640.73	
26 22 13 00-0220	EA	Containment Area For 112.5 KVA.....		6,210.94	2,461.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,640.73	
26 22 13 00-0221	EA	Containment Area For 150 KVA.....		6,210.94	2,461.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,640.73	
26 22 13 00-0222	EA	Containment Area For 225 KVA.....		6,210.94	2,461.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,640.73	
26 22 13 00-0223	EA	Containment Area For 300 KVA.....		6,202.12	2,461.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,638.08	
26 22 13 00-0224	EA	Containment Area For 500 KVA.....		6,202.12	2,461.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,638.08	
26 22 13 00-0225	EA	Containment Area For 750 KVA.....		6,223.54	2,461.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,638.08	
26 22 13 00-0226	EA	Containment Area For 1,000 KVA.....		6,534.04	2,461.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,638.08	
26 22 13 00-0227		Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL <small>(26 22 13 00-0210)</small>			
		Note: Rated to 5 KVA.			
26 22 13 00-0228	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....		6,377.55	1,550.61
26 22 13 00-0229	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....		6,836.42	1,550.61
26 22 13 00-0230	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....		7,142.34	1,550.61

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0231	EA		150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,060.08	1,550.61
26 22 13 00-0232	EA		225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,254.28	2,325.92
26 22 13 00-0233	EA		300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,560.20	2,325.92
26 22 13 00-0234	EA		500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	13,231.17	2,325.92
26 22 13 00-0235	EA		750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	17,037.89	3,101.23
26 22 13 00-0236	EA		1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	21,014.78	3,101.23
26 22 13 00-0237			Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL <small>(26 22 13 00-0210)</small> Note: Rated to 5 KVA.		
26 22 13 00-0238	EA		45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,530.51	1,550.61
26 22 13 00-0239	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,142.34	1,550.61
26 22 13 00-0240	EA		112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,295.30	1,550.61
26 22 13 00-0241	EA		150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,448.25	1,550.61
26 22 13 00-0242	EA		225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,254.28	2,325.92
26 22 13 00-0243	EA		300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,866.11	2,325.92
26 22 13 00-0244	EA		500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	13,231.17	2,325.92
26 22 13 00-0245	EA		750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	17,190.85	3,101.23
26 22 13 00-0246	EA		1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	21,014.78	3,101.23
26 22 13 00-0247			Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled <small>(26 22 13 00-0209)</small>		
26 22 13 00-0248	EA		1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	40,214.35	5,758.59
26 22 13 00-0249	EA		2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	48,876.71	6,622.41
26 22 13 00-0250	EA		2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	54,842.75	6,970.91
26 22 13 00-0251	EA		3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	58,757.46	7,791.05
26 22 13 00-0252	EA		3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	64,946.73	8,027.14
26 22 13 00-0253			Foam Core Poly Transformer Pads <small>(26 22 13)</small>		
26 22 13 00-0254	EA		Single Phase Foam Core Poly Pads..... Note: Excludes site prep.	163.14	40.64
26 24			Switchboards And Panelboards <small>(26 24)</small>		
26 24 13			Switchboards <small>(26 24)</small>		
26 24 13 00-0001			Fusible Switch Type 240 Volt, 3 Phase, 3 Wire <small>(26 24 13)</small>		
26 24 13 00-0002			Incoming Service Section Main Device Only <small>(26 24 13 00-0001)</small> Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003	EA		400 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire.....	4,153.92	1,114.85
26 24 13 00-0004	EA		600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire.....	4,582.84	1,179.23
26 24 13 00-0005	EA		800 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire.....	7,240.85	1,337.65
26 24 13 00-0006	EA		1,200 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire.....	7,797.97	1,434.01
26 24 13 00-0007	EA		1,600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire.....	12,293.58	1,528.96
26 24 13 00-0008	EA		2,000 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire.....	13,685.11	1,625.70
26 24 13 00-0009	EA		400 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	4,962.56	1,114.85
26 24 13 00-0010	EA		600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	6,287.07	1,179.23
26 24 13 00-0011	EA		800 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	8,676.08	1,338.80
26 24 13 00-0012	EA		1,200 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	11,755.92	1,434.01
26 24 13 00-0013	EA		1,600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	12,293.58	1,530.49
26 24 13 00-0014	EA		2,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	13,685.11	1,625.70
26 24 13 00-0015	EA		2,500 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	16,373.66	1,699.62
26 24 13 00-0016	EA		3,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	18,536.09	1,820.83
26 24 13 00-0017	EA		4,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	21,824.76	1,962.82
26 24 13 00-0018	EA		400 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,886.19	987.79
26 24 13 00-0019	EA		600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,175.60	1,051.64
26 24 13 00-0020	EA		800 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,639.20	1,210.57
26 24 13 00-0021	EA		1,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,913.27	1,261.44
26 24 13 00-0022	EA		1,200 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	4,155.29	1,306.93
26 24 13 00-0023	EA		1,600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	4,543.61	1,401.25
26 24 13 00-0024	EA		2,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	4,910.37	1,497.35
26 24 13 00-0025			Branch Breaker Units <small>(26 24 13 00-0001)</small> Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026	EA		15 - 60 Amp MC Branch Breaker, 240 Volt..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	340.18 23.32	38.88

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0027	EA		70 - 100 Amp MC Branch Breaker, 240 Volt.....	499.62	61.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.71	
26 24 13 00-0028	EA		125 - 225 Amp MC Branch Breaker, 240 Volt.....	1,326.93	111.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.91	
26 24 13 00-0029	EA		100 - 400 Amp MC Branch Breaker, 240 Volt.....	2,340.91	145.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.18	
26 24 13 00-0030	EA		300 - 600 Amp MC Branch Breaker, 240 Volt.....	4,197.55	356.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	214.09	
26 24 13 00-0031	EA		400 - 800 Amp MC Branch Breaker, 240 Volt.....	6,659.58	356.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	214.09	
26 24 13 00-0032	EA		600 - 1,200 Amp MC Branch Breaker, 240 Volt.....	10,813.40	636.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	381.60	
26 24 13 00-0033			Fusible Switch Type 480 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0034			Incoming Service Section Main Device Only (26 24 13 00-0033)		
			Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035	EA		400 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	5,866.29	1,446.63
26 24 13 00-0036	EA		600 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	6,531.59	1,446.63
26 24 13 00-0037	EA		800 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	9,508.25	1,879.98
26 24 13 00-0038	EA		1,200 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	10,744.38	1,879.98
26 24 13 00-0039			Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire (26 24 13)		
26 24 13 00-0040			Incoming Service Section Main Device Only (26 24 13 00-0039)		
			Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041	EA		200/400 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,733.80	987.79
26 24 13 00-0042	EA		600 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,143.71	1,051.64
26 24 13 00-0043	EA		800 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	6,234.87	1,210.57
26 24 13 00-0044	EA		1,200 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	6,771.50	1,305.91
26 24 13 00-0045	EA		200/400 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,501.44	987.79
26 24 13 00-0046	EA		600 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,629.79	1,051.64
26 24 13 00-0047	EA		800 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	7,829.21	1,210.57
26 24 13 00-0048	EA		1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	11,119.83	1,305.91
26 24 13 00-0049	EA		2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	13,035.37	1,465.74
26 24 13 00-0050	EA		200/400 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,662.02	860.20
26 24 13 00-0051	EA		600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,971.84	924.18
26 24 13 00-0052	EA		800 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,488.19	1,083.12
26 24 13 00-0053	EA		1,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,745.77	1,133.97
26 24 13 00-0054	EA		1,200 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,993.88	1,179.23
26 24 13 00-0055	EA		1,600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,328.81	1,261.44
26 24 13 00-0056	EA		2,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,655.18	1,337.65
26 24 13 00-0057	EA		2,500 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,777.37	1,656.93
26 24 13 00-0058	EA		3,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	6,456.16	1,816.24
26 24 13 00-0059	EA		4,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	7,546.11	1,959.63
26 24 13 00-0060			Branch Breaker Units (26 24 13 00-0039)		
			Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061	EA		15 - 60 Amp MC Branch Breaker, 120 / 240 Volt.....	186.63	33.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.27	
26 24 13 00-0062	EA		70 - 100 Amp MC Branch Breaker, 120 / 240 Volt.....	297.18	56.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.65	
26 24 13 00-0063	EA		125 - 225 Amp MC Branch Breaker, 120 / 240 Volt.....	878.48	78.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.03	
26 24 13 00-0064	EA		100 - 400 Amp MC Branch Breaker, 120 / 240 Volt.....	2,489.53	100.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.41	
26 24 13 00-0065	EA		300 - 600 Amp MC Branch Breaker, 120 / 240 Volt.....	3,946.69	245.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.20	
26 24 13 00-0066	EA		400 - 800 Amp MC Branch Breaker, 120 / 240 Volt.....	5,580.39	245.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.20	
26 24 13 00-0067	EA		600 - 1,200 Amp MC Branch Breaker, 120 / 240 Volt.....	9,220.21	468.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	281.07	
26 24 13 00-0068			Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0069			Incoming Service Section Main Device Only (26 24 13 00-0068)		
			Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070	EA		400 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,155.47	1,114.85
26 24 13 00-0071	EA		600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,581.09	1,179.23
26 24 13 00-0072	EA		800 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	7,238.59	1,337.65
26 24 13 00-0073	EA		1,200 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	7,795.38	1,434.01
26 24 13 00-0074	EA		1,600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	12,287.70	1,528.96
26 24 13 00-0075	EA		2,000 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	13,685.11	1,625.70
26 24 13 00-0076	EA		400 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,964.11	1,114.85
26 24 13 00-0077	EA		600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	6,285.32	1,179.23
26 24 13 00-0078	EA		800 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,676.08	1,338.80
26 24 13 00-0079	EA		1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	11,753.33	1,434.01
26 24 13 00-0080	EA		1,600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	12,290.64	1,530.49
26 24 13 00-0081	EA		2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	13,685.11	1,625.70
26 24 13 00-0082	EA		400 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,013.72	987.79
26 24 13 00-0083	EA		600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,354.75	1,051.64
26 24 13 00-0084	EA		800 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,907.35	1,210.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0085	EA		1,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,192.66	1,261.44
26 24 13 00-0086	EA		1,200 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,467.43	1,306.93
26 24 13 00-0087	EA		1,600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,844.58	1,401.25
26 24 13 00-0088	EA		2,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,227.13	1,497.35
26 24 13 00-0089	EA		2,500 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	6,183.92	1,701.54
26 24 13 00-0090	EA		3,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	6,824.60	1,820.71
26 24 13 00-0091	EA		4,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,004.06	1,956.45
26 24 13 00-0092			Branch Breaker Units (26 24 13 00-0068)		
			Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093	EA		15 - 60 Amp MC Branch Breaker, 120/208 Volt.....	340.18	38.88
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.32	
26 24 13 00-0094	EA		70 - 100 Amp MC Branch Breaker, 120/208 Volt.....	499.62	61.18
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.71	
26 24 13 00-0095	EA		125 - 225 Amp MC Branch Breaker, 120/208 Volt.....	1,326.93	111.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.91	
26 24 13 00-0096	EA		100 - 400 Amp MC Branch Breaker, 120/208 Volt.....	2,340.91	145.30
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.18	
26 24 13 00-0097	EA		300 - 600 Amp MC Branch Breaker, 120/208 Volt.....	4,197.55	356.88
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	214.09	
26 24 13 00-0098	EA		400 - 800 Amp MC Branch Breaker, 120/208 Volt.....	6,659.58	356.88
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	214.09	
26 24 13 00-0099	EA		600 - 1,200 Amp MC Branch Breaker, 120/208 Volt.....	10,813.40	636.01
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	381.60	
26 24 13 00-0100			Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0101			Incoming Service Section Main Device Only (26 24 13 00-0100)		
			Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102	EA		400 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	5,410.09	1,528.96
26 24 13 00-0103	EA		600 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	5,923.40	1,625.70
26 24 13 00-0104	EA		800 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	8,285.85	1,814.59
26 24 13 00-0105	EA		1,200 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	9,046.11	1,942.94
26 24 13 00-0106	EA		400 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	6,782.99	1,528.96
26 24 13 00-0107	EA		600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	9,000.53	1,625.70
26 24 13 00-0108	EA		800 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	10,191.05	1,816.62
26 24 13 00-0109	EA		1,200 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	12,771.14	1,942.94
26 24 13 00-0110	EA		1,600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	13,373.30	2,071.80
26 24 13 00-0111	EA		2,000 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	14,834.79	2,200.52
26 24 13 00-0112	EA		400 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,013.72	987.79
26 24 13 00-0113	EA		600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,354.75	1,051.64
26 24 13 00-0114	EA		800 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,907.35	1,210.57
26 24 13 00-0115	EA		1,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,192.66	1,261.44
26 24 13 00-0116	EA		1,200 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,467.43	1,306.93
26 24 13 00-0117	EA		1,600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,844.58	1,401.25
26 24 13 00-0118	EA		2,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	5,227.13	1,497.35
26 24 13 00-0119			Branch Breaker Units (26 24 13 00-0100)		
			Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120	EA		15 - 60 Amp MC Branch Breaker, 480 / 277 Volt.....	692.84	38.88
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.32	
26 24 13 00-0121	EA		70 - 100 Amp MC Branch Breaker, 480 / 277 Volt.....	803.07	61.18
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.71	
26 24 13 00-0122	EA		125 - 225 Amp MC Branch Breaker, 480 / 277 Volt.....	1,456.52	111.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.91	
26 24 13 00-0123	EA		100 - 400 Amp MC Branch Breaker, 480 / 277 Volt.....	2,340.91	145.30
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.18	
26 24 13 00-0124	EA		300 - 600 Amp MC Branch Breaker, 480 / 277 Volt.....	5,611.46	356.88
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	214.09	
26 24 13 00-0125	EA		400 - 800 Amp MC Branch Breaker, 480 / 277 Volt.....	5,737.76	356.88
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	214.09	
26 24 13 00-0126	EA		600 - 1,200 Amp MC Branch Breaker, 480 / 277 Volt.....	9,223.99	636.01
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	381.60	
26 24 13 00-0127			Fusible Branch Circuit Switch (26 24 13)		
26 24 13 00-0128			240 Volt, 2 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0129	EA		30/30 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	730.19	100.06
			For Electrical Interlock Kit, Add	286.75	
26 24 13 00-0130	EA		30/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	727.74	100.06
			For Electrical Interlock Kit, Add	286.75	
26 24 13 00-0131	EA		60/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	727.74	100.06
			For Electrical Interlock Kit, Add	286.75	
26 24 13 00-0132	EA		60/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,135.33	131.91
			For Electrical Interlock Kit, Add	286.75	
26 24 13 00-0133	EA		100/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,135.33	131.91
			For Electrical Interlock Kit, Add	286.75	
26 24 13 00-0134			240 Volt, 2 Pole Single Branch Switch Units (26 24 13 00-0127)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 13 00-0135	EA 100 Amp, 240 Volt, 2 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	830.82 274.70	98.14
26 24 13 00-0136	EA 200 Amp, 240 Volt, 2 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,199.18 274.70	98.14
26 24 13 00-0137	EA 400 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	3,085.58	264.47
26 24 13 00-0138	240 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0139	EA 30/30 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	931.51 286.75	112.79
26 24 13 00-0140	EA 30/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	929.05 286.75	112.79
26 24 13 00-0141	EA 60/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	929.05 286.75	112.79
26 24 13 00-0142	EA 60/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,394.40 286.75	151.04
26 24 13 00-0143	EA 100/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,394.40 286.75	151.04
26 24 13 00-0144	240 Volt, 3 Pole Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0145	EA 100 Amp, 240 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,004.07 286.75	110.89
26 24 13 00-0146	EA 200 Amp, 240 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,604.56 274.70	110.89
26 24 13 00-0147	EA 400 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	4,116.78	296.08
26 24 13 00-0148	EA 600 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	5,867.11	379.31
26 24 13 00-0149	EA 800 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	10,868.06	513.90
26 24 13 00-0150	600 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0151	EA 30/30 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,303.35 286.75	112.79
26 24 13 00-0152	EA 30/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,300.86 286.75	112.79
26 24 13 00-0153	EA 60/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,303.35 286.75	112.79
26 24 13 00-0154	EA 60/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,955.46 286.75	151.04
26 24 13 00-0155	EA 100/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,996.98 286.75	151.04
26 24 13 00-0156	EA 200/200 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	4,218.36 286.75	197.56
26 24 13 00-0157	600 Volt, 3 Pole, Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0158	EA 100 Amp, 600 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,404.56 286.75	110.89
26 24 13 00-0159	EA 200 Amp, 600 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	2,112.99 274.70	110.89
26 24 13 00-0160	EA 400 Amp, 600 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	5,148.11 274.70	296.08
26 24 13 00-0161	EA 600 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	6,257.47	379.31
26 24 13 00-0162	EA 800 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	10,868.06	513.90
26 24 13 00-0163	Service And Distribution Structures (26 24 13)		
26 24 13 00-0164	Distribution Section 600 Volts, 250 Volts DC (26 24 13 00-0163)		
26 24 13 00-0165	600 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0166	EA 14 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,871.81	1,172.60
26 24 13 00-0167	EA 24 - 30 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,402.01	1,172.60
26 24 13 00-0168	EA 34 - 38 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,789.13	1,491.23
26 24 13 00-0169	EA 42 - 48 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,200.89	1,491.23
26 24 13 00-0170	800 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0171	EA 14 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,246.53	1,357.41
26 24 13 00-0172	EA 24 - 30 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,760.45	1,357.41
26 24 13 00-0173	EA 34 - 38 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,200.89	1,682.42
26 24 13 00-0174	EA 42 - 48 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,570.79	1,682.42
26 24 13 00-0175	1,200 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0176	EA 14 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,826.50	1,656.93
26 24 13 00-0177	EA 24 - 30 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,354.34	1,656.93
26 24 13 00-0178	EA 34 - 38 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,823.68	2,039.30
26 24 13 00-0179	EA 42 - 48 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,365.59	2,039.30
26 24 13 00-0180	1,600 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0181	EA 14 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,654.79	1,816.24
26 24 13 00-0182	EA 24 - 30 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,294.02	1,816.24
26 24 13 00-0183	EA 34 - 38 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,854.62	2,243.22
26 24 13 00-0184	EA 42 - 48 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	6,326.68	2,243.22

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--	-------	-------------	------------------------	----------------------

26 24 13 00-0185		2,000 Amp Main Bus, 4 Wire <small>(26 24 13 00-0164)</small>		
26 24 13 00-0186	EA	14 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,891.08	1,822.62
26 24 13 00-0187	EA	24 - 30 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,585.81	2,052.04
26 24 13 00-0188	EA	34 - 38 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,691.21	2,052.04
26 24 13 00-0189	EA	42 - 48 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,941.33	2,166.75
26 24 13 00-0190		3,000 Amp Main Bus, 4 Wire <small>(26 24 13 00-0164)</small>		
26 24 13 00-0191	EA	24 - 30 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	6,587.85	2,052.04
26 24 13 00-0192	EA	34 - 38 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	6,691.67	2,052.04
26 24 13 00-0193	EA	42 - 48 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	6,941.79	2,166.75
26 24 13 00-0194		4,000 Amp Main Bus, 4 Wire <small>(26 24 13 00-0164)</small>		
26 24 13 00-0195	EA	24 - 30 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	6,751.26	2,166.75
26 24 13 00-0196	EA	34 - 38 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	6,941.79	2,166.75
26 24 13 00-0197	EA	42 - 48 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	7,032.10	2,166.75
26 24 13 00-0198		Pull Boy, Horizontal Mounted Across Top Of Switch Board <small>(26 24 13 00-0164)</small>		
26 24 13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	582.87	152.94
26 24 13 00-0200	EA	Drilled Bottom.....	657.80	152.94
26 24 13 00-0201	EA	Cable Supports In Pull Box.....	228.12	38.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.24	
26 24 13 00-0202		Underground Pull Sections <small>(26 24 13 00-0164)</small>		
		<small>Note: Excludes no bus or terminal.</small>		
26 24 13 00-0203	EA	12 - 20" Wide, 15 - 20" Deep Underground Pull Section Without Bus Or Terminal.....	572.85	178.44
26 24 13 00-0204	EA	24 - 28" Wide, 20" Deep Underground Pull Section Without Bus Or Terminal.....	974.26	229.42
26 24 13 00-0205	EA	24 - 28" Wide, 30" Deep Underground Pull Section Without Bus Or Terminal.....	974.26	229.42
26 24 13 00-0206	EA	14 - 20" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	735.83	178.44
26 24 13 00-0207	EA	28 - 30" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	1,042.03	261.28
26 24 13 00-0208	EA	14 - 20" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	1,193.77	261.28
26 24 13 00-0209	EA	26 - 30" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	1,257.05	337.76
26 24 13 00-0210	EA	38" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	1,334.17	337.76
26 24 13 00-0211		Switchboard Sections <small>(26 24 13 00-0163)</small>		
26 24 13 00-0212	EA	600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,532.83	1,062.09
26 24 13 00-0213	EA	800 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,961.90	1,154.50
26 24 13 00-0214	EA	1,200 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	6,231.60	1,475.18
26 24 13 00-0215	EA	1,600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	6,813.99	1,609.26
26 24 13 00-0216	EA	2,000 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	7,266.00	1,713.13
26 24 13 00-0217	EA	400 Amp Switchboard Incoming For Switch Circuit Section 480 Volt.....	5,284.26	931.71
26 24 13 00-0218	EA	Distribution Section Subfeeder Lug-Rated At 200 Amp.....	3,124.60	885.06
26 24 13 00-0219	EA	Distribution Section Subfeeder Lug-Rated At 400 Amp.....	3,455.41	959.75
26 24 13 00-0220	EA	Distribution Section Aluminum Bus 120/208 Or 277/480 Volt, 4 Wire.....	5,071.62	1,062.09
26 24 13 00-0221	EA	800 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	5,495.32	1,064.89
26 24 13 00-0222	EA	1,000 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	6,056.14	1,188.91
26 24 13 00-0223	EA	15 To 60 Amp, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	180.01	63.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.92	
26 24 13 00-0224	EA	70 To 100 Amp, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	218.88	64.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.98	
26 24 13 00-0225	EA	70 To 225 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame.....	951.53	76.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.06	
26 24 13 00-0226	EA	125 To 400 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,562.85	165.06
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.94	
26 24 13 00-0227	EA	100 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	635.54	229.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.66	
26 24 13 00-0228	EA	225 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	1,726.48	132.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.06	
26 24 13 00-0229		Switchboard, Structure Per Section Copper, 480 Volt <small>(26 24 13 00-0163)</small>		
26 24 13 00-0230	EA	225 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,350.64	553.15
26 24 13 00-0231	EA	400 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	3,331.04	748.04
26 24 13 00-0232	EA	600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	3,760.22	910.41
26 24 13 00-0233	EA	800 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	4,783.30	1,274.55
26 24 13 00-0234	EA	1,200 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	5,931.84	1,593.20
26 24 13 00-0235	EA	1,600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	6,484.84	1,593.20
26 24 13 00-0236	EA	2,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	8,056.93	2,124.31
26 24 13 00-0237	EA	2,500 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	9,117.29	2,124.31
26 24 13 00-0238	EA	3,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	10,731.25	2,528.85
26 24 13 00-0239	EA	4,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	12,682.40	2,528.85
26 24 13 00-0240		Main Devices <small>(26 24 13)</small>		
26 24 13 00-0241		Power Circuit Breakers <small>(26 24 13 00-0240)</small>		
26 24 13 00-0242		DSL Breaker With Current Limiters And Amptector <small>(26 24 13 00-0241)</small>		
		<small>Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 13 00-0243	EA 50 - 800 Amp DSL-206, Main Breaker With Current Limiter, Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,053.90 801.27	1,338.29
26 24 13 00-0244	EA 50 - 1,600 Amp DSL-416, Main Breaker With Current Limiter, Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,629.44 1,336.95	2,230.48
26 24 13 00-0245	EA 1,200 - 3,200 Amp DSL-632, Main Breaker With Current Limiter, Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,530.29 2,228.25	3,747.20
26 24 13 00-0246	EA 4,000 Amp DSL-840, Main Breaker With Current Limiter, Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,466.38 3,705.11	6,066.90
26 24 13 00-0247	EA Ground-Fault Trip All Power Breakers - Factory Installed.....	2,655.31	
26 24 13 00-0248	EA Key Interlock All Power Breakers - Factory Installed.....	342.93	
26 24 13 00-0249	EA Short Time Delay Selective Trip - Factory Installed.....	449.89	
26 24 13 00-0250	EA Shunt Trip Manually Open Breakers - Factory Installed.....	324.05	
26 24 13 00-0251	DSL Breaker Electrical Operated And Amptector <small>(26 24 13 00-0241)</small>		
	Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252	EA 50 - 800 Amp DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,386.40 845.20	1,402.01
26 24 13 00-0253	EA 50 - 1,600 Amp DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,349.57 1,407.83	2,357.93
26 24 13 00-0254	EA 1,200 - 3,200 Amp DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,459.83 2,342.94	3,887.41
26 24 13 00-0255	EA 4,000 Amp DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56,468.99 3,917.70	6,372.79
26 24 13 00-0256	DS Breakers With Amptector Static Trip, Manually Operated <small>(26 24 13 00-0241)</small>		
	Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257	EA 50 - 800 Amp DS-206, Main Breaker With Groundfault, Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,462.37 735.32	1,223.58
26 24 13 00-0258	EA 50 - 1,600 Amp DS-416, Main Breaker With Groundfault, Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,760.05 1,225.54	2,052.04
26 24 13 00-0259	EA 2,000 Amp DS-420, Main Breaker With Groundfault, Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,550.92 2,042.56	3,441.31
26 24 13 00-0260	EA 1,200 - 3,200 AMP DS-632, Main Breaker With Groundfault, Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,224.00 3,401.85	5,544.33
26 24 13 00-0261	EA 4,000 Amp DS-840, Main Breaker With Groundfault, Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49,248.96 5,656.33	9,049.37
26 24 13 00-0262	DS Breakers With Amptector Static Trip, Electrically Operated <small>(26 24 13 00-0241)</small>		
	Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263	EA 50 - 800 Amp DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,535.15 701.33	1,172.60
26 24 13 00-0264	EA 50 - 1,600 Amp DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,988.06 1,168.61	1,962.82
26 24 13 00-0265	EA 2,000 Amp DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,072.01 1,950.86	3,262.87
26 24 13 00-0266	EA 1,200 - 3,200 Amp DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,143.98 3,251.42	5,314.91
26 24 13 00-0267	EA 4,000 Amp DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,014.85 5,431.36	9,113.09
26 24 13 00-0268	Molded Case Circuit Breakers Conventional <small>(26 24 13 00-0241)</small>		
26 24 13 00-0269	EA 70 - 225 Amp 3 Pole Molded Case Circuit Breaker Conventional..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,906.76 616.72	1,070.63
26 24 13 00-0270	EA 125 - 400 Amp 3 Pole Molded Case Circuit Breaker Conventional..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,128.44 670.82	1,070.63
26 24 13 00-0271	EA 300 - 600 Amp 3 Pole Molded Case Circuit Breaker Conventional..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,574.70 735.32	1,274.55
26 24 13 00-0272	EA 400 - 800 Amp 3 Pole Molded Case Circuit Breaker Conventional..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,397.16 796.60	1,274.55
26 24 13 00-0273	EA 600 - 1,200 Amp 3 Pole Molded Case Circuit Breaker Conventional..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,846.19 872.99	1,529.47
26 24 13 00-0274	EA 1,000 - 2,000 Amp 3 Pole Molded Case Circuit Breaker Conventional..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,444.54 965.57	1,529.47
26 24 13 00-0275	EA Shunt Trip, Factory Installed.....	339.78	
26 24 13 00-0276	EA Groundfault Trip Complete Interrupting Circuit, Factory Installed.....	78.65	
26 24 13 00-0277	Switchboard Branch Breaker 480 Volt <small>(26 24 13 00-0240)</small>		
26 24 13 00-0278	EA 60 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	566.86 55.42	92.40
26 24 13 00-0279	EA 100 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	672.90 73.53	122.61
26 24 13 00-0280	EA 225 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,892.59 110.77	184.56
26 24 13 00-0281	EA 400 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,497.77 138.94	231.59
26 24 13 00-0282	EA 600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,032.68 186.34	310.61
26 24 13 00-0283	EA 800 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,669.86 238.98	398.30

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0284 EA 1,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,892.21	606.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	364.16	
26 24 13 00-0285 EA 1,200 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,892.21	606.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	364.16	
26 24 13 00-0286 EA 1,600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	8,263.69	849.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	509.82	
26 24 13 00-0287 EA 2,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	10,378.52	1,274.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	764.74	
26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker <small>(26 24 13 00-0240)</small>		
26 24 13 00-0289 EA 400 Amp, Switchboard 277/480 Volt Main Breaker	6,649.44	553.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	331.92	
26 24 13 00-0290 EA 600 Amp, Switchboard 277/480 Volt Main Breaker	6,754.60	605.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	363.47	
26 24 13 00-0291 EA 800 Amp, Switchboard 277/480 Volt Main Breaker	7,363.85	910.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	546.24	
26 24 13 00-0292 EA 1,200 Amp, Switchboard 277/480 Volt Main Breaker	12,520.05	1,274.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	764.74	
26 24 13 00-0293 EA 1,600 Amp, Switchboard 277/480 Volt Main Breaker	12,777.75	1,409.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	845.95	
26 24 13 00-0294 EA 2,000 Amp, Switchboard 277/480 Volt Main Breaker	17,077.72	2,528.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,517.33	
26 24 13 00-0295 Branch Or Distribution Devices <small>(26 24 13)</small>		
26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers <small>(26 24 13 00-0295)</small>		
<i>Note: Includes certified refurbished circuit breakers.</i>		
26 24 13 00-0297 EA 15 - 60 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	404.23	45.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	30.59	
26 24 13 00-0298 EA 70 - 100 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	419.14	57.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	38.24	
26 24 13 00-0299 EA 125 - 150 Amp, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	940.08	68.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	45.88	
26 24 13 00-0300 EA 70 - 225 Amp, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,352.41	89.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	59.27	
26 24 13 00-0301 EA 125 - 400 Amp, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,891.67	110.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	73.42	
26 24 13 00-0302 EA 300 - 600 Amp, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,462.59	128.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	86.03	
26 24 13 00-0303 EA 900 - 1,000 Amp, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	3,708.43	145.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	97.12	
26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers <small>(26 24 13 00-0295)</small>		
<i>Note: Includes certified refurbished circuit breakers.</i>		
26 24 13 00-0305 EA 15 - 60 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	281.29	34.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	22.94	
26 24 13 00-0306 EA 70 - 100 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	363.07	45.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	30.59	
26 24 13 00-0307 EA 125 - 150 Amp, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	925.64	57.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	38.24	
26 24 13 00-0308 EA 70 - 225 Amp, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,439.08	63.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	42.06	
26 24 13 00-0309 EA 125 - 400 Amp, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,537.05	82.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	55.44	
26 24 13 00-0310 EA 900 - 1,000 Amp, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	3,416.19	120.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	80.30	
26 24 13 00-0311 Meter Devices And Instrumentation <small>(26 24 13)</small>		
<i>Note: Factory installed accessories.</i>		
26 24 13 00-0312 Instrument Transformers And Metering Compartments <small>(26 24 13 00-0311)</small>		
26 24 13 00-0313 EA 800 Amp And Below Primary Current Transformer, With Compartment.....	410.57	
26 24 13 00-0314 EA 1,000 - 1,500 Amp Primary Current Transformer, With Compartment.....	593.04	
26 24 13 00-0315 EA 2,000 - 6,000 Amp Primary Current Transformer, With Compartment.....	698.44	
26 24 13 00-0316 EA Potential Transformer With 200 VA Max.....	503.38	
26 24 13 00-0317 EA 5 To 800 Amp, Three Current Transformers.....	1,787.98	
26 24 13 00-0318 EA 1,000 To 1,500 Amp, Three Current Transformers.....	3,164.11	
26 24 13 00-0319 EA 2,000 To 4,000 Amp, Three Current Transformers.....	4,117.23	
26 24 13 00-0320 Instruments <small>(26 24 13 00-0311)</small>		
26 24 13 00-0321 EA AC Voltmeter	560.01	
26 24 13 00-0322 EA AC Ammeter	560.01	
26 24 13 00-0323 EA AC Wattmeter	1,495.97	
26 24 13 00-0324 EA Variometer	1,689.46	
26 24 13 00-0325 EA Power Factor Meter	1,349.68	
26 24 13 00-0326 EA Frequency Meter.....	1,489.68	
26 24 13 00-0327 EA AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	1,895.53	
26 24 13 00-0328 EA AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,171.28	
26 24 13 00-0329 EA Weatherproof, Modify Meter	3,146.73	
26 24 13 00-0330 EA Control Switch Resistor Type 130 V.....	76.26	
26 24 13 00-0331 EA Metering Instrument Volt, Amp And Watt Hour	3,825.36	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**26 24 16 Panelboards (26 24)**

26 24 16 00-0001	EA	Branch Circuit Panelboard (26 24 16) Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002	EA	Assembled Lighting And Power Panelboards (26 24 16 00-0001) Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003	EA	120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0004	EA	100 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	1,260.10	363.25
		For NEMA 3R Panelboard, Add	845.98	
26 24 16 00-0005	EA	100 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,438.58	363.25
		For NEMA 3R Panelboard, Add	845.98	
26 24 16 00-0006	EA	100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,638.80	503.45
		For NEMA 3R Panelboard, Add	845.98	
26 24 16 00-0007	EA	100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,839.96	503.45
		For NEMA 3R Panelboard, Add	845.98	
26 24 16 00-0008	EA	100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	2,030.47	630.91
		For NEMA 3R Panelboard, Add	845.98	
26 24 16 00-0009	EA	100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	2,225.87	630.91
		For NEMA 3R Panelboard, Add	845.98	
26 24 16 00-0010	EA	100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	2,414.35	726.50
		For NEMA 3R Panelboard, Add	845.98	
26 24 16 00-0011	EA	125 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	2,666.93	879.45
		For NEMA 3R Panelboard, Add	845.98	
26 24 16 00-0012	EA	200 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,712.04	1,235.05
		For Door-In-Door (Hinged) Trim Front, Add	116.10	
26 24 16 00-0013	EA	225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,908.29	930.42
		For NEMA 3R Panelboard, Add	930.34	
		For Door-In-Door (Hinged) Trim Front, Add	67.98	
26 24 16 00-0014	EA	225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	3,066.91	930.42
		For NEMA 3R Panelboard, Add	930.34	
		For Door-In-Door (Hinged) Trim Front, Add	67.98	
26 24 16 00-0015	EA	225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	3,220.24	1,064.26
		For NEMA 3R Panelboard, Add	930.34	
		For Door-In-Door (Hinged) Trim Front, Add	67.98	
26 24 16 00-0016	EA	225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,466.10	1,064.26
		For NEMA 3R Panelboard, Add	1,098.96	
		For Door-In-Door (Hinged) Trim Front, Add	116.10	
26 24 16 00-0017	EA	225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,616.31	1,198.08
		For NEMA 3R Panelboard, Add	1,098.96	
		For Door-In-Door (Hinged) Trim Front, Add	116.10	
26 24 16 00-0018	EA	225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,842.23	1,198.08
		For NEMA 3R Panelboard, Add	1,098.96	
		For Door-In-Door (Hinged) Trim Front, Add	116.10	
26 24 16 00-0019	EA	225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,983.75	1,325.54
		For NEMA 3R Panelboard, Add	1,098.96	
		For Door-In-Door (Hinged) Trim Front, Add	116.10	
26 24 16 00-0020	EA	225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,206.42	1,325.54
		For NEMA 3R Panelboard, Add	1,098.96	
		For Door-In-Door (Hinged) Trim Front, Add	116.10	
26 24 16 00-0021	EA	225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,414.79	1,465.74
		For NEMA 3R Panelboard, Add	1,098.96	
		For Door-In-Door (Hinged) Trim Front, Add	116.10	
26 24 16 00-0022	EA	225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	4,555.67	1,465.74
		For NEMA 3R Panelboard, Add	1,143.79	
		For Door-In-Door (Hinged) Trim Front, Add	148.39	
26 24 16 00-0023	EA	225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	4,769.36	1,465.74
		For NEMA 3R Panelboard, Add	1,143.79	
		For Door-In-Door (Hinged) Trim Front, Add	148.39	
26 24 16 00-0024	EA	120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0025	EA	50 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	1,471.21	350.50
		For NEMA 3R Panelboard, Add	845.98	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0026	EA 50 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	1,652.47	350.50	
	<i>For NEMA 3R Panelboard, Add</i>	845.98		
26 24 16 00-0027	EA 100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	2,077.82	599.04	
	<i>For NEMA 3R Panelboard, Add</i>	845.98		
26 24 16 00-0028	EA 100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	2,353.77	599.04	
	<i>For NEMA 3R Panelboard, Add</i>	845.98		
26 24 16 00-0029	EA 100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	2,548.02	732.87	
	<i>For NEMA 3R Panelboard, Add</i>	845.98		
26 24 16 00-0030	EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,750.95	732.87	
	<i>For NEMA 3R Panelboard, Add</i>	845.98		
26 24 16 00-0031	EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,930.46	879.45	
	<i>For NEMA 3R Panelboard, Add</i>	845.98		
26 24 16 00-0032	EA 225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity	3,539.19	879.45	
	<i>For NEMA 3R Panelboard, Add</i>	930.34		
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98		
26 24 16 00-0033	EA 225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity	3,700.40	1,077.00	
	<i>For NEMA 3R Panelboard, Add</i>	930.34		
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98		
26 24 16 00-0034	EA 225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity	3,876.08	1,077.00	
	<i>For NEMA 3R Panelboard, Add</i>	930.34		
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98		
26 24 16 00-0035	EA 225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,069.10	1,210.83	
	<i>For NEMA 3R Panelboard, Add</i>	1,098.96		
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10		
26 24 16 00-0036	EA 225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,224.40	1,210.83	
	<i>For NEMA 3R Panelboard, Add</i>	1,098.96		
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10		
26 24 16 00-0037	EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,390.41	1,325.54	
	<i>For NEMA 3R Panelboard, Add</i>	1,098.96		
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10		
26 24 16 00-0038	EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,568.76	1,325.54	
	<i>For NEMA 3R Panelboard, Add</i>	1,098.96		
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10		
26 24 16 00-0039	EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,761.49	1,567.71	
	<i>For NEMA 3R Panelboard, Add</i>	1,098.96		
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10		
26 24 16 00-0040	EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,971.04	1,567.71	
	<i>For NEMA 3R Panelboard, Add</i>	1,098.96		
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10		
26 24 16 00-0041	EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	5,200.46	1,567.71	
	<i>For NEMA 3R Panelboard, Add</i>	1,143.79		
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39		
26 24 16 00-0042	EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	5,340.77	1,656.93	
	<i>For NEMA 3R Panelboard, Add</i>	1,143.79		
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39		
26 24 16 00-0043	120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>			
26 24 16 00-0044	EA 100 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	1,515.41	414.23	
	<i>For NEMA 3R Panelboard, Add</i>	845.98		
26 24 16 00-0045	EA 100 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,706.44	414.23	
	<i>For NEMA 3R Panelboard, Add</i>	845.98		
26 24 16 00-0046	EA 100 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,922.15	554.44	
	<i>For NEMA 3R Panelboard, Add</i>	845.98		
26 24 16 00-0047	EA 100 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,147.22	554.44	
	<i>For NEMA 3R Panelboard, Add</i>	845.98		
26 24 16 00-0048	EA 100 Amp Rating, 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,349.97	681.89	
	<i>For NEMA 3R Panelboard, Add</i>	845.98		
26 24 16 00-0049	EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	2,567.07	681.89	
	<i>For NEMA 3R Panelboard, Add</i>	845.98		
26 24 16 00-0050	EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	2,770.76	809.35	
	<i>For NEMA 3R Panelboard, Add</i>	845.98		
26 24 16 00-0051	EA 100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,984.52	809.35	
	<i>For NEMA 3R Panelboard, Add</i>	930.34		
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0052	EA		100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	3,179.72 930.34	949.54
			<i>For NEMA 3R Panelboard, Add</i>	67.98	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0053	EA		100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	3,404.47 930.34	949.54
			<i>For NEMA 3R Panelboard, Add</i>	67.98	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0054	EA		100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	3,636.46 930.34	1,096.13
			<i>For NEMA 3R Panelboard, Add</i>	67.98	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0055	EA		100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	3,861.16 930.34	1,096.13
			<i>For NEMA 3R Panelboard, Add</i>	67.98	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0056	EA		200 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,436.42 1,098.96	1,397.55
			<i>For NEMA 3R Panelboard, Add</i>	116.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0057	EA		225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,319.49 1,098.96	1,325.54
			<i>For NEMA 3R Panelboard, Add</i>	116.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0058	EA		225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,478.82 1,098.96	1,325.54
			<i>For NEMA 3R Panelboard, Add</i>	116.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0059	EA		225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,739.21 1,098.96	1,472.11
			<i>For NEMA 3R Panelboard, Add</i>	116.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0060	EA		225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,980.31 1,098.96	1,472.11
			<i>For NEMA 3R Panelboard, Add</i>	116.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0061	EA		225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	5,146.61 1,143.79	1,605.95
			<i>For NEMA 3R Panelboard, Add</i>	148.39	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0062	EA		225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	5,392.42 1,143.79	1,605.95
			<i>For NEMA 3R Panelboard, Add</i>	148.39	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0063	EA		400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	5,183.79 1,098.96	1,424.95
			<i>For NEMA 3R Panelboard, Add</i>	116.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0064	EA		400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	5,359.39 1,098.96	1,497.61
			<i>For NEMA 3R Panelboard, Add</i>	116.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0065	EA		400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	5,632.37 1,098.96	1,577.27
			<i>For NEMA 3R Panelboard, Add</i>	116.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0066	EA		400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	5,892.96 1,098.96	1,669.67
			<i>For NEMA 3R Panelboard, Add</i>	116.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0067	EA		400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	6,070.70 1,143.79	1,720.65
			<i>For NEMA 3R Panelboard, Add</i>	148.39	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0068	EA		400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	6,364.35 1,143.79	1,825.81
			<i>For NEMA 3R Panelboard, Add</i>	148.39	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0069			120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0062)		
26 24 16 00-0070	EA		50 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	1,775.16 845.98	401.48
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0071	EA		50 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	1,968.79 845.98	401.48
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0072	EA		50 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	2,196.36 845.98	528.94
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0073	EA		50 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	2,502.46 845.98	528.94
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0074	EA		100 Amp Rating 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	2,988.92 845.98	796.60
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0075	EA		100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	3,186.24 845.98	796.60
			<i>For NEMA 3R Panelboard, Add</i>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0076 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,401.52 845.98	930.42
26 24 16 00-0077 EA 100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,583.02 930.34 67.98	930.42
26 24 16 00-0078 EA 100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,823.57 930.34 67.98	1,077.00
26 24 16 00-0079 EA 100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,992.27 930.34 67.98	1,077.00
26 24 16 00-0080 EA 100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,255.36 930.34 67.98	1,210.83
26 24 16 00-0081 EA 100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,478.32 930.34 67.98	1,210.83
26 24 16 00-0082 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,246.81 1,098.96 116.10	1,402.01
26 24 16 00-0083 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,484.00 1,098.96 116.10	1,478.49
26 24 16 00-0084 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,587.82 1,098.96 116.10	1,478.49
26 24 16 00-0085 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,855.60 1,098.96 116.10	1,669.67
26 24 16 00-0086 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,038.09 1,143.79 148.39	1,669.67
26 24 16 00-0087 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,164.69 1,143.79 148.39	1,669.67
26 24 16 00-0088 EA 400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,138.12 1,098.96 116.10	1,535.85
26 24 16 00-0089 EA 400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,398.81 1,098.96 116.10	1,625.06
26 24 16 00-0090 EA 400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,506.43 1,098.96 116.10	1,669.67
26 24 16 00-0091 EA 400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,796.30 1,098.96 116.10	1,771.64
26 24 16 00-0092 EA 400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,978.04 1,143.79 148.39	1,822.62
26 24 16 00-0093 EA 400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,154.60 1,143.79 148.39	1,886.35
26 24 16 00-0094 480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0095 EA 100 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	1,691.90 845.98	407.86
26 24 16 00-0096 EA 100 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	1,941.56 845.98	407.86
26 24 16 00-0097 EA 100 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,180.28 845.98	560.81
26 24 16 00-0098 EA 100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,429.90 845.98	560.81
26 24 16 00-0099 EA 100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,661.67 845.98	701.01

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 16 00-0100	EA 100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i>	2,906.73 845.98	701.01
26 24 16 00-0101	EA 100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i>	3,163.11 845.98	847.58
26 24 16 00-0102	EA 100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i>	3,396.80 930.34 67.98	847.58
26 24 16 00-0103	EA 100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,655.26 930.34 67.98	1,006.91
26 24 16 00-0104	EA 100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,904.24 930.34 67.98	1,006.91
26 24 16 00-0105	EA 100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,131.93 930.34 67.98	1,147.10
26 24 16 00-0106	EA 100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,376.96 930.34 67.98	1,147.10
26 24 16 00-0107	EA 225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,907.44 1,098.96 116.10	1,395.64
26 24 16 00-0108	EA 225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,152.18 1,098.96 116.10	1,395.64
26 24 16 00-0109	EA 225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,413.74 1,098.96 116.10	1,529.47
26 24 16 00-0110	EA 225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,600.52 1,098.96 116.10	1,529.47
26 24 16 00-0111	EA 225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,893.28 1,143.79 148.39	1,688.79
26 24 16 00-0112	EA 225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,097.88 1,143.79 148.39	1,688.79
26 24 16 00-0113	480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0114	EA 50 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i>	2,142.07 845.98	433.35
26 24 16 00-0115	EA 50 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i>	2,385.68 845.98	471.59
26 24 16 00-0116	EA 50 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i>	2,632.15 845.98	586.29
26 24 16 00-0117	EA 100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i>	3,169.15 845.98	713.75
26 24 16 00-0118	EA 100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i>	3,406.35 845.98	790.23
26 24 16 00-0119	EA 100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i>	3,621.16 845.98	853.95
26 24 16 00-0120	EA 100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i>	3,859.52 845.98	930.42
26 24 16 00-0121	EA 100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,088.30 930.34 67.98	1,006.91
26 24 16 00-0122	EA 100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,296.25 930.34 67.98	1,070.63
26 24 16 00-0123	EA 100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,520.52 930.34 67.98	1,134.36
26 24 16 00-0124	EA 100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,764.51 930.34 67.98	1,210.83

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0125 EA 100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,032.65 930.34 67.98	1,306.42
26 24 16 00-0126 EA 225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,270.23 1,098.96 116.10	1,452.99
26 24 16 00-0127 EA 225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,526.69 1,098.96 116.10	1,542.21
26 24 16 00-0128 EA 225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,704.41 1,098.96 116.10	1,580.45
26 24 16 00-0129 EA 225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,994.79 1,098.96 116.10	1,682.42
26 24 16 00-0130 EA 225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,191.89 1,143.79 148.39	1,746.14
26 24 16 00-0131 EA 225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,396.87 1,143.79 148.39	1,800.95
26 24 16 00-0132 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0133 EA 100 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,044.13 845.98	446.10
26 24 16 00-0134 EA 100 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,319.47 845.98	446.10
26 24 16 00-0135 EA 100 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,587.05 845.98	592.67
26 24 16 00-0136 EA 100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,857.02 845.98	592.67
26 24 16 00-0137 EA 100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,131.76 845.98	732.87
26 24 16 00-0138 EA 100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,400.32 845.98	732.87
26 24 16 00-0139 EA 100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,673.70 845.98	879.45
26 24 16 00-0140 EA 100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,945.82 930.34 67.98	879.45
26 24 16 00-0141 EA 100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,245.36 930.34 67.98	1,032.39
26 24 16 00-0142 EA 100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,492.38 930.34 67.98	1,032.39
26 24 16 00-0143 EA 100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,754.75 930.34 67.98	1,038.76
26 24 16 00-0144 EA 100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,035.61 930.34 67.98	1,038.76
26 24 16 00-0145 EA 200 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,852.97 116.10	1,517.36
26 24 16 00-0146 EA 225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,743.53 1,098.96 116.10	1,440.26
26 24 16 00-0147 EA 225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,030.45 1,098.96 116.10	1,440.26
26 24 16 00-0148 EA 225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,246.42 1,098.96 116.10	1,516.73

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 16 00-0149	EA 225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,561.99 1,098.96 116.10	1,618.69
26 24 16 00-0150	EA 225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,794.22 1,143.79 148.39	1,618.69
26 24 16 00-0151	EA 225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,147.15 1,143.79 148.39	1,771.64
26 24 16 00-0152	277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0153	EA 50 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i>	2,645.59 845.98	548.06
26 24 16 00-0154	EA 50 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i>	2,928.01 845.98	548.06
26 24 16 00-0155	EA 50 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i>	3,198.88 845.98	726.50
26 24 16 00-0156	EA 100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i>	3,813.70 845.98	726.50
26 24 16 00-0157	EA 100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i>	4,077.39 845.98	917.69
26 24 16 00-0158	EA 100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i>	4,340.62 845.98	917.69
26 24 16 00-0159	EA 100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i>	4,594.27 845.98	1,051.51
26 24 16 00-0160	EA 100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,827.09 930.34 67.98	1,051.51
26 24 16 00-0161	EA 100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,076.22 930.34 67.98	1,198.08
26 24 16 00-0162	EA 100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,345.06 930.34 67.98	1,198.08
26 24 16 00-0163	EA 100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,573.33 930.34 67.98	1,325.54
26 24 16 00-0164	EA 100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,813.94 930.34 67.98	1,325.54
26 24 16 00-0165	EA 225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,516.49 1,098.96 116.10	1,567.71
26 24 16 00-0166	EA 225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,812.30 1,098.96 116.10	1,567.71
26 24 16 00-0167	EA 225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,024.79 1,098.96 116.10	1,714.28
26 24 16 00-0168	EA 225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,357.99 1,098.96 116.10	1,714.28
26 24 16 00-0169	EA 225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,591.98 1,143.79 148.39	1,873.60
26 24 16 00-0170	EA 225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,834.69 1,143.79 148.39	1,873.60
26 24 16 00-0171	EA 400 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	10,433.43 1,143.79 148.39	2,086.46
26 24 16 00-0172	EA 600 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >400 To 600 Amp Main Breaker, 54 Circuit Capacity..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	12,689.21 1,143.79 148.39	2,504.50

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

26 24 16 00-0173		Unassembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device).		
26 24 16 00-0174		240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0173)</small> Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
26 24 16 00-0175		Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0174)</small>		
26 24 16 00-0176	EA	100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	636.62	
26 24 16 00-0177	EA	100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	734.59	
26 24 16 00-0178	EA	225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,009.42	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0179	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,166.95	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0180	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,322.28	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0181	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,482.92	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0182	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,611.61	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0183	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,766.79	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0184	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,954.88	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0185	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,084.16	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0186	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,281.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0187		Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0174)</small>		
26 24 16 00-0188	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	949.68	
26 24 16 00-0189	EA	100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,079.48	
26 24 16 00-0190	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,736.62	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0191	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,932.39	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0192	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,118.17	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0193	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,620.87	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0194	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,849.38	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0195	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	4,053.42	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0196		Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0174)</small>		
26 24 16 00-0197	EA	100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,263.87	
26 24 16 00-0198	EA	100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,354.67	
26 24 16 00-0199	EA	225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,614.56	
26 24 16 00-0200	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,769.11	
26 24 16 00-0201	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,913.08	
26 24 16 00-0202	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,189.61	
26 24 16 00-0203	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,310.54	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 24 16 00-0204	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard		2,458.55	
26 24 16 00-0205	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard		2,701.60	
26 24 16 00-0206	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard		2,826.28	
26 24 16 00-0207	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard		3,012.39	
26 24 16 00-0208		Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0174)</small>			
26 24 16 00-0209	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard		1,569.76	
26 24 16 00-0210	EA	100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard		1,691.79	
26 24 16 00-0211	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard		2,457.66	
26 24 16 00-0212	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard		2,639.09	
26 24 16 00-0213	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard		2,814.11	
26 24 16 00-0214	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard		4,301.88	
26 24 16 00-0215	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard		4,523.22	
26 24 16 00-0216	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard		4,725.46	
26 24 16 00-0217		240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0173)</small>			
		Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers			
26 24 16 00-0218		Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0217)</small>			
26 24 16 00-0219	EA	100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard		719.23	
26 24 16 00-0220	EA	100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard		847.44	
26 24 16 00-0221	EA	100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard		957.07	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		67.98	
26 24 16 00-0222	EA	225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard		1,090.09	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		67.98	
26 24 16 00-0223	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard		1,255.88	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		116.10	
26 24 16 00-0224	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard		1,392.41	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		148.39	
26 24 16 00-0225	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard		1,606.55	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		67.98	
26 24 16 00-0226	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard		1,733.13	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		116.10	
26 24 16 00-0227	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard		1,873.90	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		148.39	
26 24 16 00-0228	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard		2,091.65	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		67.98	
26 24 16 00-0229	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard		2,304.68	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		116.10	
26 24 16 00-0230	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard		2,715.41	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		148.39	
26 24 16 00-0231		Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0217)</small>			
26 24 16 00-0232	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard		1,111.79	
26 24 16 00-0233	EA	100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard		1,255.11	
26 24 16 00-0234	EA	100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard		1,453.84	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		67.98	
26 24 16 00-0235	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard		2,139.49	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		67.98	
26 24 16 00-0236	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard		2,318.77	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		116.10	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 24 16 00-0237	EA		225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,491.14 148.39	
	26 24 16 00-0238	EA		400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,428.21 67.98	
	26 24 16 00-0239	EA		400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,642.49 116.10	
	26 24 16 00-0240	EA		400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,819.46 148.39	
26 24 16 00-0241				Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0217)</small>		
	26 24 16 00-0242	EA		100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,346.48	
	26 24 16 00-0243	EA		100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,467.52	
	26 24 16 00-0244	EA		100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,569.38	
	26 24 16 00-0245	EA		225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,695.23	
	26 24 16 00-0246	EA		225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,858.03	
	26 24 16 00-0247	EA		225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,983.22	
	26 24 16 00-0248	EA		400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,313.25	
	26 24 16 00-0249	EA		400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,432.06	
	26 24 16 00-0250	EA		400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,565.66	
	26 24 16 00-0251	EA		600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,838.37	
	26 24 16 00-0252	EA		600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,037.66	
	26 24 16 00-0253	EA		600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,448.39	
26 24 16 00-0254				Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0217)</small>		
	26 24 16 00-0255	EA		100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,731.86	
	26 24 16 00-0256	EA		100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,867.43	
	26 24 16 00-0257	EA		100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,061.97	
	26 24 16 00-0258	EA		225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,860.53	
	26 24 16 00-0259	EA		225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,025.46	
	26 24 16 00-0260	EA		225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,187.08	
	26 24 16 00-0261	EA		400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	4,735.51	
	26 24 16 00-0262	EA		400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	4,956.00	
	26 24 16 00-0263	EA		400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	5,143.48	
26 24 16 00-0264				480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0173)</small> Note: As manufactured by Square D or equal.		
26 24 16 00-0265				Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0264)</small>		
	26 24 16 00-0266	EA		125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,019.14	
	26 24 16 00-0267	EA		125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,122.29	
	26 24 16 00-0268	EA		250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,556.00	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
	26 24 16 00-0269	EA		250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,738.02	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
	26 24 16 00-0270	EA		250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,895.77	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
	26 24 16 00-0271	EA		400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,903.36	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
	26 24 16 00-0272	EA		400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,009.72	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0273	EA		400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,185.56	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0274	EA		600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,344.97	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0275	EA		600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,514.00	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0276	EA		600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,748.15	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0277			Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0264)</small>		
26 24 16 00-0278	EA		100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,067.96	
26 24 16 00-0279	EA		100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,133.06	
26 24 16 00-0280	EA		125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,317.21	
26 24 16 00-0281	EA		125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,445.97	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0282	EA		125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,710.79	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0283	EA		250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,520.88	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0284	EA		250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,681.70	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0285	EA		250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,890.92	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0286	EA		400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,035.85	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0287	EA		400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,263.28	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0288	EA		400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,466.94	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0289			Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0264)</small>		
26 24 16 00-0290	EA		125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,624.88	
26 24 16 00-0291	EA		125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,728.03	
26 24 16 00-0292	EA		250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,147.40	
26 24 16 00-0293	EA		250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,433.37	
26 24 16 00-0294	EA		250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,579.17	
26 24 16 00-0295	EA		400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,586.76	
26 24 16 00-0296	EA		400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,675.19	
26 24 16 00-0297	EA		400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,825.35	
26 24 16 00-0298	EA		600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,044.50	
26 24 16 00-0299	EA		600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,198.96	
26 24 16 00-0300	EA		600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,401.79	
26 24 16 00-0301			Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0264)</small>		
26 24 16 00-0302	EA		100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,802.73	
26 24 16 00-0303	EA		100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,867.83	
26 24 16 00-0304	EA		125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,913.99	
26 24 16 00-0305	EA		125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,037.38	
26 24 16 00-0306	EA		125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,406.14	

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

26 24 16 00-0307	EA	250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,204.28
26 24 16 00-0308	EA	250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,347.18
26 24 16 00-0309	EA	250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,530.71
26 24 16 00-0310	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,675.64
26 24 16 00-0311	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,886.71
26 24 16 00-0312	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,087.93

26 24 16 00-0313 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0173)
 Note: As manufactured by Square D or equal.

26 24 16 00-0314 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0313)

26 24 16 00-0315	EA	125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,059.77
26 24 16 00-0316	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,163.51
26 24 16 00-0317	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,348.35
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>67.98</i>
26 24 16 00-0318	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,615.78
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>67.98</i>
26 24 16 00-0319	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,799.12
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>116.10</i>
26 24 16 00-0320	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,955.74
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>148.39</i>
26 24 16 00-0321	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,982.30
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>67.98</i>
26 24 16 00-0322	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	2,107.68
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>116.10</i>
26 24 16 00-0323	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	2,282.16
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>148.39</i>
26 24 16 00-0324	EA	600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	2,441.71
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>67.98</i>
26 24 16 00-0325	EA	600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	2,611.73
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>116.10</i>
26 24 16 00-0326	EA	600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	2,846.83
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>148.39</i>

26 24 16 00-0327 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0313)

26 24 16 00-0328	EA	100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,277.04
26 24 16 00-0329	EA	100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,342.74
26 24 16 00-0330	EA	100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,540.11
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>67.98</i>
26 24 16 00-0331	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,604.63
26 24 16 00-0332	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,733.87
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>67.98</i>
26 24 16 00-0333	EA	125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,998.06
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>116.10</i>
26 24 16 00-0334	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,857.94
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>67.98</i>
26 24 16 00-0335	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	4,020.69
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>116.10</i>
26 24 16 00-0336	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	4,227.71
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>148.39</i>
26 24 16 00-0337	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	4,439.75
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>67.98</i>
26 24 16 00-0338	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	4,669.26
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>116.10</i>
26 24 16 00-0339	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	4,872.87
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>148.39</i>

26 24 16 00-0340 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0313)

26 24 16 00-0341	EA	125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,665.51
26 24 16 00-0342	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,769.25
26 24 16 00-0343	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,945.13
26 24 16 00-0344	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,207.18
26 24 16 00-0345	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,494.47
26 24 16 00-0346	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,639.14
26 24 16 00-0347	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,667.49
26 24 16 00-0348	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,773.16

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 16 00-0349	EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	2,921.95	
26 24 16 00-0350	EA 600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	3,141.24	
26 24 16 00-0351	EA 600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	3,296.33	
26 24 16 00-0352	EA 600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	3,499.17	
26 24 16 00-0353	Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0313)</small>		
26 24 16 00-0354	EA 100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,868.44	
26 24 16 00-0355	EA 100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,934.14	
26 24 16 00-0356	EA 100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,235.46	
26 24 16 00-0357	EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,201.41	
26 24 16 00-0358	EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,325.27	
26 24 16 00-0359	EA 125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,693.41	
26 24 16 00-0360	EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,541.34	
26 24 16 00-0361	EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,686.17	
26 24 16 00-0362	EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,867.50	
26 24 16 00-0363	EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	5,079.54	
26 24 16 00-0364	EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	5,292.33	
26 24 16 00-0365	EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	5,492.95	
26 24 16 00-0366	Branch Circuit Breakers <small>(26 24 16 00-0001)</small>		
	Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.		
26 24 16 00-0367	Branch Circuit Breakers 10,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0366)</small>		
	Note: Includes connection of electrical wire.		
26 24 16 00-0368	EA 1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	57.89	22.94
	For Bolt-On, Add	16.16	
	For Installation In New Panelboard, Deduct	-12.75	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.29	
26 24 16 00-0369	EA 1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	57.89	22.94
	For Bolt-On, Add	16.16	
	For Installation In New Panelboard, Deduct	-12.75	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.29	
26 24 16 00-0370	EA 1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	79.67	28.68
	For Bolt-On, Add	21.11	
	For Installation In New Panelboard, Deduct	-15.93	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.12	
26 24 16 00-0371	EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	104.51	28.04
	For Bolt-On, Add	23.77	
	For Installation In New Panelboard, Deduct	-15.30	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.35	
26 24 16 00-0372	EA 1 Pole GFI, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amp Interrupting Capacity.....	135.84	28.04
	For Bolt-On, Add	27.69	
	For Installation In New Panelboard, Deduct	-15.30	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.35	
26 24 16 00-0373	EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity.....	153.70	28.04
	For Bolt-On, Add	29.92	
	For Installation In New Panelboard, Deduct	-15.30	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.35	
26 24 16 00-0374	EA 1 Pole GFI, 120/240 Volt, 15-20 Amp, "Arc Fault" Circuit Breaker, 10,000 Amp Interrupting Capacity.....	87.25	28.04
	For Bolt-On, Add	21.61	
	For Installation In New Panelboard, Deduct	-15.30	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.35	
26 24 16 00-0375	EA 2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	92.41	34.41
	For Bolt-On, Add	24.93	
	For Installation In New Panelboard, Deduct	-19.12	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.94	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	26 24	16 00-0376	EA	2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	92.41	34.41	
				<i>For Bolt-On, Add</i>	24.93		
				<i>For Installation In New Panelboard, Deduct</i>	-19.12		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.94		
	26 24	16 00-0377	EA	2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	133.84	45.89	
				<i>For Bolt-On, Add</i>	34.57		
				<i>For Installation In New Panelboard, Deduct</i>	-25.49		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59		
	26 24	16 00-0378	EA	2 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	204.50	57.35	
				<i>For Bolt-On, Add</i>	47.87		
				<i>For Installation In New Panelboard, Deduct</i>	-31.87		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24		
	26 24	16 00-0379	EA	2 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	236.88	63.73	
				<i>For Bolt-On, Add</i>	54.15		
				<i>For Installation In New Panelboard, Deduct</i>	-35.05		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.06		
	26 24	16 00-0380	EA	2 Pole GFI, 120/240 Volt, 15-50 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	189.62	40.79	
				<i>For Bolt-On, Add</i>	39.76		
				<i>For Installation In New Panelboard, Deduct</i>	-22.94		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.53		
	26 24	16 00-0381	EA	2 Pole, GFI, 120/240 Volt, 15-50 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity.....	240.87	40.79	
				<i>For Bolt-On, Add</i>	46.17		
				<i>For Installation In New Panelboard, Deduct</i>	-22.94		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.53		
	26 24	16 00-0382	EA	3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	157.75	45.89	
				<i>For Bolt-On, Add</i>	37.56		
				<i>For Installation In New Panelboard, Deduct</i>	-25.49		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59		
	26 24	16 00-0383	EA	3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	157.75	45.89	
				<i>For Bolt-On, Add</i>	37.56		
				<i>For Installation In New Panelboard, Deduct</i>	-25.49		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59		
	26 24	16 00-0384	EA	3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	204.19	57.35	
				<i>For Bolt-On, Add</i>	47.83		
				<i>For Installation In New Panelboard, Deduct</i>	-31.87		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24		
	26 24	16 00-0385	EA	3 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	292.34	68.83	
				<i>For Bolt-On, Add</i>	63.31		
				<i>For Installation In New Panelboard, Deduct</i>	-38.24		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.88		
	26 24	16 00-0386	EA	3 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	366.06	80.30	
				<i>For Bolt-On, Add</i>	76.98		
				<i>For Installation In New Panelboard, Deduct</i>	-44.61		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.53		
	26 24	16 00-0387	Branch Circuit Breakers 14,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0386)</small>				
				<i>Note: Includes connection of electrical wire.</i>			
	26 24	16 00-0388	EA	1 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	74.12	22.94	
				<i>For Bolt-On, Add</i>	18.19		
				<i>For Installation In New Panelboard, Deduct</i>	-12.75		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29		
	26 24	16 00-0389	EA	1 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	74.12	22.94	
				<i>For Bolt-On, Add</i>	18.19		
				<i>For Installation In New Panelboard, Deduct</i>	-12.75		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29		
	26 24	16 00-0390	EA	1 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	121.16	28.68	
				<i>For Bolt-On, Add</i>	26.30		
				<i>For Installation In New Panelboard, Deduct</i>	-15.93		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.12		
	26 24	16 00-0391	EA	1 Pole GFI, 277/480 Volt, 15-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	171.29	28.04	
				<i>For Bolt-On, Add</i>	32.12		
				<i>For Installation In New Panelboard, Deduct</i>	-15.30		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.35		
	26 24	16 00-0392	EA	2 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	135.14	34.41	
				<i>For Bolt-On, Add</i>	30.27		
				<i>For Installation In New Panelboard, Deduct</i>	-19.12		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.94		
	26 24	16 00-0393	EA	2 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	135.14	34.41	
				<i>For Bolt-On, Add</i>	30.27		
				<i>For Installation In New Panelboard, Deduct</i>	-19.12		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.94		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 16 00-0394	EA 2 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	246.12	45.89
	For Bolt-On, Add	48.61	
	For Installation In New Panelboard, Deduct	-25.49	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.59	
26 24 16 00-0395	EA 2 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	330.59	57.35
	For Bolt-On, Add	63.63	
	For Installation In New Panelboard, Deduct	-31.87	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.24	
26 24 16 00-0396	EA 2 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	466.39	63.73
	For Bolt-On, Add	82.83	
	For Installation In New Panelboard, Deduct	-35.05	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.06	
26 24 16 00-0397	EA 3 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	207.33	45.89
	For Bolt-On, Add	43.76	
	For Installation In New Panelboard, Deduct	-25.49	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.59	
26 24 16 00-0398	EA 3 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	207.33	45.89
	For Bolt-On, Add	43.76	
	For Installation In New Panelboard, Deduct	-25.49	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.59	
26 24 16 00-0399	EA 3 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	299.76	57.35
	For Bolt-On, Add	59.78	
	For Installation In New Panelboard, Deduct	-31.87	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.24	
26 24 16 00-0400	EA 3 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	414.75	68.83
	For Bolt-On, Add	78.61	
	For Installation In New Panelboard, Deduct	-38.24	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.88	
26 24 16 00-0401	EA 3 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	618.18	80.30
	For Bolt-On, Add	108.50	
	For Installation In New Panelboard, Deduct	-44.61	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.53	
26 24 16 00-0402	EA 3 Pole, 277/480 Volt, 175 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	707.32	86.04
	For Bolt-On, Add	121.87	
	For Installation In New Panelboard, Deduct	-47.80	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.36	
26 24 16 00-0403	EA 3 Pole, 277/480 Volt, 200 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	759.28	91.76
	For Bolt-On, Add	130.60	
	For Installation In New Panelboard, Deduct	-50.98	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.18	
26 24 16 00-0404	EA 3 Pole, 277/480 Volt, 225 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	888.34	97.50
	For Bolt-On, Add	148.96	
	For Installation In New Panelboard, Deduct	-54.17	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	65.00	
26 24 16 00-0405	Branch Circuit Breakers 18,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-0366)		
	Note: Includes connection of electrical wire.		
26 24 16 00-0406	EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	84.79	22.94
	For Bolt-On, Add	19.52	
	For Installation In New Panelboard, Deduct	-12.75	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.29	
26 24 16 00-0407	EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	84.79	22.94
	For Bolt-On, Add	19.52	
	For Installation In New Panelboard, Deduct	-12.75	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.29	
26 24 16 00-0408	EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	131.70	28.68
	For Bolt-On, Add	27.62	
	For Installation In New Panelboard, Deduct	-15.93	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.12	
26 24 16 00-0409	EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	162.94	34.41
	For Bolt-On, Add	33.75	
	For Installation In New Panelboard, Deduct	-19.12	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.94	
26 24 16 00-0410	EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	162.94	34.41
	For Bolt-On, Add	33.75	
	For Installation In New Panelboard, Deduct	-19.12	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.94	
26 24 16 00-0411	EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	272.78	45.89
	For Bolt-On, Add	51.94	
	For Installation In New Panelboard, Deduct	-25.49	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.59	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 24 16 00-0412	EA		2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	644.89	57.35
				<i>For Bolt-On, Add</i>	102.92	
				<i>For Installation In New Panelboard, Deduct</i>	-31.87	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24	
	26 24 16 00-0413	EA		3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	253.21	45.89
				<i>For Bolt-On, Add</i>	49.50	
				<i>For Installation In New Panelboard, Deduct</i>	-25.49	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59	
	26 24 16 00-0414	EA		3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	253.21	45.89
				<i>For Bolt-On, Add</i>	49.50	
				<i>For Installation In New Panelboard, Deduct</i>	-25.49	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59	
	26 24 16 00-0415	EA		3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	333.15	57.35
				<i>For Bolt-On, Add</i>	63.95	
				<i>For Installation In New Panelboard, Deduct</i>	-31.87	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24	
	26 24 16 00-0416	EA		3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	796.34	68.83
				<i>For Bolt-On, Add</i>	126.31	
				<i>For Installation In New Panelboard, Deduct</i>	-38.24	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.88	
	26 24 16 00-0417			Branch Circuit Breakers 22,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0366)</small>		
				<i>Note: Includes connection of electrical wire.</i>		
	26 24 16 00-0418	EA		1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	93.84	22.94
				<i>For Bolt-On, Add</i>	20.65	
				<i>For Installation In New Panelboard, Deduct</i>	-12.75	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29	
	26 24 16 00-0419	EA		1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	93.84	22.94
				<i>For Bolt-On, Add</i>	20.65	
				<i>For Installation In New Panelboard, Deduct</i>	-12.75	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29	
	26 24 16 00-0420	EA		1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	112.10	28.68
				<i>For Bolt-On, Add</i>	25.17	
				<i>For Installation In New Panelboard, Deduct</i>	-15.93	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.12	
	26 24 16 00-0421	EA		1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	170.07	28.04
				<i>For Bolt-On, Add</i>	31.97	
				<i>For Installation In New Panelboard, Deduct</i>	-15.30	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.35	
	26 24 16 00-0422	EA		2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	186.58	34.41
				<i>For Bolt-On, Add</i>	36.70	
				<i>For Installation In New Panelboard, Deduct</i>	-19.12	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.94	
	26 24 16 00-0423	EA		2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	186.58	34.41
				<i>For Bolt-On, Add</i>	36.70	
				<i>For Installation In New Panelboard, Deduct</i>	-19.12	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.94	
	26 24 16 00-0424	EA		2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	229.97	45.89
				<i>For Bolt-On, Add</i>	46.59	
				<i>For Installation In New Panelboard, Deduct</i>	-25.49	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59	
	26 24 16 00-0425	EA		2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	323.69	57.35
				<i>For Bolt-On, Add</i>	62.77	
				<i>For Installation In New Panelboard, Deduct</i>	-31.87	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24	
	26 24 16 00-0426	EA		2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	408.78	63.73
				<i>For Bolt-On, Add</i>	75.63	
				<i>For Installation In New Panelboard, Deduct</i>	-35.05	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.06	
	26 24 16 00-0427	EA		2 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	506.63	74.56
				<i>For Bolt-On, Add</i>	92.32	
				<i>For Installation In New Panelboard, Deduct</i>	-41.42	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.71	
	26 24 16 00-0428	EA		2 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	551.60	86.04
				<i>For Bolt-On, Add</i>	102.41	
				<i>For Installation In New Panelboard, Deduct</i>	-47.80	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.36	
	26 24 16 00-0429	EA		3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	230.36	45.89
				<i>For Bolt-On, Add</i>	46.64	
				<i>For Installation In New Panelboard, Deduct</i>	-25.49	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0430	EA		3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	230.36	45.89
			<i>For Bolt-On, Add</i>	46.64	
			<i>For Installation In New Panelboard, Deduct</i>	-25.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59	
26 24 16 00-0431	EA		3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	273.35	57.35
			<i>For Bolt-On, Add</i>	56.47	
			<i>For Installation In New Panelboard, Deduct</i>	-31.87	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24	
26 24 16 00-0432	EA		3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	399.11	68.83
			<i>For Bolt-On, Add</i>	76.65	
			<i>For Installation In New Panelboard, Deduct</i>	-38.24	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.88	
26 24 16 00-0433	EA		3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	522.57	89.22
			<i>For Bolt-On, Add</i>	99.89	
			<i>For Installation In New Panelboard, Deduct</i>	-49.39	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.27	
26 24 16 00-0434	EA		3 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	639.77	103.24
			<i>For Bolt-On, Add</i>	120.12	
			<i>For Installation In New Panelboard, Deduct</i>	-57.36	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.83	
26 24 16 00-0435	EA		3 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	679.64	109.61
			<i>For Bolt-On, Add</i>	127.33	
			<i>For Installation In New Panelboard, Deduct</i>	-60.54	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.65	
26 24 16 00-0436			Branch Circuit Breakers 25,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0360)</small>		
			<i>Note: Includes connection of electrical wire.</i>		
26 24 16 00-0437	EA		2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	192.48	34.41
			<i>For Bolt-On, Add</i>	37.44	
			<i>For Installation In New Panelboard, Deduct</i>	-19.12	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.94	
26 24 16 00-0438	EA		2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	192.48	34.41
			<i>For Bolt-On, Add</i>	37.44	
			<i>For Installation In New Panelboard, Deduct</i>	-19.12	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.94	
26 24 16 00-0439	EA		2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	287.04	45.89
			<i>For Bolt-On, Add</i>	53.72	
			<i>For Installation In New Panelboard, Deduct</i>	-25.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59	
26 24 16 00-0440	EA		2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	451.24	57.35
			<i>For Bolt-On, Add</i>	78.71	
			<i>For Installation In New Panelboard, Deduct</i>	-31.87	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24	
26 24 16 00-0441	EA		2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	687.46	71.37
			<i>For Bolt-On, Add</i>	113.81	
			<i>For Installation In New Panelboard, Deduct</i>	-39.83	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.80	
26 24 16 00-0442	EA		2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	773.38	74.56
			<i>For Bolt-On, Add</i>	125.67	
			<i>For Installation In New Panelboard, Deduct</i>	-41.42	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.71	
26 24 16 00-0443	EA		2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	849.05	86.04
			<i>For Bolt-On, Add</i>	139.59	
			<i>For Installation In New Panelboard, Deduct</i>	-47.80	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.36	
26 24 16 00-0444	EA		3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	273.50	45.89
			<i>For Bolt-On, Add</i>	52.03	
			<i>For Installation In New Panelboard, Deduct</i>	-25.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59	
26 24 16 00-0445	EA		3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	273.50	45.89
			<i>For Bolt-On, Add</i>	52.03	
			<i>For Installation In New Panelboard, Deduct</i>	-25.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59	
26 24 16 00-0446	EA		3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	344.13	57.35
			<i>For Bolt-On, Add</i>	65.32	
			<i>For Installation In New Panelboard, Deduct</i>	-31.87	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24	
26 24 16 00-0447	EA		3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	559.12	68.83
			<i>For Bolt-On, Add</i>	96.65	
			<i>For Installation In New Panelboard, Deduct</i>	-38.24	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.88	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 24	16 00-0448	EA	3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	806.95	89.22
				<i>For Bolt-On, Add</i>	135.44	
				<i>For Installation In New Panelboard, Deduct</i>	-49.39	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.27	
	26 24	16 00-0449	EA	3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	951.63	103.24
				<i>For Bolt-On, Add</i>	159.10	
				<i>For Installation In New Panelboard, Deduct</i>	-57.36	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.83	
	26 24	16 00-0450	EA	3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	1,027.20	109.61
				<i>For Bolt-On, Add</i>	170.78	
				<i>For Installation In New Panelboard, Deduct</i>	-60.54	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.65	
	26 24	16 00-0451		Branch Circuit Breakers 30,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0366)</small>		
				<i>Note: Includes connection of electrical wire.</i>		
	26 24	16 00-0452	EA	2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	198.35	34.41
				<i>For Bolt-On, Add</i>	38.18	
				<i>For Installation In New Panelboard, Deduct</i>	-19.12	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.94	
	26 24	16 00-0453	EA	2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	198.35	34.41
				<i>For Bolt-On, Add</i>	38.18	
				<i>For Installation In New Panelboard, Deduct</i>	-19.12	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.94	
	26 24	16 00-0454	EA	2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	341.21	45.89
				<i>For Bolt-On, Add</i>	60.50	
				<i>For Installation In New Panelboard, Deduct</i>	-25.49	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59	
	26 24	16 00-0455	EA	2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	601.43	57.35
				<i>For Bolt-On, Add</i>	97.48	
				<i>For Installation In New Panelboard, Deduct</i>	-31.87	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24	
	26 24	16 00-0456	EA	2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	935.73	71.37
				<i>For Bolt-On, Add</i>	144.85	
				<i>For Installation In New Panelboard, Deduct</i>	-39.83	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.80	
	26 24	16 00-0457	EA	2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	1,058.92	74.56
				<i>For Bolt-On, Add</i>	161.36	
				<i>For Installation In New Panelboard, Deduct</i>	-41.42	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.71	
	26 24	16 00-0458	EA	2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	1,157.19	86.04
				<i>For Bolt-On, Add</i>	178.11	
				<i>For Installation In New Panelboard, Deduct</i>	-47.80	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.36	
	26 24	16 00-0459	EA	3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	314.13	45.89
				<i>For Bolt-On, Add</i>	57.11	
				<i>For Installation In New Panelboard, Deduct</i>	-25.49	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59	
	26 24	16 00-0460	EA	3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	314.13	45.89
				<i>For Bolt-On, Add</i>	57.11	
				<i>For Installation In New Panelboard, Deduct</i>	-25.49	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59	
	26 24	16 00-0461	EA	3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	414.55	57.35
				<i>For Bolt-On, Add</i>	74.12	
				<i>For Installation In New Panelboard, Deduct</i>	-31.87	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24	
	26 24	16 00-0462	EA	3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	730.73	68.83
				<i>For Bolt-On, Add</i>	118.11	
				<i>For Installation In New Panelboard, Deduct</i>	-38.24	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.88	
	26 24	16 00-0463	EA	3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	924.92	89.22
				<i>For Bolt-On, Add</i>	150.19	
				<i>For Installation In New Panelboard, Deduct</i>	-49.39	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.27	
	26 24	16 00-0464	EA	3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	1,441.89	103.24
				<i>For Bolt-On, Add</i>	220.38	
				<i>For Installation In New Panelboard, Deduct</i>	-57.36	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.83	
	26 24	16 00-0465	EA	3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	1,534.80	109.61
				<i>For Bolt-On, Add</i>	234.23	
				<i>For Installation In New Panelboard, Deduct</i>	-60.54	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.65	

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 24 Switchboards And Panelboards

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0466			Branch Circuit Breakers 35,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0366)</small>		
			Note: Includes connection of electrical wire.		
26 24 16 00-0467	EA		1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	108.63	22.94
			For Bolt-On, Add	22.50	
			For Installation In New Panelboard, Deduct	-12.75	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.29	
26 24 16 00-0468	EA		1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	108.63	22.94
			For Bolt-On, Add	22.50	
			For Installation In New Panelboard, Deduct	-12.75	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.29	
26 24 16 00-0469	EA		1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	178.32	28.68
			For Bolt-On, Add	33.44	
			For Installation In New Panelboard, Deduct	-15.93	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.12	
26 24 16 00-0470	EA		2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	222.37	34.41
			For Bolt-On, Add	41.18	
			For Installation In New Panelboard, Deduct	-19.12	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.94	
26 24 16 00-0471	EA		2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	222.37	34.41
			For Bolt-On, Add	41.18	
			For Installation In New Panelboard, Deduct	-19.12	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.94	
26 24 16 00-0472	EA		2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	390.93	45.89
			For Bolt-On, Add	66.71	
			For Installation In New Panelboard, Deduct	-25.49	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.59	
26 24 16 00-0473	EA		2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	700.74	57.35
			For Bolt-On, Add	109.90	
			For Installation In New Panelboard, Deduct	-31.87	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.24	
26 24 16 00-0474	EA		2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	1,327.98	71.37
			For Bolt-On, Add	193.88	
			For Installation In New Panelboard, Deduct	-39.83	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.80	
26 24 16 00-0475	EA		3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	357.48	45.89
			For Bolt-On, Add	62.53	
			For Installation In New Panelboard, Deduct	-25.49	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.59	
26 24 16 00-0476	EA		3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	357.48	45.89
			For Bolt-On, Add	62.53	
			For Installation In New Panelboard, Deduct	-25.49	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.59	
26 24 16 00-0477	EA		3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	474.78	57.35
			For Bolt-On, Add	81.65	
			For Installation In New Panelboard, Deduct	-31.87	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.24	
26 24 16 00-0478	EA		3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	861.64	68.83
			For Bolt-On, Add	134.47	
			For Installation In New Panelboard, Deduct	-38.24	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.88	
26 24 16 00-0479	EA		3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	1,650.91	89.22
			For Bolt-On, Add	240.94	
			For Installation In New Panelboard, Deduct	-49.39	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.27	
26 24 16 00-0480			Branch Circuit Breakers 42,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0366)</small>		
			Note: Includes connection of electrical wire.		
26 24 16 00-0481	EA		1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	150.29	22.94
			For Bolt-On, Add	27.71	
			For Installation In New Panelboard, Deduct	-12.75	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.29	
26 24 16 00-0482	EA		1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	150.29	22.94
			For Bolt-On, Add	27.71	
			For Installation In New Panelboard, Deduct	-12.75	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.29	
26 24 16 00-0483	EA		1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	222.62	28.68
			For Bolt-On, Add	38.98	
			For Installation In New Panelboard, Deduct	-15.93	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.12	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	26 24 16 00-0484	EA		2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	270.57	34.41	
				<i>For Bolt-On, Add</i>	47.20		
				<i>For Installation In New Panelboard, Deduct</i>	-19.12		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.94		
	26 24 16 00-0485	EA		2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	270.57	34.41	
				<i>For Bolt-On, Add</i>	47.20		
				<i>For Installation In New Panelboard, Deduct</i>	-19.12		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.94		
	26 24 16 00-0486	EA		2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	494.69	45.89	
				<i>For Bolt-On, Add</i>	79.68		
				<i>For Installation In New Panelboard, Deduct</i>	-25.49		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59		
	26 24 16 00-0487	EA		2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	876.78	57.35	
				<i>For Bolt-On, Add</i>	131.90		
				<i>For Installation In New Panelboard, Deduct</i>	-31.87		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24		
	26 24 16 00-0488	EA		2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	1,706.56	63.73	
				<i>For Bolt-On, Add</i>	237.86		
				<i>For Installation In New Panelboard, Deduct</i>	-35.05		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.06		
	26 24 16 00-0489	EA		3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	454.06	45.89	
				<i>For Bolt-On, Add</i>	74.60		
				<i>For Installation In New Panelboard, Deduct</i>	-25.49		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59		
	26 24 16 00-0490	EA		3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	454.06	45.89	
				<i>For Bolt-On, Add</i>	74.60		
				<i>For Installation In New Panelboard, Deduct</i>	-25.49		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59		
	26 24 16 00-0491	EA		3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	624.00	57.35	
				<i>For Bolt-On, Add</i>	100.31		
				<i>For Installation In New Panelboard, Deduct</i>	-31.87		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24		
	26 24 16 00-0492	EA		3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	992.54	68.83	
				<i>For Bolt-On, Add</i>	150.83		
				<i>For Installation In New Panelboard, Deduct</i>	-38.24		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.88		
	26 24 16 00-0493	EA		3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	2,161.15	89.22	
				<i>For Bolt-On, Add</i>	304.72		
				<i>For Installation In New Panelboard, Deduct</i>	-49.39		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.27		
	26 24 16 00-0494	Branch Circuit Breakers 65,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0366)</small>					
				<i>Note: Includes connection of electrical wire.</i>			
	26 24 16 00-0495	EA		1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	78.38	22.94	
				<i>For Bolt-On, Add</i>	18.72		
				<i>For Installation In New Panelboard, Deduct</i>	-12.75		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29		
	26 24 16 00-0496	EA		2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	153.69	34.41	
				<i>For Bolt-On, Add</i>	32.59		
				<i>For Installation In New Panelboard, Deduct</i>	-19.12		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.94		
	26 24 16 00-0497	EA		3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	236.49	45.89	
				<i>For Bolt-On, Add</i>	47.41		
				<i>For Installation In New Panelboard, Deduct</i>	-25.49		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59		
	26 24 16 00-0498	EA		1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	143.15	22.94	
				<i>For Bolt-On, Add</i>	26.82		
				<i>For Installation In New Panelboard, Deduct</i>	-12.75		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29		
	26 24 16 00-0499	EA		1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	143.15	22.94	
				<i>For Bolt-On, Add</i>	26.82		
				<i>For Installation In New Panelboard, Deduct</i>	-12.75		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29		
	26 24 16 00-0500	EA		1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	285.24	45.89	
				<i>For Bolt-On, Add</i>	53.50		
				<i>For Installation In New Panelboard, Deduct</i>	-25.49		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59		
	26 24 16 00-0501	EA		2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	310.27	34.41	
				<i>For Bolt-On, Add</i>	52.17		
				<i>For Installation In New Panelboard, Deduct</i>	-19.12		
				<i>Note: Also for use with new interiors in panelboards.</i>			
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.94		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 16 00-0502	EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	310.27	34.41
	For Bolt-On, Add	52.17	
	For Installation In New Panelboard, Deduct	-19.12	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.94	
26 24 16 00-0503	EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	584.17	45.89
	For Bolt-On, Add	90.87	
	For Installation In New Panelboard, Deduct	-25.49	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.59	
26 24 16 00-0504	EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	976.09	57.35
	For Bolt-On, Add	144.32	
	For Installation In New Panelboard, Deduct	-31.87	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.24	
26 24 16 00-0505	EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	2,107.67	71.37
	For Bolt-On, Add	291.34	
	For Installation In New Panelboard, Deduct	-39.83	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.80	
26 24 16 00-0506	EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	510.86	45.89
	For Bolt-On, Add	81.70	
	For Installation In New Panelboard, Deduct	-25.49	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.59	
26 24 16 00-0507	EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	510.86	45.89
	For Bolt-On, Add	81.70	
	For Installation In New Panelboard, Deduct	-25.49	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.59	
26 24 16 00-0508	EA 3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	706.45	57.35
	For Bolt-On, Add	110.61	
	For Installation In New Panelboard, Deduct	-31.87	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.24	
26 24 16 00-0509	EA 3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	1,064.77	68.83
	For Bolt-On, Add	159.86	
	For Installation In New Panelboard, Deduct	-38.24	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.88	
26 24 16 00-0510	EA 3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	2,620.64	89.22
	For Bolt-On, Add	362.15	
	For Installation In New Panelboard, Deduct	-49.39	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.27	
26 24 16 00-0511	Residential Lighting And Power Panelboards (26 24 16 00-0001)		
26 24 16 00-0512	Residential Type Unassembled Load Center (26 24 16 00-0511) Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0513	Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase (26 24 16 00-0512)		
26 24 16 00-0514	EA 30 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	165.24	63.73
26 24 16 00-0515	EA 70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	565.96	254.91
26 24 16 00-0516	EA 100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	849.27	363.89
26 24 16 00-0517	EA 125 Amp, 24 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,811.60	764.86
26 24 16 00-0518	EA 150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,978.91	828.47
26 24 16 00-0519	Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC (26 24 16 00-0512) Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta.		
26 24 16 00-0520	EA 60 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	224.78	70.10
26 24 16 00-0521	EA 125 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	388.33	76.47
26 24 16 00-0522	Main Lug Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof (26 24 16 00-0512)		
26 24 16 00-0523	EA 40 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	228.24	70.10
26 24 16 00-0524	EA 70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	254.08	76.47
26 24 16 00-0525	EA 100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	918.50	363.89
26 24 16 00-0526	EA 150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	2,084.25	828.47
26 24 16 00-0527	Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC (26 24 16 00-0512) Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0528	EA 60 A, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	277.45	70.10
26 24 16 00-0529	EA 125 A, 20 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,004.39	764.86
26 24 16 00-0530	Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase (26 24 16 00-0512)		
26 24 16 00-0531	EA 125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	2,139.69	764.86
26 24 16 00-0532	EA 150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	2,322.04	828.47
26 24 16 00-0533	EA 300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	7,688.03	1,274.55

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

26 24 16 00-0534				Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0512)</small> Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V Delta.		
26 24 16 00-0535	EA			125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	3,013.78	764.86
26 24 16 00-0536	EA			150 Amp, 40 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	3,285.68	828.47
26 24 16 00-0537	EA			300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	8,423.51	1,274.55
26 24 16 00-0538				Main Breaker Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof <small>(26 24 16 00-0512)</small>		
26 24 16 00-0539	EA			125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	2,237.51	764.86
26 24 16 00-0540	EA			150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	2,489.09	828.47
26 24 16 00-0541				Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0512)</small> Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0542	EA			125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	3,176.02	764.86
26 24 16 00-0543	EA			155 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	3,303.29	828.47
26 24 16 00-0544				Panel Mounted Accessories And Fuseholders <small>(26 24 16 00-0001)</small>		
26 24 16 00-0545				Midget Finger-Safe Fuse Holders <small>(26 24 16 00-0544)</small> Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0546	EA			1 Pole Midget Finger-Safe Fuse Holder.....	67.17	22.94
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29	
26 24 16 00-0547	EA			1 Pole With Indicator Midget Finger-Safe Fuse Holder.....	74.84	22.94
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29	
26 24 16 00-0548	EA			2 Pole Midget Finger-Safe Fuse Holder.....	105.63	34.41
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.94	
26 24 16 00-0549	EA			2 Pole With Indicators Midget Finger-Safe Fuse Holder	125.65	34.41
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.94	
26 24 16 00-0550	EA			3 Pole Midget Finger-Safe Fuse Holder.....	150.31	45.89
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59	
26 24 16 00-0551	EA			3 Pole With Indicators Midget Finger-Safe Fuse Holder.....	176.90	45.89
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59	
26 24 16 00-0552	EA			3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	199.14	45.89
				Note: With indicators.		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59	
26 24 16 00-0553	EA			3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	169.66	45.89
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.59	
26 24 16 00-0554	EA			4 Pole Midget Finger-Safe Fuse Holder.....	188.85	57.35
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24	
26 24 16 00-0555	EA			4 Pole With Indicator Midget Finger-Safe Fuse Holder.....	218.05	57.35
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24	
26 24 16 00-0556	EA			12 To 24 Volt DC Midget Finger-Safe Fuse Holder	74.87	22.94
				Note: With indicator.		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29	
26 24 16 00-0557	EA			20 To 24 Volt DC Midget Finger-Safe Fuse Holder	78.94	22.94
				Note: With indicator.		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29	
26 24 16 00-0558	EA			35 To 48 Volt DC Midget Finger-Safe Fuse Holder	75.62	22.94
				Note: With indicator.		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29	
26 24 16 00-0559				Removal And Reinstallation Of Panelboards <small>(26 24 16 00-0001)</small> Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0560	EA			Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers.....	1,599.27	
				Note: Includes removal and reinstallation of main wiring to panelboard.		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	477.96	
26 24 16 00-0561	EA			Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	84.60	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.86	
26 24 16 00-0562	EA			Panelboard Filler Plate, Fits 1" Opening.....	5.74	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.20	
26 24 19				Motor-Control Centers <small>(26 24)</small>		
26 24 19 00-0001				Combination Starters With Molded Case Circuit Breakers <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002				230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0003	EA			230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit.....	2,254.49	116.52
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.91	
26 24 19 00-0004	EA			230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	2,665.79	122.34
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.41	
26 24 19 00-0005	EA			230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	3,952.47	128.17
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.90	
26 24 19 00-0006	EA			230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	7,143.33	151.47
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.89	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0007	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,351.70 104.87	174.78
26 24 19 00-0008	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,129.32 139.82	233.04
26 24 19 00-0009			480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0010	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,254.49 69.91	116.52
26 24 19 00-0011	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,665.79 73.41	122.34
26 24 19 00-0012	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,952.47 76.90	128.17
26 24 19 00-0013	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,143.33 90.89	151.47
26 24 19 00-0014	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,351.70 104.87	174.78
26 24 19 00-0015	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,129.32 139.82	233.04
26 24 19 00-0016			230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0017	EA		230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,252.53 69.91	116.52
26 24 19 00-0018	EA		230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,325.66 73.41	122.34
26 24 19 00-0019	EA		230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,187.48 76.90	128.17
26 24 19 00-0020	EA		230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,805.62 90.89	151.47
26 24 19 00-0021	EA		230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,234.36 104.87	174.78
26 24 19 00-0022	EA		230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,575.19 139.82	233.04
26 24 19 00-0023			480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0024	EA		480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,252.53 69.91	116.52
26 24 19 00-0025	EA		480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,325.66 73.41	122.34
26 24 19 00-0026	EA		480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,187.48 76.90	128.17
26 24 19 00-0027	EA		480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,805.62 90.89	151.47
26 24 19 00-0028	EA		480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,234.36 104.87	174.78
26 24 19 00-0029	EA		480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,575.19 139.82	233.04
26 24 19 00-0030			230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,969.59 111.86	186.43
26 24 19 00-0032	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,443.44 118.85	198.08
26 24 19 00-0033	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,991.43 125.84	209.74
26 24 19 00-0034	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,243.05 143.32	238.87
26 24 19 00-0035	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,562.83 167.79	279.65
26 24 19 00-0036			480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,969.59 111.86	186.43
26 24 19 00-0038	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,443.44 118.85	198.08
26 24 19 00-0039	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,991.43 125.84	209.74
26 24 19 00-0040	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,243.05 143.32	238.87
26 24 19 00-0041	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,562.83 167.79	279.65
26 24 19 00-0042			230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,557.17 69.91	116.52
26 24 19 00-0044	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,767.90 73.41	122.34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0045 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	9,253.49	128.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.90	
26 24 19 00-0046 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	17,358.42	151.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.89	
26 24 19 00-0047 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	30,049.66	174.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.87	
26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	4,557.17	116.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.91	
26 24 19 00-0050 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	6,767.90	122.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.41	
26 24 19 00-0051 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	9,253.49	128.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.90	
26 24 19 00-0052 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	17,358.42	151.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.89	
26 24 19 00-0053 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	30,049.66	174.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.87	
26 24 19 00-0054 230 Volt Combination With Molded Case Circuit (26 24 19 00-0001)		
Note: Reducing volt, auto-transformer.		
26 24 19 00-0055 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	6,725.61	122.34
26 24 19 00-0056 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	10,282.22	133.99
26 24 19 00-0057 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	17,309.79	151.47
26 24 19 00-0058 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	26,759.52	174.78
26 24 19 00-0059 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	45,760.53	233.04
26 24 19 00-0060 480 Volt Combination With Molded Case Circuit (26 24 19 00-0001)		
Note: Reducing volt, auto-transformer.		
26 24 19 00-0061 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	6,725.61	122.34
26 24 19 00-0062 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	10,282.22	133.99
26 24 19 00-0063 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	17,309.79	151.47
26 24 19 00-0064 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	26,759.52	174.78
26 24 19 00-0065 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	45,760.53	233.04
26 24 19 00-0066 230 Volt Combination With Molded Case Circuit (26 24 19 00-0001)		
Note: Reducing volt, part winding.		
26 24 19 00-0067 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	4,622.97	186.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.86	
26 24 19 00-0068 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	5,964.73	215.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.33	
26 24 19 00-0069 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	10,447.54	238.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.32	
26 24 19 00-0070 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	17,773.39	291.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.78	
26 24 19 00-0071 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	24,409.00	372.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.73	
26 24 19 00-0072 480 Volt Combination With Molded Case Circuit (26 24 19 00-0001)		
Note: Reducing volt, part winding.		
26 24 19 00-0073 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	4,622.97	186.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.86	
26 24 19 00-0074 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	5,964.73	215.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.33	
26 24 19 00-0075 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	10,447.54	238.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.32	
26 24 19 00-0076 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	17,773.39	291.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.78	
26 24 19 00-0077 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	24,409.00	372.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.73	
26 24 19 00-0078 230 Volt Combination With Molded Case Circuit (26 24 19 00-0001)		
Note: Reducing volt, energy saver.		
26 24 19 00-0079 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	18,923.14	151.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.89	
26 24 19 00-0080 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	20,081.99	186.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.86	
26 24 19 00-0081 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	22,178.62	215.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.33	
26 24 19 00-0082 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	33,554.67	238.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.32	
26 24 19 00-0083 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	45,752.29	291.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.78	
26 24 19 00-0084 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	62,082.83	372.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.73	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0085	480 Volt Combination With Molded Case Circuit (26 24 19 00-0001) Note: Reducing volt, energy saver.		
26 24 19 00-0086	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,923.14 90.89	151.47
26 24 19 00-0087	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,081.99 111.86	186.43
26 24 19 00-0088	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,178.62 129.33	215.56
26 24 19 00-0089	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,554.67 143.32	238.87
26 24 19 00-0090	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45,752.29 174.78	291.30
26 24 19 00-0091	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62,082.83 223.73	372.86
26 24 19 00-0092	Combination Starters With Current Limiting Circuit Breakers (26 24 19) Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093	230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,005.13 69.91	116.52
26 24 19 00-0095	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,416.43 73.41	122.34
26 24 19 00-0096	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,265.56 76.90	128.17
26 24 19 00-0097	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,678.60 90.89	151.47
26 24 19 00-0098	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,299.30 104.87	174.78
26 24 19 00-0099	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,182.79 139.82	233.04
26 24 19 00-0100	480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,005.13 69.91	116.52
26 24 19 00-0102	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,416.43 73.41	122.34
26 24 19 00-0103	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,265.56 76.90	128.17
26 24 19 00-0104	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,678.60 90.89	151.47
26 24 19 00-0105	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,299.30 104.87	174.78
26 24 19 00-0106	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,182.79 139.82	233.04
26 24 19 00-0107	230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed reversing.		
26 24 19 00-0108	EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,996.83 69.91	116.52
26 24 19 00-0109	EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,061.50 73.41	122.34
26 24 19 00-0110	EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,470.97 76.90	128.17
26 24 19 00-0111	EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,307.06 90.89	151.47
26 24 19 00-0112	EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,122.75 104.87	174.78
26 24 19 00-0113	480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed reversing.		
26 24 19 00-0114	EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,996.83 69.91	116.52
26 24 19 00-0115	EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,061.50 73.41	122.34
26 24 19 00-0116	EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,470.97 76.90	128.17
26 24 19 00-0117	EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,307.06 90.89	151.47
26 24 19 00-0118	EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,122.75 104.87	174.78

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

26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>						
Note: Full volt, 2-speed non-reversing, 2 wind.						
26 24 19 00-0120	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,701.21	186.43
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.86	
26 24 19 00-0121	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	6,164.48	198.08
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.85	
26 24 19 00-0122	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	9,253.78	209.74
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.84	
26 24 19 00-0123	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	16,714.88	238.87
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.32	
26 24 19 00-0124	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	26,427.96	279.65
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	167.79	
26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>						
Note: Full volt, 2-speed non-reversing, 2 wind.						
26 24 19 00-0126	EA			480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	4,701.21	186.43
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.86	
26 24 19 00-0127	EA			480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	6,164.48	198.08
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.85	
26 24 19 00-0128	EA			480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	9,253.78	209.74
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.84	
26 24 19 00-0129	EA			480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	16,714.88	238.87
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.32	
26 24 19 00-0130	EA			480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	26,427.96	279.65
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	167.79	
26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>						
Note: Full volt, 2-speed non-reversing, 1 wind.						
26 24 19 00-0132	EA			230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	5,405.30	174.78
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.87	
26 24 19 00-0133	EA			230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	7,604.40	186.43
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.86	
26 24 19 00-0134	EA			230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	10,649.31	198.08
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.85	
26 24 19 00-0135	EA			230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	19,952.11	227.21
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.33	
26 24 19 00-0136	EA			230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	33,044.16	268.00
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.81	
26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>						
Note: Full volt, 2-speed non-reversing, 1 wind.						
26 24 19 00-0138	EA			480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	5,405.30	174.78
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.87	
26 24 19 00-0139	EA			480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	7,604.40	186.43
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.86	
26 24 19 00-0140	EA			480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	10,649.31	198.08
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.85	
26 24 19 00-0141	EA			480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	19,952.11	227.21
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.33	
26 24 19 00-0142	EA			480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	33,044.16	268.00
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.81	
26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>						
Note: Reduced volt, auto-transformer.						
26 24 19 00-0144	EA			230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	7,436.07	122.34
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.41	
26 24 19 00-0145	EA			230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	11,956.89	133.99
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.40	
26 24 19 00-0146	EA			230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	20,187.61	151.47
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.89	
26 24 19 00-0147	EA			230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	30,567.71	174.78
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.87	
26 24 19 00-0148	EA			230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	50,279.19	233.04
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.82	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0149	480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0150	EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit.....	7,436.07	122.34
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.41	
26 24 19 00-0151	EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit.....	11,956.89	133.99
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.40	
26 24 19 00-0152	EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit.....	20,187.61	151.47
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.89	
26 24 19 00-0153	EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit.....	30,567.71	174.78
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.87	
26 24 19 00-0154	EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit.....	50,279.19	233.04
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.82	
26 24 19 00-0155	230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0156	EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	5,354.58	186.43
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.86	
26 24 19 00-0157	EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	6,681.54	215.56
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.33	
26 24 19 00-0158	EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	11,701.43	238.87
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.32	
26 24 19 00-0159	EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	20,687.15	291.30
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.78	
26 24 19 00-0160	EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	30,502.95	372.86
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.73	
26 24 19 00-0161	480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0162	EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	5,354.58	186.43
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.86	
26 24 19 00-0163	EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	6,681.54	215.56
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.33	
26 24 19 00-0164	EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	11,701.43	238.87
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.32	
26 24 19 00-0165	EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	20,687.15	291.30
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.78	
26 24 19 00-0166	EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	30,502.95	372.86
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.73	
26 24 19 00-0167	230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, energy saving		
26 24 19 00-0168	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit.....	19,530.00	151.47
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.89	
26 24 19 00-0169	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit.....	20,682.51	186.43
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.86	
26 24 19 00-0170	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit.....	22,757.99	215.56
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.33	
26 24 19 00-0171	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	34,034.66	238.87
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.32	
26 24 19 00-0172	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	46,124.44	291.30
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.78	
26 24 19 00-0173	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	64,635.02	372.86
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.73	
26 24 19 00-0174	480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, energy saving		
26 24 19 00-0175	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit.....	19,530.05	151.47
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.90	
26 24 19 00-0176	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit.....	20,682.51	186.43
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.86	
26 24 19 00-0177	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	22,757.99	215.56
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.33	
26 24 19 00-0178	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	34,034.66	238.87
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.32	
26 24 19 00-0179	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	46,124.44	291.30
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.78	
26 24 19 00-0180	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit.....	64,635.02	372.86
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.73	

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--	-------	-------------	------------------------	----------------------

26 24 19 00-0181		Combination Starters With Fusible Switch <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182		230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,009.21	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.91	
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,760.94	122.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.41	
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	4,633.33	128.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.90	
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	8,151.94	151.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.89	
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	13,214.11	174.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.87	
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	23,547.83	233.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.82	
26 24 19 00-0189		480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,009.21	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.91	
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,760.94	122.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.41	
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	4,633.33	128.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.90	
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	8,151.94	151.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.89	
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	13,214.11	174.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.87	
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	23,547.83	233.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.82	
26 24 19 00-0196		230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed reversing.		
26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,225.04	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.91	
26 24 19 00-0198	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,790.85	122.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.41	
26 24 19 00-0199	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	7,646.48	128.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.90	
26 24 19 00-0200	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	12,446.47	151.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.89	
26 24 19 00-0201	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	19,132.56	174.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.87	
26 24 19 00-0202	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	32,504.80	233.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.82	
26 24 19 00-0203		480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed reversing.		
26 24 19 00-0204	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,225.04	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.91	
26 24 19 00-0205	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,790.85	122.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.41	
26 24 19 00-0206	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	7,646.48	128.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.90	
26 24 19 00-0207	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	12,446.47	151.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.89	
26 24 19 00-0208	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	19,132.56	174.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.87	
26 24 19 00-0209	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	32,504.80	233.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.82	
26 24 19 00-0210		230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	3,791.98	186.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.86	
26 24 19 00-0212	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	5,198.16	198.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.85	
26 24 19 00-0213	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	8,150.02	209.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.84	
26 24 19 00-0214	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	14,517.93	238.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.32	
26 24 19 00-0215	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	23,099.75	279.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	167.79	
26 24 19 00-0216		480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	3,791.98	186.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.86	
26 24 19 00-0218	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	5,198.16	198.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.85	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0219	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,150.02 125.84	209.74
26 24 19 00-0220	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,517.93 143.32	238.87
26 24 19 00-0221	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,099.75 167.79	279.65
26 24 19 00-0222	230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223	EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,299.20 69.91	116.52
26 24 19 00-0224	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,539.53 73.41	122.34
26 24 19 00-0225	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,401.50 76.90	128.17
26 24 19 00-0226	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,918.91 90.89	151.47
26 24 19 00-0227	480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,299.20 69.91	116.52
26 24 19 00-0229	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,539.53 73.41	122.34
26 24 19 00-0230	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,401.50 76.90	128.17
26 24 19 00-0231	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,918.91 90.89	151.47
26 24 19 00-0232	230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0233	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,495.13 73.41	122.34
26 24 19 00-0234	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,443.07 80.40	133.99
26 24 19 00-0235	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,043.67 90.89	151.47
26 24 19 00-0236	EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,418.93 104.87	174.78
26 24 19 00-0237	EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,686.06 139.82	233.04
26 24 19 00-0238	480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0239	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,495.13 73.41	122.34
26 24 19 00-0240	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,443.07 80.40	133.99
26 24 19 00-0241	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,043.67 90.89	151.47
26 24 19 00-0242	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,418.93 104.87	174.78
26 24 19 00-0243	EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,686.06 139.82	233.04
26 24 19 00-0244	230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0245	EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,650.46 111.86	186.43
26 24 19 00-0246	EA 25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,146.57 129.33	215.56
26 24 19 00-0247	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,753.99 143.32	238.87
26 24 19 00-0248	EA 75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,386.74 174.78	291.30
26 24 19 00-0249	480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0250	EA 15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,650.46 111.86	186.43
26 24 19 00-0251	EA 40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,146.57 129.33	215.56
26 24 19 00-0252	EA 75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,753.99 143.32	238.87
26 24 19 00-0253	EA 150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,386.74 174.78	291.30
26 24 19 00-0254	230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Energy saver.		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 24 19 00-0255	EA		7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,921.03 90.89	151.47
	26 24 19 00-0256	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,081.99 111.86	186.43
	26 24 19 00-0257	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,178.62 129.33	215.56
	26 24 19 00-0258	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,554.67 143.32	238.87
	26 24 19 00-0259	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45,752.29 174.78	291.30
	26 24 19 00-0260	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62,082.83 223.73	372.86
26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small>						
Note: Energy saver.						
	26 24 19 00-0262	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,921.03 90.89	151.47
	26 24 19 00-0263	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,081.99 111.86	186.43
	26 24 19 00-0264	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,178.62 129.33	215.56
	26 24 19 00-0265	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,554.67 143.32	238.87
	26 24 19 00-0266	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45,752.29 174.78	291.30
	26 24 19 00-0267	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62,082.83 223.73	372.86
26 24 19 00-0268 Starter Accessories <small>(26 24 19)</small>						
26 24 19 00-0269 Starter Modifications <small>(26 24 19 00-0268)</small>						
	26 24 19 00-0270	EA		Control Circuit Transformer 60 Hertz, Size 1, 2, 50 VA Standard	103.88	
	26 24 19 00-0271	EA		Control Circuit Transformer 60 Hertz, Size 3, 4, 150 VA Standard	329.86	
	26 24 19 00-0272	EA		Control Circuit Transformer 60 Hertz, Size 5, 6, 50 VA	471.53	
	26 24 19 00-0273	EA		Control Circuit Transformer 60 Hertz, All Sizes, Extra 50 VA	118.41	
	26 24 19 00-0274	EA		Control Circuit Transformer 60 Hertz, All Sizes, Extra 100 VA	167.04	
	26 24 19 00-0275	EA		Control Circuit Transformer 60 Hertz, All Sizes, Extra 150 VA	281.23	
	26 24 19 00-0276	EA		Overload Relay Heater Elements, 3 Per Starter	69.78	
	26 24 19 00-0277	EA		N.O. Overload Relay Alarm	59.21	
	26 24 19 00-0278	EA		Control Circuit Fuses, Primary/Secondary	110.73	
	26 24 19 00-0279	EA		Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	136.90	
	26 24 19 00-0280	EA		Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	267.76	
	26 24 19 00-0281	EA		Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	136.90	
	26 24 19 00-0282	EA		Control Devices Type PB2 Mount On Device, Individual Light Full V	157.03	
	26 24 19 00-0283	EA		Control Devices Type PB2 Mount On Device, Individual Light Transformer	189.25	
	26 24 19 00-0284	EA		Control Devices Type PB2 Mount On Device, Individual Light Push To	223.47	
	26 24 19 00-0285	EA		Blank Devices Panel	42.28	
	26 24 19 00-0286	EA		Oversize Or Special Color Starter	66.44	
	26 24 19 00-0287	EA		Mini Voltmeter/Ammeter With Current Transformer	588.61	
	26 24 19 00-0288	EA		Mini Elapsed Time Meters, Non Resettable <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.49 534.25	
	26 24 19 00-0289	EA		Panel Elapsed Time Meter, Resettable	785.17	
	26 24 19 00-0290	EA		Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	66.44	
	26 24 19 00-0291	EA		Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	94.62	
	26 24 19 00-0292	EA		Terminal Blocks, Front Mounted, Press Connection, Standard	66.44	
	26 24 19 00-0293	EA		Terminal Blocks, Front Mounted, Press Connection, Plug-In	94.62	
	26 24 19 00-0294	EA		Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	94.62	
	26 24 19 00-0295	EA		Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	136.90	
	26 24 19 00-0296	EA		MOR - A Solid State Modular Overload Relay	340.24	
	26 24 19 00-0297	EA		Heater Module	43.95	
	26 24 19 00-0298	EA		LAM - Long Acceleration Module	273.01	
	26 24 19 00-0299	EA		JAM - Jam Protection Module	312.96	
	26 24 19 00-0300	EA		PUM - Phase Unbalance Module	593.96	
	26 24 19 00-0301	EA		ULM - Underload Module	284.99	
	26 24 19 00-0302	EA		Wiring To Common Control Circuit Transformer	62.59	
	26 24 19 00-0303	EA		Handle Operator Separable Source Control Circuit	117.19	
	26 24 19 00-0304	EA		Type SIS Control Wire	49.27	
	26 24 19 00-0305	EA		Ring Or Spade Terminals Control	62.59	
	26 24 19 00-0306	EA		Ring Terminals Power	62.59	
	26 24 19 00-0307	EA		14 Gauge Control Wire	49.27	
	26 24 19 00-0308	EA		Wiremakers	62.59	
	26 24 19 00-0309	EA		Wiring Diagram On Door	37.29	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 24 19 00-0310	EA	Special Color Or Type Control Wire.....		45.28	
26 24 19 00-0311	EA	Current Transformer 12.5 VA.....		355.57	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4.....		1,135.97	
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6.....		1,278.47	
26 24 19 00-0314		Control Relays And Special Components (26 24 19 00-0268)			
26 24 19 00-0315	EA	Control Relays, 600 Volt, 2 Pole.....		727.31	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		10.49	
26 24 19 00-0316	EA	Control Relays, 600 Volt, 4 Pole.....		855.30	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		17.48	
26 24 19 00-0317	EA	Control Relays, 600 Volt, 6 Pole.....		994.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		27.97	
26 24 19 00-0318	EA	Control Relays, 600 Volt, 8 Pole.....		1,103.90	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		34.96	
26 24 19 00-0319	EA	Control Relays, Pneumatic Timer.....		977.86	
26 24 19 00-0320	EA	Control Relays, Motor Driven Timer.....		2,548.15	
26 24 19 00-0321	EA	Control Relays, 7 Day Time Switch.....		3,207.19	
26 24 19 00-0322	EA	Control Relays, 24 Hour Time Switch.....		899.35	
26 24 19 00-0323	EA	Control Relays, Phase Voltage.....		1,529.84	
26 24 19 00-0324	EA	Control Relays, Two Circuit Alternator.....		2,141.30	
26 24 19 00-0325	EA	Control Relays, Manual 120 Volt.....		209.37	
26 24 19 00-0326	EA	Control Relays, Over-Current Relay.....		2,540.96	
26 24 19 00-0327	EA	Control Relays, UV-Relay.....		2,152.09	
26 24 19 00-0328	EA	Control Relays, Over-Current Relay.....		2,152.09	
26 24 19 00-0329	EA	Control Relays, Teleductor.....		1,577.43	
26 24 19 00-0330	EA	Control Relays, Current Transducer.....		4,242.16	
26 24 19 00-0331	EA	Control Relays, Watt Transducer.....		8,484.32	
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x.....		287.89	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway.....		430.64	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway.....		485.36	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway.....		540.08	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway.....		485.36	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway.....		540.08	
26 24 19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway.....		568.63	
26 24 19 00-0339		Circuit Breaker Modifications/Accessories (26 24 19 00-0268)			
26 24 19 00-0340	EA	Circuit Breaker, Shunt Trip.....		269.14	
26 24 19 00-0341	EA	Circuit Breaker, Auxiliary Switch.....		92.96	
26 24 19 00-0342	EA	Circuit Breaker, Key Interlock.....		334.37	
26 24 19 00-0343	EA	Circuit Breaker, GFR Ground Fault.....		1,541.38	
26 24 19 00-0344	EA	Circuit Breaker, Seltronic Breaker.....		892.89	
26 24 19 00-0345		Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)			
26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100.....		1,116.58	75.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		45.44	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150.....		1,924.26	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		69.91	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100.....		1,830.65	75.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		45.44	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150.....		2,636.82	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		69.91	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150.....		3,364.42	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		69.91	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250.....		2,132.53	151.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		90.90	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400.....		3,403.58	163.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		97.90	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600.....		4,485.72	209.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		125.79	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800.....		5,326.86	320.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		192.32	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200.....		7,564.38	483.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		290.37	
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000.....		16,297.10	640.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		384.19	
26 24 19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500.....		24,247.68	803.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		481.94	
26 24 19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000.....		40,177.57	932.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		559.78	
26 24 19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....		1,331.55	75.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		45.44	
26 24 19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150.....		2,133.21	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		69.91	
26 24 19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....		1,331.55	75.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		45.44	
26 24 19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50.....		2,133.21	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		69.91	
26 24 19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150.....		2,229.02	75.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		45.44	
26 24 19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150.....		3,060.75	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		69.91	
26 24 19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....		3,779.33	116.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		69.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST				

26 24 19 00-0366	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,029.49 69.91	116.52				
26 24 19 00-0367	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,158.49 192.32	320.43				
26 24 19 00-0368	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,158.49 192.32	320.43				
26 24 19 00-0369	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,892.42 209.65	349.56				
26 24 19 00-0370	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,587.36 244.59	407.82				
26 24 19 00-0371	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,891.49 290.37	483.56				

26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)

26 24 19 00-0373	EA		Incoming Line And Feeder Fusible Switches, 30 Or 60 Amps	1,173.25	116.52				
26 24 19 00-0374	EA		Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	1,757.88	116.52				
26 24 19 00-0375	EA		Incoming Line And Feeder Fusible Switches, 100 Amps	1,941.93	145.65				
26 24 19 00-0376	EA		Incoming Line And Feeder Fusible Switches, 200 Amps	3,114.20	174.78				
26 24 19 00-0377	EA		Incoming Line And Feeder Fusible Switches, 400 Amps	6,051.71	221.39				
26 24 19 00-0378	EA		Incoming Line And Feeder Fusible Switches, 600 Amps	8,474.94	291.30				
26 24 19 00-0379	EA		Incoming Line And Feeder Fusible Switches, 800 Amps	20,387.71	390.34				
26 24 19 00-0380	EA		Incoming Line And Feeder Fusible Switches, 1,200 Amps	23,074.10	541.82				

26 24 19 00-0381 Dry Type Distribution Transformers (26 24 19 00-0268)

26 24 19 00-0382	EA		500 VA, Phase 1, Dry Type Distribution Transformers	1,025.25					
26 24 19 00-0383	EA		750 VA, Phase 1, Dry Type Distribution Transformers	1,058.32					
26 24 19 00-0384	EA		1,000 VA, Phase 1, Dry Type Distribution Transformers	1,092.90					
26 24 19 00-0385	EA		1,500 VA, Phase 1, Dry Type Distribution Transformers	1,253.75					
26 24 19 00-0386	EA		2,000 VA, Phase 1, Dry Type Distribution Transformers	1,358.98					
26 24 19 00-0387	EA		3,000 VA, Phase 1, Dry Type Distribution Transformers	1,428.95					
26 24 19 00-0388	EA		5,000 VA, Phase 1, Dry Type Distribution Transformers	1,849.06					
26 24 19 00-0389	EA		7,500 VA, Phase 1, Dry Type Distribution Transformers	2,083.58					
26 24 19 00-0390	EA		9,000 VA, Phase 3, Dry Type Distribution Transformers	4,843.64					
26 24 19 00-0391	EA		10,000 VA, Phase 1, Dry Type Distribution Transformers	2,570.65					
26 24 19 00-0392	EA		15,000 VA, Phase 1, Dry Type Distribution Transformers	3,561.32					
26 24 19 00-0393	EA		15,000 VA, Phase 3, Dry Type Distribution Transformers	5,539.19					
26 24 19 00-0394	EA		20,000 VA, Phase 1, Dry Type Distribution Transformers	5,139.79					
26 24 19 00-0395	EA		30,000 VA, Phase 1, Dry Type Distribution Transformers	7,122.64					
26 24 19 00-0396	EA		30,000 VA, Phase 3, Dry Type Distribution Transformers	6,831.82					
26 24 19 00-0397	EA		45,000 VA, Phase 1, Dry Type Distribution Transformers	9,463.33					

26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)

26 24 19 00-0399	EA		Metering Equipment, Voltmeter, Panel Type	648.27					
26 24 19 00-0400	EA		Metering Equipment, Voltmeter, Switchboard Type	1,417.34					
26 24 19 00-0401	EA		Metering Equipment, Ammeter, Panel	583.85					
26 24 19 00-0402	EA		Metering Equipment, Ammeter, Switchboard Type	1,417.34					
26 24 19 00-0403	EA		Metering Equipment, Voltmeter/Ammeter, Switch	787.18					
26 24 19 00-0404	EA		Metering Equipment, Control Switch, 4 Circuits	835.50					
26 24 19 00-0405	EA		Add For Additional Circuits	73.25					
26 24 19 00-0406	EA		Metering Equipment, Indicating Wattmeter	2,923.25					
26 24 19 00-0407	EA		Metering Equipment, Indicating Power Factor	3,062.17					
26 24 19 00-0408	EA		Metering Equipment, Integrating Watt-hour	2,699.78					
26 24 19 00-0409	EA		Add For Demand Attachment	479.43					
26 24 19 00-0410	EA		Metering Equipment, Current Transformer, 800 Amp	807.32					
26 24 19 00-0411	EA		Metering Equipment, Current Transformer, 1,000 Amp	1,393.18					
26 24 19 00-0412	EA		Metering Equipment, Current Transformer, 2,000 Amp	1,622.69					
26 24 19 00-0413	EA		Metering Equipment, Potential Transformer	1,352.91					
26 24 19 00-0414	EA		Metering Equipment, Surge Arrester	1,455.59					
26 24 19 00-0415	EA		Metering Equipment, Ground Detector System	1,113.33					

26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)

26 24 19 00-0417	EA		Current Limiting Reactors, 600 Amps	18,555.26					
26 24 19 00-0418	EA		Current Limiting Reactors, 800 Amps	27,021.85					
26 24 19 00-0419	EA		Current Limiting Reactors, 1,000 Amps	35,507.99					
26 24 19 00-0420	EA		Current Limiting Reactors, 1,200 Amps	54,049.72					

26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)

26 24 19 00-0422	EA		Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	458.84					
26 24 19 00-0423	EA		Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	458.84					
26 24 19 00-0424	EA		Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	634.35					
26 24 19 00-0425	EA		Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,160.85					
26 24 19 00-0426	EA		Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	634.35					
26 24 19 00-0427	EA		Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	809.85					
26 24 19 00-0428	EA		Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	809.85					
26 24 19 00-0429	EA		Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,158.74					
26 24 19 00-0430	EA		Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	809.85					
26 24 19 00-0431	EA		Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,158.74					
26 24 19 00-0432	EA		Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	985.35					
26 24 19 00-0433	EA		Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	3,194.99					
26 24 19 00-0434	EA		Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	985.35					

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0435	EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,158.74	
26 24 19 00-0436	EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	3,194.99	
26 24 19 00-0437	EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	3,194.99	
26 24 19 00-0438	EA Bus Duct Transition Pull Box	521.89	
26 24 19 00-0439	EA Throat And Transition To Substation	1,007.50	
26 24 19 00-0440	EA Service Entrance Label	218.19	
26 24 19 00-0441	EA Type W To 5 Star - 10" Transition	456.07	
26 24 19 00-0442	EA 600 Ampere Sub Feed Lugs On Main Bus	318.29	
26 24 19 00-0443	Standard Structures And Structure Options/Modifications (26 24 19 00-0268)		
26 24 19 00-0444	EA Standard Structure Add For Each Additional 4" Of Structure Width	144.08	
26 24 19 00-0445	EA Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	144.08	
26 24 19 00-0446	EA Standard Structure Single Corner Section "L", 16" Depth	445.71	
26 24 19 00-0447	EA Standard Structure Single Corner Section "L", 21" Depth	502.71	
26 24 19 00-0448	EA Standard Structure Unused Space/Future Space	43.02	
26 24 19 00-0449	EA Standard Structure NEMA 12 Dustproof	116.09	
26 24 19 00-0450	EA Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	24.36	
26 24 19 00-0451	EA Standard Structure 150 Watt Space	104.69	
26 24 19 00-0452	EA Standard Structure Thermostat For Space Heater Control	387.54	
26 24 19 00-0453	EA Standard Structure Rear Hinged Structure Door, 72" High	104.69	
26 24 19 00-0454	EA Standard Structure NEMA 2 Drip Shield On Top Of MCC	250.37	
26 24 19 00-0455	EA Standard Structure NEMA 3R N-Walk In Front Mounted	3,571.72	
26 24 19 00-0456	EA Standard Structure NEMA 3R N-Walk In Back-to-back	4,128.39	
26 24 19 00-0457	EA Standard Structure NEMA 3R Walk-In Aisle Front Mounted	4,132.38	
26 24 19 00-0458	Installation Hours For Vertical Sections (26 24 19 00-0268)		
26 24 19 00-0459	EA Install Vertical Section, 230/480 Volt, 1 Section, 600 Amps	699.09	349.56
26 24 19 00-0460	EA Install Vertical Section, 230/480 Volt, 2 Section, 600 Amps	1,048.63	524.34
26 24 19 00-0461	EA Install Vertical Section, 230/480 Volt, 3 Section, 600 Amps	1,165.20	582.60
26 24 19 00-0462	EA Install Vertical Section, 230/480 Volt, 4 Section, 600 Amps	1,398.36	699.12
26 24 19 00-0463	EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 600 Amps	116.52	58.26
26 24 19 00-0464	EA Install Vertical Section, 230/480 Volt, 1 Section, 800 Amps	699.09	349.56
26 24 19 00-0465	EA Install Vertical Section, 230/480 Volt, 2 Section, 800 Amps	1,048.63	524.34
26 24 19 00-0466	EA Install Vertical Section, 230/480 Volt, 3 Section, 800 Amps	1,165.20	582.60
26 24 19 00-0467	EA Install Vertical Section, 230/480 Volt, 4 Section, 800 Amps	1,398.36	699.12
26 24 19 00-0468	EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 800 Amps	116.52	58.26
26 24 19 00-0469	EA Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amps	815.65	407.82
26 24 19 00-0470	EA Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amps	1,048.63	524.34
26 24 19 00-0471	EA Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amps	1,398.36	699.12
26 24 19 00-0472	EA Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amps	1,631.07	815.52
26 24 19 00-0473	EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,200 Amps	174.78	87.39
26 24 19 00-0474	EA Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amps	932.16	466.08
26 24 19 00-0475	EA Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amps	1,281.83	640.86
26 24 19 00-0476	EA Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amps	1,631.07	815.52
26 24 19 00-0477	EA Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amps	1,864.00	932.05
26 24 19 00-0478	EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,600 Amps	233.04	116.52
26 24 19 00-0479	EA Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amps	932.16	466.08
26 24 19 00-0480	EA Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amps	1,398.36	699.12
26 24 19 00-0481	EA Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amps	1,747.61	873.78
26 24 19 00-0482	EA Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amps	1,980.97	990.54
26 24 19 00-0483	EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 2,000 Amps	233.04	116.52
26 24 19 00-0484	Motor Control Centers (26 24 19)		
26 24 19 00-0485	2.4 KV Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0486	EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	14,617.02	233.04
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.82	
26 24 19 00-0487	EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	14,617.02	233.04
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.82	
26 24 19 00-0488	EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	14,617.02	233.04
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.82	
26 24 19 00-0489	EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	14,675.31	262.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.31	
26 24 19 00-0490	EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	15,590.39	291.30
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.78	
26 24 19 00-0491	EA 2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	15,648.63	320.43
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	192.25	
26 24 19 00-0492	EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	15,706.88	349.56
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	209.73	
26 24 19 00-0493	EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	15,823.44	407.82
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	244.70	
26 24 19 00-0494	EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	15,939.95	466.08
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	279.65	
26 24 19 00-0495	EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	26,736.70	524.34
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	314.59	
26 24 19 00-0496	EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	28,705.44	582.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	349.56	
26 24 19 00-0497	EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	21,641.43	233.04
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.82	
26 24 19 00-0498	EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	22,548.82	250.52
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.32	
26 24 19 00-0499	EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	25,612.55	273.82
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	164.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0500	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,503.66 174.78	291.30
26 24 19 00-0501	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,020.33 202.76	337.90
26 24 19 00-0502	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,983.64 216.73	361.21
26 24 19 00-0503	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,945.19 230.69	384.51
26 24 19 00-0504	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,461.61 251.69	419.47
26 24 19 00-0505	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47,075.48 279.65	466.08
26 24 19 00-0506	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50,999.14 297.15	495.21
26 24 19 00-0507	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77,813.97 349.56	582.60
26 24 19 00-0508	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82,915.88 384.55	640.86
26 24 19 00-0509	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87,359.92 419.51	699.12
26 24 19 00-0510	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95,124.15 454.51	757.50
26 24 19 00-0511	EA		2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,424.53 139.82	233.04
26 24 19 00-0512	EA		2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,482.82 157.31	262.17
26 24 19 00-0513	EA		2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,541.05 174.78	291.30
26 24 19 00-0514	EA		2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,599.29 192.25	320.43
26 24 19 00-0515	EA		2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,681.01 209.73	349.56
26 24 19 00-0516	EA		2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,719.33 227.22	378.69
26 24 19 00-0517	EA		2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,777.57 244.70	407.82
26 24 19 00-0518	EA		2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,010.55 314.59	524.34
26 24 19 00-0519	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,672.72 349.56	582.60
26 24 19 00-0520	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,789.35 384.55	640.86
26 24 19 00-0521	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,747.67 419.51	699.12
26 24 19 00-0522	EA		Add For Reversing Starters, 100 To 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,039.86 69.91	
26 24 19 00-0523	EA		Add For Reversing Starters, 1,000 To 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,282.20 69.91	
26 24 19 00-0524	EA		Add For Reversing Starters, 1,750 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,652.98 69.91	
26 24 19 00-0525 4.8 KV Motor Control Centers (26 24 19 00-0484)					
26 24 19 00-0526	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,949.22 209.73	349.56
26 24 19 00-0527	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,007.54 227.22	378.69
26 24 19 00-0528	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,065.78 244.70	407.82
26 24 19 00-0529	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,124.08 262.19	436.95
26 24 19 00-0530	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,030.48 279.65	466.08
26 24 19 00-0531	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,088.81 297.15	495.21
26 24 19 00-0532	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,146.95 314.59	524.34
26 24 19 00-0533	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,205.32 332.10	553.47
26 24 19 00-0534	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,263.52 349.56	582.60
26 24 19 00-0535	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,150.47 454.51	757.50
26 24 19 00-0536	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,266.52 489.32	815.52
26 24 19 00-0537	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,226.57 524.28	873.78
26 24 19 00-0538	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,342.96 559.20	932.05
26 24 19 00-0539	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,120.24 209.73	349.56
26 24 19 00-0540	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,420.90 227.22	378.69
26 24 19 00-0541	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,131.55 244.70	407.82
26 24 19 00-0542	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,037.35 262.19	436.95
26 24 19 00-0543	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,518.97 279.65	466.08

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

26 24 19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP.....	34,494.03	495.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>297.15</i>	
26 24 19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP.....	37,287.16	524.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>314.59</i>	
26 24 19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP.....	40,971.98	553.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>332.10</i>	
26 24 19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP.....	47,434.88	582.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>349.56</i>	
26 24 19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP.....	51,831.05	611.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>367.04</i>	
26 24 19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP.....	56,285.51	669.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>402.01</i>	
26 24 19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP.....	59,959.89	699.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>419.51</i>	
26 24 19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP.....	63,426.37	728.25
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>436.95</i>	
26 24 19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP.....	68,271.11	757.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>454.51</i>	
26 24 19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP.....	108,104.25	932.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>559.20</i>	
26 24 19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP.....	120,199.75	990.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>594.29</i>	
26 24 19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP.....	144,420.25	1,048.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>629.18</i>	
26 24 19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP.....	152,737.72	1,048.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>629.18</i>	
26 24 19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP.....	21,869.83	407.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>244.70</i>	
26 24 19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP.....	21,928.13	436.95
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>262.19</i>	
26 24 19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP.....	21,986.34	466.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>279.65</i>	
26 24 19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP.....	22,044.67	495.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>297.15</i>	
26 24 19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP.....	23,927.28	524.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>314.59</i>	
26 24 19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP.....	23,985.65	553.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>332.10</i>	
26 24 19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP.....	24,043.85	582.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>349.56</i>	
26 24 19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP.....	24,102.13	611.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>367.04</i>	
26 24 19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP.....	24,160.48	640.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>384.55</i>	
26 24 19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP.....	24,509.72	815.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>489.32</i>	
26 24 19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP.....	39,414.21	873.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>524.28</i>	
26 24 19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP.....	41,365.47	932.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>559.20</i>	
26 24 19 00-0569	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP.....	41,365.47	932.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>559.20</i>	
26 24 19 00-0570	EA	Add For Reversing Starters, 100 To 1,250 HP.....	9,769.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>69.91</i>	
26 24 19 00-0571	EA	Add For Reversing Starters, 1,500 To 2,500 HP.....	10,065.41	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>69.91</i>	
26 24 19 00-0572	EA	Add For Reversing Starters, 3,000 To 4,500 HP.....	15,404.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>69.91</i>	

26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)

26 24 19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amp.....	12,730.11	233.04
26 24 19 00-0575	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amp.....	15,312.32	349.56
26 24 19 00-0576	EA	2.4/4.8 KV NEMA 3 Weather Resistant.....	4,992.31	
26 24 19 00-0577	EA	2.4/4.8 KV Space Heaters.....	184.44	17.48
26 24 19 00-0578	EA	2.4/4.8 KV Potential Transformer Fused.....	1,446.31	
26 24 19 00-0579	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA.....	776.02	
26 24 19 00-0580	EA	2.4/4.8 KV Control Transformer 4 KVA Max.....	2,311.14	
26 24 19 00-0581	EA	2.4/4.8 KV Pushbuttons Each.....	148.01	
26 24 19 00-0582	EA	2.4/4.8 KV Selector Switch Each.....	490.56	
26 24 19 00-0583	EA	2.4/4.8 KV Indicating Light.....	148.01	
26 24 19 00-0584	EA	2.4/4.8 KV Push To Test Light.....	448.27	
26 24 19 00-0585	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type.....	1,192.57	
26 24 19 00-0586	EA	2.4/4.8 KV AC Ammeter, Switchboard Type.....	1,192.57	
26 24 19 00-0587	EA	2.4/4.8 KV Power Factor Meter.....	3,567.14	
26 24 19 00-0588	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout.....	2,459.15	
26 24 19 00-0589	EA	2.4/4.8 KV Operation Counter.....	483.23	17.48
26 24 19 00-0590	EA	2.4/4.8 KV Phase Failure Protection.....	3,461.64	58.26
26 24 19 00-0591	EA	2.4/4.8 KV Ground Protection.....	6,596.26	29.13
26 24 19 00-0592	EA	2.4/4.8 KV Synchronous Motor DC Protection.....	2,419.35	29.13
26 24 19 00-0593	EA	2.4/4.8 KV Lightning Arresters.....	2,955.46	17.48
26 24 19 00-0594	EA	2.4/4.8 KV Portable Lifting Mechanism.....	4,257.16	
26 24 19 00-0595	EA	2.4/4.8 KV Auxiliary Timing Relay.....	495.84	58.26
26 24 19 00-0596	EA	2.4/4.8 KV Auxiliary Control Relay.....	367.36	58.26

26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers (26 24 19 00-0484)

Note: 3 Pole. Includes structure.

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

26 24 19 00-0598	EA	Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amp, 14,000 Amp IC, 3-Pole, With Structure Included	1,226.90	349.23
26 24 19 00-0599	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amp, 22,000 Amp IC, 3-Pole, With Structure Included	2,132.39	618.16
26 24 19 00-0600	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	2,564.42	791.50
26 24 19 00-0601	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	4,105.87	1,274.55
26 24 19 00-0602	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	4,814.13	1,402.01
26 24 19 00-0603	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	6,145.47	1,554.96
26 24 19 00-0604	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 45,000 Amp IC, 3-Pole, With Structure Included	7,156.12	1,822.62
26 24 19 00-0605	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 100,000 Amp IC, 3-Pole, With Structure Included	12,076.99	2,123.41

26 24 19 00-0606 Main Lugs Only (26 24 19 00-0484)

26 24 19 00-0607	EA	600 Amp Incoming Section, Main Lugs	1,018.53	446.10
26 24 19 00-0608	EA	800 Amp Incoming Section, Main Lugs	1,108.76	446.10
26 24 19 00-0609	EA	1,200 Amp Incoming Section, Main Lugs	1,566.36	701.01
26 24 19 00-0610	EA	2,000 Amp Incoming Section, Main Lugs	3,713.67	1,274.55
26 24 19 00-0611	EA	3,000 Amp Incoming Section, Main Lugs	5,628.66	1,848.11
26 24 19 00-0612	EA	4,000 Amp Incoming Section, Main Lugs	8,000.47	2,549.12

26 24 19 00-0613 Incoming Main Circuit Breaker Structure (26 24 19 00-0484)

Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0614	EA	225 Amp, Main Circuit Breaker Section	6,181.57	616.76
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For NEMA 1 With Gaskets, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0615	EA	400 Amp, Main Circuit Breaker Section	12,963.12	792.26
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For NEMA 1 With Gaskets, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0616	EA	600 Amp, Main Circuit Breaker Section	13,586.06	1,234.03
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For NEMA 1 With Gaskets, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0617	EA	800 Amp, Main Circuit Breaker Section	19,144.20	1,234.03
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For NEMA 1 With Gaskets, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0618	EA	1,200 Amp, Main Circuit Breaker Section	27,589.23	1,396.28
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For NEMA 1 With Gaskets, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 20" Cabinet Depth, Add</i>	108.00	

26 24 19 00-0619 Incoming Fusible Main Disconnect Section (26 24 19 00-0484)

Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0620	EA	200 Amp, Fusible Main Disconnect Section	5,392.69	617.53
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For NEMA 1 With Gaskets, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0621	EA	400 Amp, Fusible Main Disconnect Section	7,427.41	792.64
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For NEMA 1 With Gaskets, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0622	EA	600 Amp, Fusible Main Disconnect Section	14,413.98	1,235.05
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For NEMA 1 With Gaskets, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0623	EA	800 Amp, Fusible Main Disconnect Section	16,694.04	1,235.05
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For NEMA 1 With Gaskets, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0624	EA	1,200 Amp, Fusible Main Disconnect Section	23,406.46	1,397.55
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For NEMA 1 With Gaskets, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 20" Cabinet Depth, Add</i>	108.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0625	Circuit Breaker Combination Starters <small>(26 24 19 00-0484)</small>		
26 24 19 00-0626	Class I, Type A <small>(26 24 19 00-0625)</small>		
26 24 19 00-0627	EA Size 1, Class I, Type A Circuit Breaker Combination Starter	1,008.46	258.74
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.52	
26 24 19 00-0628	EA Size 2, Class I, Type A Circuit Breaker Combination Starter	1,168.44	258.74
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	163.40	
26 24 19 00-0629	EA Size 3, Class I, Type A Circuit Breaker Combination Starter	1,686.28	367.07
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	219.75	
26 24 19 00-0630	EA Size 4, Class I, Type A Circuit Breaker Combination Starter	2,707.16	483.05
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	289.67	
26 24 19 00-0631	EA Size 5, Class I, Type A Circuit Breaker Combination Starter	4,760.71	604.14
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	362.09	
26 24 19 00-0632	Class I, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0633	EA Size 1, Class I, Type B Circuit Breaker Combination Starter	947.51	225.60
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	127.46	
26 24 19 00-0634	EA Size 2, Class I, Type B Circuit Breaker Combination Starter	1,102.20	225.60
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	143.53	
26 24 19 00-0635	EA Size 3, Class I, Type B Circuit Breaker Combination Starter	1,607.39	326.28
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	196.09	

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

26 24 19 00-0636	EA Size 4, Class I, Type B Circuit Breaker Combination Starter	2,626.69	442.27
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	265.53	
26 24 19 00-0637	EA Size 5, Class I, Type B Circuit Breaker Combination Starter	4,695.82	564.63
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	342.62	
26 24 19 00-0638	Class I, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0639	EA Size 1, Class I, Type C Circuit Breaker Combination Starter	987.54	209.02
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.45	
26 24 19 00-0640	EA Size 2, Class I, Type C Circuit Breaker Combination Starter	1,153.94	209.02
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.59	
26 24 19 00-0641	EA Size 3, Class I, Type C Circuit Breaker Combination Starter	1,706.35	312.26
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	187.43	
26 24 19 00-0642	EA Size 4, Class I, Type C Circuit Breaker Combination Starter	2,732.92	432.08
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	259.06	
26 24 19 00-0643	EA Size 5, Class I, Type C Circuit Breaker Combination Starter	4,791.75	554.44
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	331.92	
26 24 19 00-0644	Class II, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645	EA Size 1, Class II, Type B Circuit Breaker Combination Starter	1,026.92	309.72
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	175.08	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0646	EA Size 2, Class II, Type B Circuit Breaker Combination Starter	1,389.84	309.72
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	195.49	
26 24 19 00-0647	EA Size 3, Class II, Type B Circuit Breaker Combination Starter	1,950.71	412.96
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	247.01	
26 24 19 00-0648	EA Size 4, Class II, Type B Circuit Breaker Combination Starter	3,131.82	528.94
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	318.64	
26 24 19 00-0649	EA Size 5, Class II, Type B Circuit Breaker Combination Starter	5,531.92	646.20
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	388.58	
26 24 19 00-0650	Class II, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0651	EA Size 1, Class II, Type C Circuit Breaker Combination Starter	1,249.54	293.15
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	167.70	
26 24 19 00-0652	EA Size 2, Class II, Type C Circuit Breaker Combination Starter	1,428.75	293.15
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	183.13	
26 24 19 00-0653	EA Size 3, Class II, Type C Circuit Breaker Combination Starter	2,055.66	400.21
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	239.58	
26 24 19 00-0654	EA Size 4, Class II, Type C Circuit Breaker Combination Starter	3,228.68	516.20
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	309.36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0655 EA Size 5, Class II, Type C Circuit Breaker Combination Starter	5,646.03	637.28
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
<i>For NEMA 1 With Gasket, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	383.90	
26 24 19 00-0656 Fused Disconnect Combination Starter <small>(26 24 19 00-0484)</small>		
26 24 19 00-0657 Class I, Type A <small>(26 24 19 00-0656)</small>		
26 24 19 00-0658 EA Size 1, Class I, Type A Fused Disconnect Combination Starter	926.27	238.35
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
<i>For NEMA 1 With Gasket, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.53	
26 24 19 00-0659 EA Size 2, Class I, Type A Fused Disconnect Combination Starter	1,382.21	326.28
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
<i>For NEMA 1 With Gasket, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.49	
26 24 19 00-0660 EA Size 3, Class I, Type A Fused Disconnect Combination Starter	2,158.28	424.43
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
<i>For NEMA 1 With Gasket, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	254.91	
26 24 19 00-0661 EA Size 4, Class I, Type A Fused Disconnect Combination Starter	2,958.91	595.22
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
<i>For NEMA 1 With Gasket, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	358.02	
26 24 19 00-0662 EA Size 5, Class I, Type A Fused Disconnect Combination Starter	5,064.73	758.36
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
<i>For NEMA 1 With Gasket, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	455.20	
26 24 19 00-0663 Class I, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0664 EA Size 1, Class I, Type B Fused Disconnect Combination Starter	930.35	212.85
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
<i>For NEMA 1 With Gasket, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.46	
26 24 19 00-0665 EA Size 2, Class I, Type B Fused Disconnect Combination Starter	1,255.34	291.87
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
<i>For NEMA 1 With Gasket, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.08	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0666	EA Size 3, Class I, Type B Fused Disconnect Combination Starter	1,840.28	390.02
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	234.29	
26 24 19 00-0667	EA Size 4, Class I, Type B Fused Disconnect Combination Starter	3,041.82	563.36
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	338.98	
26 24 19 00-0668	EA Size 5, Class I, Type B Fused Disconnect Combination Starter	5,129.94	716.30
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	430.60	
26 24 19 00-0669	Class I, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0670	EA Size 1, Class I, Type C Fused Disconnect Combination Starter	973.88	198.83
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.34	
26 24 19 00-0671	EA Size 2, Class I, Type C Fused Disconnect Combination Starter	1,311.16	270.20
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	163.40	
26 24 19 00-0672	EA Size 3, Class I, Type C Fused Disconnect Combination Starter	1,981.59	376.00
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	227.60	
26 24 19 00-0673	EA Size 4, Class I, Type C Fused Disconnect Combination Starter	3,181.93	554.44
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	331.92	
26 24 19 00-0674	EA Size 5, Class I, Type C Fused Disconnect Combination Starter	4,865.01	708.65
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amp Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amp Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	424.85	
26 24 19 00-0675	Class II, Type B <small>(26 24 19 00-0656)</small>		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	19 00-0676	EA		Size 1, Class II, Type B Fused Disconnect Combination Starter	1,186.14	298.24
				For 20" Cabinet Depth, Add	108.00	
				For 800 Amp Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
				For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
				For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
				For NEMA 1 With Gasket, Add	97.00	
				For NEMA 12, Add	245.00	
				For 600 Amp Tin Plated Copper Vertical, Add	210.00	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	179.01	
26 24	19 00-0677	EA		Size 2, Class II, Type B Fused Disconnect Combination Starter	1,526.46	372.17
				For 20" Cabinet Depth, Add	108.00	
				For 800 Amp Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
				For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
				For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
				For NEMA 1 With Gasket, Add	97.00	
				For NEMA 12, Add	245.00	
				For 600 Amp Tin Plated Copper Vertical, Add	210.00	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	222.83	
26 24	19 00-0678	EA		Size 3, Class II, Type B Fused Disconnect Combination Starter	2,188.41	479.24
				For 20" Cabinet Depth, Add	108.00	
				For 800 Amp Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
				For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
				For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
				For NEMA 1 With Gasket, Add	97.00	
				For NEMA 12, Add	245.00	
				For 600 Amp Tin Plated Copper Vertical, Add	210.00	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	287.06	
26 24	19 00-0679	EA		Size 4, Class II, Type B Fused Disconnect Combination Starter	3,508.60	646.20
				For 20" Cabinet Depth, Add	108.00	
				For 800 Amp Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
				For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
				For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
				For NEMA 1 With Gasket, Add	97.00	
				For NEMA 12, Add	245.00	
				For 600 Amp Tin Plated Copper Vertical, Add	210.00	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	388.58	
26 24	19 00-0680	EA		Size 5, Class II, Type B Fused Disconnect Combination Starter	5,889.54	806.79
				For 20" Cabinet Depth, Add	108.00	
				For 800 Amp Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
				For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
				For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
				For NEMA 1 With Gasket, Add	97.00	
				For NEMA 12, Add	245.00	
				For 600 Amp Tin Plated Copper Vertical, Add	210.00	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	482.79	
26 24	19 00-0681	Class II, Type C <small>(26 24 19 00-0656)</small>				
26 24	19 00-0682	EA		Size 1, Class II, Type C Fused Disconnect Combination Starter	1,219.02	280.40
				For 20" Cabinet Depth, Add	108.00	
				For 800 Amp Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
				For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
				For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
				For NEMA 1 With Gasket, Add	97.00	
				For NEMA 12, Add	245.00	
				For 600 Amp Tin Plated Copper Vertical, Add	210.00	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	167.70	
26 24	19 00-0683	EA		Size 2, Class II, Type C Fused Disconnect Combination Starter	1,581.84	351.78
				For 20" Cabinet Depth, Add	108.00	
				For 800 Amp Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
				For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
				For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
				For NEMA 1 With Gasket, Add	97.00	
				For NEMA 12, Add	245.00	
				For 600 Amp Tin Plated Copper Vertical, Add	210.00	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	211.02	
26 24	19 00-0684	EA		Size 3, Class II, Type C Fused Disconnect Combination Starter	2,302.20	457.57
				For 20" Cabinet Depth, Add	108.00	
				For 800 Amp Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
				For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
				For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
				For NEMA 1 With Gasket, Add	97.00	
				For NEMA 12, Add	245.00	
				For 600 Amp Tin Plated Copper Vertical, Add	210.00	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	274.69	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0685	EA		Size 4, Class II, Type C Fused Disconnect Combination Starter	3,632.79	630.91
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amp Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amp Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	379.33	
26 24 19 00-0686	EA		Size 5, Class II, Type C Fused Disconnect Combination Starter	6,005.85	781.31
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amp Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amp Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	468.59	
26 24 19 00-0687			Space Complete With Bus And Hardware (26 24 19 00-0484)		
26 24 19 00-0688			Circuit Breaker Type (26 24 19 00-0687)		
26 24 19 00-0689	EA		Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware	290.97	86.67
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amp Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0690	EA		Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware	290.97	86.67
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amp Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0691	EA		Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware	431.60	126.18
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amp Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0692	EA		Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware	518.28	165.69
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amp Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0693	EA		Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware	860.09	252.37
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amp Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0694			Fused Disconnect Type (26 24 19 00-0687)		
26 24 19 00-0695	EA		Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware	290.97	86.67
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amp Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0696	EA		Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware	390.09	126.18
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amp Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amp Tin Plated Copper Vertical, Add	210.00	

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

26 24 19 00-0697	EA	Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	538.60	165.69
		<i>For 20" Cabinet Depth, Add</i>	108.00	
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
		<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
		<i>For NEMA 1 With Gasket, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0698	EA	Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	916.77	252.37
		<i>For 20" Cabinet Depth, Add</i>	108.00	
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
		<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
		<i>For NEMA 1 With Gasket, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0699	EA	Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	1,283.68	367.07
		<i>For 20" Cabinet Depth, Add</i>	108.00	
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
		<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
		<i>For NEMA 1 With Gasket, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	

26 24 19 00-0700 Blank Space For Future Expansion (26 24 19 00-0687)

Note: Factory modified no labor costs.

26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	118.27	
		<i>For 20" Cabinet Depth, Add</i>	108.00	
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
		<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
		<i>For NEMA 1 With Gasket, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	118.27	
		<i>For 20" Cabinet Depth, Add</i>	108.00	
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
		<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
		<i>For NEMA 1 With Gasket, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	179.31	
		<i>For 20" Cabinet Depth, Add</i>	108.00	
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
		<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
		<i>For NEMA 1 With Gasket, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	179.31	
		<i>For 20" Cabinet Depth, Add</i>	108.00	
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
		<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
		<i>For NEMA 1 With Gasket, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0705	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	356.71	
		<i>For 20" Cabinet Depth, Add</i>	108.00	
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
		<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
		<i>For NEMA 1 With Gasket, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	

26 24 19 00-0706 Structure Combination Of Starters To 72" High (26 24 19 00-0687)

26 24 19 00-0707	EA	Structure Combination Of Starters To 72" High	3,264.23	670.80
		<i>For 20" Cabinet Depth, Add</i>	108.00	
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
		<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
		<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
		<i>For NEMA 1 With Gasket, Add</i>	97.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	

26 24 19 00-0708 Motor Control Center Basic Distribution Section (26 24 19 00-0484)

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0709	EA		20" Wide Basic Section With Vertical Wireway	5,699.44	1,746.91
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amp Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0710	EA		25"-35" Wide Basic Section (No Vertical Wireway)	5,699.44	1,746.91
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amp Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0711	EA		25" Wide Basic Section With 9" Wide Vertical Wireway	6,219.15	1,746.91
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amp Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0712	EA		Corner Section	6,219.15	1,746.91
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amp Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0713			Motor Control Center Starters With HMCP Circuit Breaker <small>(26 24 19 00-0484)</small>		
			Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714			FVNR Starters With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0715	EA		Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	1,394.97	245.36
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.20	
26 24 19 00-0716	EA		Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,552.30	272.12
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	163.27	
26 24 19 00-0717	EA		Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	2,648.47	365.80
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	219.50	
26 24 19 00-0718	EA		Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	3,822.02	482.29
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	289.41	
26 24 19 00-0719	EA		Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	8,512.51	602.74
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	361.68	
26 24 19 00-0720	EA		Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	19,584.26	602.74
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	361.68	
26 24 19 00-0721	EA		Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	1,394.06	212.22
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	127.32	
26 24 19 00-0722	EA		Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,572.12	238.98
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	143.38	
26 24 19 00-0723	EA		Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	2,688.58	326.28
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	195.77	
26 24 19 00-0724	EA		Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	3,808.18	442.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	265.39	
26 24 19 00-0725	EA		Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	8,515.24	571.00
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	342.62	
26 24 19 00-0726	EA		Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	19,706.12	571.00
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	342.62	
26 24 19 00-0727			Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0728	EA		Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,199.59	307.04
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.19	
26 24 19 00-0729	EA		Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,683.64	339.67
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	203.82	
26 24 19 00-0730	EA		Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,381.02	456.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	273.90	
26 24 19 00-0731	EA		Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	7,463.42	603.51
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	362.09	
26 24 19 00-0732	EA		Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	13,343.49	755.05
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	453.04	
26 24 19 00-0733	EA		Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,215.17	265.11
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	159.05	
26 24 19 00-0734	EA		Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,721.28	298.89
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	179.35	
26 24 19 00-0735	EA		Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,437.37	408.49
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	245.11	
26 24 19 00-0736	EA		Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	7,462.19	553.15
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	331.92	
26 24 19 00-0737	EA		Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	13,361.58	714.39
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	428.66	

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--	-------	-------------	------------------------	----------------------

26 24 19 00-0738		Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0739	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,398.29	307.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.19	
26 24 19 00-0740	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	3,373.80	339.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.82	
26 24 19 00-0741	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	6,292.53	456.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	273.90	
26 24 19 00-0742	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	8,561.58	603.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	362.09	
26 24 19 00-0743	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	16,979.73	755.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	453.04	
26 24 19 00-0744	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,413.87	265.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.05	
26 24 19 00-0745	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	3,411.44	298.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	179.35	
26 24 19 00-0746	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	6,348.89	408.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	245.11	
26 24 19 00-0747	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	8,560.35	553.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	331.92	
26 24 19 00-0748	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	16,997.82	714.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	428.66	
26 24 19 00-0749		Motor Control Center Starters With Fusible Disconnect <small>(26 24 19 00-0484)</small>		
		Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0750		FVNR Starters With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0751	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....	1,142.10	239.24
26 24 19 00-0752	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....	1,494.11	325.14
26 24 19 00-0753	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....	2,443.68	423.67
26 24 19 00-0754	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....	4,073.26	596.75
26 24 19 00-0755	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....	8,006.93	758.61
26 24 19 00-0756	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....	19,828.35	758.61
26 24 19 00-0757	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....	1,152.42	212.09
26 24 19 00-0758	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....	1,512.44	291.23
26 24 19 00-0759	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....	2,496.44	390.53
26 24 19 00-0760	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....	4,076.00	565.01
26 24 19 00-0761	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....	7,991.15	717.70
26 24 19 00-0762	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....	19,931.80	717.70
26 24 19 00-0763		Two Speed 2-Winding (TS2W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0764	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,922.30	299.53
26 24 19 00-0765	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,674.02	406.46
26 24 19 00-0766	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	4,100.06	529.32
26 24 19 00-0767	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	8,449.19	748.04
26 24 19 00-0768	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	13,609.29	875.36
26 24 19 00-0769	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,952.00	265.11
26 24 19 00-0770	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,707.88	363.76
26 24 19 00-0771	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	4,171.22	488.66
26 24 19 00-0772	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	8,462.50	704.96
26 24 19 00-0773	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	13,608.85	825.53
26 24 19 00-0774		Two Speed 1-Winding (TS1W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0775	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,221.68	299.53
26 24 19 00-0776	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,374.78	406.46
26 24 19 00-0777	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,031.44	529.32
26 24 19 00-0778	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	8,851.90	748.04
26 24 19 00-0779	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	16,506.36	875.36
26 24 19 00-0780	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,252.26	265.11
26 24 19 00-0781	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,408.64	363.76
26 24 19 00-0782	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,102.60	488.66
26 24 19 00-0783	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	8,865.20	704.96
26 24 19 00-0784	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	16,505.92	825.53
26 24 19 00-0785		Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit <small>(26 24 19 00-0484)</small>		
		Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786	EA	600 Amp Horizontal Tin Plated Copper Bus Kit.....	233.25	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.57	
26 24 19 00-0787	EA	800 Amp Horizontal Tin Plated Copper Bus Kit.....	284.47	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.57	
26 24 19 00-0788	EA	1,200 Amp Horizontal Tin Plated Copper Bus Kit.....	342.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.48	
26 24 19 00-0789	EA	1,600 Amp Horizontal Tin Plated Copper Bus Kit.....	442.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.48	
26 24 19 00-0790	EA	2,000 Amp Horizontal Tin Plated Copper Bus Kit.....	738.78	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.40	
26 24 19 00-0791	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit.....	135.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 24 19 00-0792		Disconnect Switch For Motor Control Centers (26 24 19 00-0484)			
26 24 19 00-0793		3 Pole Circuit Breaker Disconnect For Motor Control Center (26 24 19 00-0792) Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).			
26 24 19 00-0794	EA	150 Amp Rating, 15 To 100 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	753.87		184.18
26 24 19 00-0795	EA	150 Amp Rating, 125 To 150 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,220.84		203.93
26 24 19 00-0796	EA	225 Amp Rating, 70 To 225 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,510.93		274.67
26 24 19 00-0797	EA	400 Amp Rating, 125 To 400 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,429.11		361.98
26 24 19 00-0798	EA	600 Amp Rating, 300 To 600 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,052.97		452.47
26 24 19 00-0799	EA	800 Amp Rating, 400 To 800 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,570.47		452.47
26 24 19 00-0800	EA	1,200 Amp Rating, 600 To 1,200 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	9,111.86		566.54
26 24 19 00-0801		Fusible Disconnect Switch For Motor Control Center (26 24 19 00-0792) Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).			
26 24 19 00-0802	EA	30 Amp Switch Rating, Fusible Disconnect Switch With 30 Amp Fuse Clips.....	795.28		179.07
26 24 19 00-0803	EA	60 Amp Switch Rating, Fusible Disconnect Switch With 60 Amp Fuse Clips.....	951.83		244.08
26 24 19 00-0804	EA	100 Amp Switch Rating, Fusible Disconnect Switch With 100 Amp Fuse Clips.....	1,294.83		312.26
26 24 19 00-0805	EA	200 Amp Switch Rating, Fusible Disconnect Switch With 200 Amp Fuse Clips.....	2,355.92		447.37
26 24 19 00-0806	EA	400 Amp Switch Rating, Fusible Disconnect Switch With 400 Amp Fuse Clips.....	4,088.06		568.97
26 24 19 00-0807	EA	600 Amp Switch Rating, Fusible Disconnect Switch With 600 Amp Fuse Clips.....	9,068.85		568.97
26 24 19 00-0808	EA	800 Amp Switch Rating, Fusible Disconnect Switch With 800 Amp Fuse Clips.....	11,214.52		711.21
26 24 19 00-0809	EA	1,200 Amp Switch Rating, Fusible Disconnect Switch With 1,200 Amp Fuse Clips.....	16,428.45		711.21
26 24 19 00-0810		Control Circuit Transformer (26 24 19 00-0484)			
26 24 19 00-0811	EA	Control Circuit Transformer, Size 1 Factory Installed.....	63.10		
26 24 19 00-0812	EA	Control Circuit Transformer, Size 2 Factory Installed.....	63.10		
26 24 19 00-0813	EA	Control Circuit Transformer, Size 3 Factory Installed.....	121.52		
26 24 19 00-0814	EA	Control Circuit Transformer, Size 4 Factory Installed.....	121.52		
26 24 19 00-0815	EA	Control Circuit Transformer, Size 5 Factory Installed.....	168.82		
26 24 19 00-0816	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	53.54		14.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.57		
26 24 19 00-0817		Cover Mounted Control Devices (26 24 19 00-0484)			
26 24 19 00-0818	EA	Control Device, 2 Unit Push Button Station Cover Mounted.....	116.21		25.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.93		
26 24 19 00-0819	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted.....	131.82		25.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.92		
26 24 19 00-0820	EA	Control Device, Pilot Light Cover Mounted.....	107.55		25.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.93		
26 24 19 00-0821	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	304.98		86.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.24		
26 24 19 00-0822	EA	Auxiliary Contact Add Per Starter.....	337.65		33.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.81		
26 24 19 00-0823		Extra Interlocks (26 24 19 00-0484) Note: Per contact.			
26 24 19 00-0824	EA	Extra Interlocks, Class I, Type A Per Contact.....	76.72		16.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.93		
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type B Per Contact.....	103.09		16.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.93		
26 24 19 00-0826	EA	Extra Interlocks, Class I, Type C Per Contact.....	112.32		16.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96		
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type B Per Contact.....	100.40		16.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.97		
26 24 19 00-0828	EA	Extra Interlocks, Class II, Type C Per Contact.....	104.45		16.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.01		
26 24 19 00-0829		Special Cabinet Provisions (26 24 19 00-0484)			
26 24 19 00-0830	EA	Provisions For Bus Duct Entrance Special Cabinet Provisions.....	789.86		
26 24 19 00-0831		Nameplate Requirements (26 24 19 00-0484)			
26 24 19 00-0832	EA	Special Cabinet Nameplate Requirements.....			28.04
26 24 19 00-0833		Auxiliary Relays (26 24 19 00-0484)			
26 24 19 00-0834	EA	Industrial Control Relay, 10 Amp Class A600 With 2 Contacts.....	167.66		31.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.14		
26 24 19 00-0835	EA	Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay.....	159.22		28.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.14		
26 24 19 00-0836	EA	General Purpose Control Relay, 240 Volt AC, 10 Amp, With Base.....	96.26		28.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.14		
26 24 19 00-0837		Motor Control Center Accessories (26 24 19 00-0484)			
26 24 19 00-0838		Lighting Transformer With Circuit Breaker (26 24 19 00-0837) Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.			

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

26 24 19 00-0839	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,740.32	405.75
26 24 19 00-0840	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,928.57	421.98
26 24 19 00-0841	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,389.46	454.43
26 24 19 00-0842	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,740.19	486.89
26 24 19 00-0843	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,006.73	519.36
26 24 19 00-0844	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,041.74	584.27
26 24 19 00-0845	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	14,459.40	649.19
26 24 19 00-0846	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,510.14	535.59
26 24 19 00-0847	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,246.82	584.27
26 24 19 00-0848	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,567.90	649.19
26 24 19 00-0849	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,221.90	714.11
26 24 19 00-0850	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	13,505.22	779.03
26 24 19 00-0851	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	13,951.51	843.95

26 24 19 00-0852 Bolt-On Lighting Panel (26 24 19 00-0837)

Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.

26 24 19 00-0853	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,183.41	663.29
26 24 19 00-0854	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	3,448.20	1,154.50
26 24 19 00-0855	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	4,592.57	1,561.97
26 24 19 00-0856	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,292.17	717.70
26 24 19 00-0857	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,399.08	1,129.89
26 24 19 00-0858	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	4,787.81	1,659.61
26 24 19 00-0859	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,557.36	769.32
26 24 19 00-0860	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	4,813.41	1,235.05
26 24 19 00-0861	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	6,056.85	1,659.61
26 24 19 00-0862	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	3,678.37	829.74
26 24 19 00-0863	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	4,813.41	1,235.05
26 24 19 00-0864	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	6,163.93	1,713.13

26 24 19 00-0865 Factory Installed Bolt-On Branch Circuit Breaker (26 24 19 00-0837)

Note: For MCC lighting panel only.

26 24 19 00-0866	EA	15 A / 1 Pole - 30 A / 1 Pole Bolt-On Branch Circuit Breaker.....	15.46	
26 24 19 00-0867	EA	15 A / 1 Pole - 30 A / 1 Pole (GFI) Bolt-On Branch Circuit Breaker.....	243.42	
26 24 19 00-0868	EA	15 A / 2 Pole - 50 A / 2 Pole Bolt-On Branch Circuit Breaker.....	30.22	
26 24 19 00-0869	EA	60 A / 2 Pole - 100 A / 2 Pole Bolt-On Branch Circuit Breaker.....	69.58	
26 24 19 00-0870	EA	15 A / 3 Pole - 50 A / 3 Pole Bolt-On Branch Circuit Breaker.....	81.53	
26 24 19 00-0871	EA	60 A / 3 Pole - 100 A / 3 Pole Bolt-On Branch Circuit Breaker.....	123.70	

26 24 19 00-0872 Blank Unit Door (BUD) (26 24 19 00-0837)

Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.

26 24 19 00-0873	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	64.91	
26 24 19 00-0874	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	77.90	
26 24 19 00-0875	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	116.84	
26 24 19 00-0876	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	155.79	
26 24 19 00-0877	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	233.69	
26 24 19 00-0878	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	272.63	
26 24 19 00-0879	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	311.58	

26 25 Enclosed Bus Assemblies (26 20)

26 25 00 00-0001 Bus Ducts (26 25)

26 25 00 00-0002 Plug-In Bus Duct (26 25 00 00-0001)

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 00 00-0003 600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 00 00-0002)

26 25 00 00-0004	LF	225 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	271.35	38.24
		<i>For Up To 25, Add</i>	<i>67.84</i>	
		<i>For >25 To 50, Add</i>	<i>40.70</i>	
		<i>For >50 To 100, Add</i>	<i>20.35</i>	
26 25 00 00-0005	LF	400 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	379.71	38.24
		<i>For Up To 25, Add</i>	<i>94.93</i>	
		<i>For >25 To 50, Add</i>	<i>56.96</i>	
		<i>For >50 To 100, Add</i>	<i>28.48</i>	
26 25 00 00-0006	LF	600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	479.24	50.98
		<i>For Up To 25, Add</i>	<i>119.81</i>	
		<i>For >25 To 50, Add</i>	<i>71.89</i>	
		<i>For >50 To 100, Add</i>	<i>35.94</i>	
26 25 00 00-0007	LF	800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	655.98	50.98
		<i>For Up To 25, Add</i>	<i>164.00</i>	
		<i>For >25 To 50, Add</i>	<i>98.40</i>	
		<i>For >50 To 100, Add</i>	<i>49.20</i>	
26 25 00 00-0008	LF	1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	692.38	63.73
		<i>For Up To 25, Add</i>	<i>173.10</i>	
		<i>For >25 To 50, Add</i>	<i>103.86</i>	
		<i>For >50 To 100, Add</i>	<i>51.93</i>	
26 25 00 00-0009	LF	1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	957.61	63.73
		<i>For Up To 25, Add</i>	<i>239.40</i>	
		<i>For >25 To 50, Add</i>	<i>143.64</i>	
		<i>For >50 To 100, Add</i>	<i>71.82</i>	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 25 Enclosed Bus Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0010	LF		1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,117.23	66.92
			For Up To 25, Add	279.31	
			For >25 To 50, Add	167.58	
			For >50 To 100, Add	83.79	
26 25 00 00-0011	LF		2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,355.03	68.83
			For Up To 25, Add	338.76	
			For >25 To 50, Add	203.25	
			For >50 To 100, Add	101.63	
26 25 00 00-0012	LF		2,500 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,667.18	72.65
			For Up To 25, Add	416.80	
			For >25 To 50, Add	250.08	
			For >50 To 100, Add	125.04	
26 25 00 00-0013	LF		3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,925.39	84.75
			For Up To 25, Add	481.35	
			For >25 To 50, Add	288.81	
			For >50 To 100, Add	144.40	
26 25 00 00-0014	LF		4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,225.81	92.40
			For Up To 25, Add	556.45	
			For >25 To 50, Add	333.87	
			For >50 To 100, Add	166.94	
26 25 00 00-0015			277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 00 00-0002)		
26 25 00 00-0016	LF		225 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	433.22	38.24
			For Up To 25, Add	108.31	
			For >25 To 50, Add	64.98	
			For >50 To 100, Add	32.49	
26 25 00 00-0017	LF		400 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	620.99	38.24
			For Up To 25, Add	155.25	
			For >25 To 50, Add	93.15	
			For >50 To 100, Add	46.57	
26 25 00 00-0018	LF		600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	702.13	50.98
			For Up To 25, Add	175.53	
			For >25 To 50, Add	105.32	
			For >50 To 100, Add	52.66	
26 25 00 00-0019	LF		800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	889.59	50.98
			For Up To 25, Add	222.40	
			For >25 To 50, Add	133.44	
			For >50 To 100, Add	66.72	
26 25 00 00-0020	LF		1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,082.62	63.73
			For Up To 25, Add	270.66	
			For >25 To 50, Add	162.39	
			For >50 To 100, Add	81.20	
26 25 00 00-0021	LF		1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,397.28	63.73
			For Up To 25, Add	349.32	
			For >25 To 50, Add	209.59	
			For >50 To 100, Add	104.80	
26 25 00 00-0022	LF		1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,802.60	66.03
			For Up To 25, Add	450.65	
			For >25 To 50, Add	270.39	
			For >50 To 100, Add	135.20	
26 25 00 00-0023	LF		2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,166.58	68.83
			For Up To 25, Add	541.65	
			For >25 To 50, Add	324.99	
			For >50 To 100, Add	162.49	
26 25 00 00-0024	LF		2,500 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,681.70	72.01
			For Up To 25, Add	670.43	
			For >25 To 50, Add	402.26	
			For >50 To 100, Add	201.13	
26 25 00 00-0025	LF		3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,096.03	84.75
			For Up To 25, Add	774.01	
			For >25 To 50, Add	464.40	
			For >50 To 100, Add	232.20	
26 25 00 00-0026	LF		4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,586.46	92.40
			For Up To 25, Add	896.62	
			For >25 To 50, Add	537.97	
			For >50 To 100, Add	268.98	
26 25 00 00-0027			Cable Tap Boxes (26 25 00 00-0002)		
26 25 00 00-0028			600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 00 00-0027)		
26 25 00 00-0029	EA		225 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,172.76	178.44
26 25 00 00-0030	EA		400 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,254.61	178.44
26 25 00 00-0031	EA		600 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,443.00	242.16
26 25 00 00-0032	EA		800 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,606.01	242.16
26 25 00 00-0033	EA		1,000 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,799.35	318.64
26 25 00 00-0034	EA		1,350 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,068.65	318.64
26 25 00 00-0035			277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 00 00-0027)		
26 25 00 00-0036	EA		225 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,254.61	350.50
26 25 00 00-0037	EA		400 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,457.62	350.50
26 25 00 00-0038	EA		600 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,633.96	477.96
26 25 00 00-0039	EA		800 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,961.01	477.96
26 25 00 00-0040	EA		1,000 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,122.46	637.28
26 25 00 00-0041	EA		1,350 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,549.22	637.28

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

26 25 00 00-0042			Bus Duct Plug-In Circuit Breaker (26 25 00 00-0042)		
26 25 00 00-0043			240 Volt, 3-Phase (26 25 00 00-0042)		
26 25 00 00-0044	EA		60 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker 993.23		127.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 69.73		
26 25 00 00-0045	EA		100 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker 1,947.67		127.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 89.51		
26 25 00 00-0046			600 Volt, 3-Phase (26 25 00 00-0042)		
26 25 00 00-0047	EA		60 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker 1,881.74		127.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 69.73		
26 25 00 00-0048	EA		100 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker 2,436.82		127.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 89.51		
26 25 00 00-0049			120/208 Volt, 3-Phase, 4-Wire (26 25 00 00-0042)		
26 25 00 00-0050	EA		60 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker 1,143.40		152.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 79.66		
26 25 00 00-0051	EA		100 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker 1,368.48		152.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 99.57		
26 25 00 00-0052			277/480 Volt, 3-Phase, 4-Wire (26 25 00 00-0042)		
26 25 00 00-0053	EA		60 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker 1,302.11		152.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 79.66		
26 25 00 00-0054	EA		100 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker 1,989.95		152.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 99.57		
26 25 00 00-0055	EA		225 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker 2,955.26		528.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 229.24		
26 25 00 00-0056	EA		400 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker 7,025.08		528.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 497.88		
26 25 00 00-0057	EA		600 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker 7,927.30		1,529.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 692.69		
26 25 00 00-0058	EA		800 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker 10,124.81		1,529.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 1,225.54		
26 25 00 00-0059			Bus Duct Plug-In Fusible Switch (26 25 00 00-0042)		
26 25 00 00-0060			240 Volt, 3-Pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0061	EA		30 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses 991.05		127.46
26 25 00 00-0062	EA		60 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses 1,092.16		127.46
26 25 00 00-0063	EA		100 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses 1,503.99		152.94
26 25 00 00-0064	EA		200 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses 2,542.48		305.90
26 25 00 00-0065	EA		400 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses 6,390.58		688.26
26 25 00 00-0066	EA		600 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses 9,614.42		1,198.08
26 25 00 00-0067			600 Volt, 3-Pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0068	EA		30 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses 1,025.81		140.20
26 25 00 00-0069	EA		60 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses 1,124.58		140.20
26 25 00 00-0070	EA		100 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses 1,512.87		140.20
26 25 00 00-0071	EA		200 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses 2,598.87		293.15
26 25 00 00-0072	EA		400 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses 6,356.53		662.77
26 25 00 00-0073	EA		600 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses 9,855.82		1,274.55
26 25 00 00-0074	EA		800 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses 16,040.93		1,656.93
26 25 00 00-0075			120/208 Volt, 4-pole, 3 Fuse (26 25 00 00-0059)		
26 25 00 00-0076	EA		30 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses 1,145.43		165.69
26 25 00 00-0077	EA		60 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses 1,235.26		165.69
26 25 00 00-0078	EA		100 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses 1,669.51		165.69
26 25 00 00-0079	EA		200 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses 2,828.68		344.13
26 25 00 00-0080	EA		400 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses 7,023.59		764.73
26 25 00 00-0081	EA		600 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses 10,235.99		1,172.60
26 25 00 00-0082			277/480 Volt, 4-pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0083	EA		30 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses 1,181.93		165.69
26 25 00 00-0084	EA		60 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses 1,271.76		140.58
26 25 00 00-0085	EA		100 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses 1,777.87		191.19
26 25 00 00-0086	EA		200 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses 2,944.88		344.13
26 25 00 00-0087	EA		400 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses 7,023.59		764.73
26 25 00 00-0088	EA		600 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses 10,235.99		1,172.60
26 25 00 00-0089	EA		800 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses 16,111.91		1,554.96
26 25 00 00-0090			Feeder Bus Duct (26 25 00 00-0001)		
			Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 00 00-0091			600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance (26 25 00 00-0090)		
			Note: Copper conductors.		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 25 Enclosed Bus Assemblies

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0092	LF		800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	779.89	53.53
			For Up To 25, Add	194.97	
			For >25 To 50, Add	116.98	
			For >50 To 100, Add	58.49	
26 25 00 00-0093	LF		1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	791.51	53.53
			For Up To 25, Add	197.88	
			For >25 To 50, Add	118.73	
			For >50 To 100, Add	59.36	
26 25 00 00-0094	LF		1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,032.59	53.53
			For Up To 25, Add	258.15	
			For >25 To 50, Add	154.89	
			For >50 To 100, Add	77.44	
26 25 00 00-0095	LF		1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,238.07	53.53
			For Up To 25, Add	309.52	
			For >25 To 50, Add	185.71	
			For >50 To 100, Add	92.86	
26 25 00 00-0096	LF		2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,511.89	53.53
			For Up To 25, Add	377.97	
			For >25 To 50, Add	226.78	
			For >50 To 100, Add	113.39	
26 25 00 00-0097	LF		3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	2,063.88	127.46
			For Up To 25, Add	515.97	
			For >25 To 50, Add	309.58	
			For >50 To 100, Add	154.79	
26 25 00 00-0098	LF		4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	2,848.57	127.46
			For Up To 25, Add	712.14	
			For >25 To 50, Add	427.29	
			For >50 To 100, Add	213.64	
26 25 00 00-0099	LF		5,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	3,370.35	127.46
			For Up To 25, Add	842.59	
			For >25 To 50, Add	505.55	
			For >50 To 100, Add	252.78	
26 25 00 00-0100	LF		6,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	4,148.32	127.46
			For Up To 25, Add	1,037.08	
			For >25 To 50, Add	622.25	
			For >50 To 100, Add	311.12	
26 25 00 00-0101			277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated <small>(26 25 00 00-0090)</small>		
			Note: Low impedance, copper conductors.		
26 25 00 00-0102	LF		800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	892.16	57.35
			For Up To 25, Add	223.04	
			For >25 To 50, Add	133.82	
			For >50 To 100, Add	66.91	
26 25 00 00-0103	LF		1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	907.68	57.35
			For Up To 25, Add	226.92	
			For >25 To 50, Add	136.15	
			For >50 To 100, Add	68.08	
26 25 00 00-0104	LF		1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,165.13	57.35
			For Up To 25, Add	291.28	
			For >25 To 50, Add	174.77	
			For >50 To 100, Add	87.38	
26 25 00 00-0105	LF		1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,381.00	57.35
			For Up To 25, Add	345.25	
			For >25 To 50, Add	207.15	
			For >50 To 100, Add	103.58	
26 25 00 00-0106	LF		2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,667.21	57.35
			For Up To 25, Add	416.80	
			For >25 To 50, Add	250.08	
			For >50 To 100, Add	125.04	
26 25 00 00-0107	LF		3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	2,558.34	98.14
			For Up To 25, Add	639.59	
			For >25 To 50, Add	383.75	
			For >50 To 100, Add	191.88	
26 25 00 00-0108	LF		4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	3,208.15	98.14
			For Up To 25, Add	802.04	
			For >25 To 50, Add	481.22	
			For >50 To 100, Add	240.61	
26 25 00 00-0109	LF		5,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	3,796.61	182.27
			For Up To 25, Add	949.15	
			For >25 To 50, Add	569.49	
			For >50 To 100, Add	284.75	
26 25 00 00-0110	LF		6,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	4,678.19	182.27
			For Up To 25, Add	1,169.55	
			For >25 To 50, Add	701.73	
			For >50 To 100, Add	350.86	
26 26 Power Distribution Units <small>(26 20)</small>					
26 26 00 00-0001			Liebert Precision Power Center <small>(26 26)</small>		
			Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.		
26 26 00 00-0002	EA		PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	12,109.23	391.93
26 26 00 00-0003	EA		PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	14,578.46	424.81
26 26 00 00-0004	EA		PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	16,603.23	471.59
26 26 00 00-0005	EA		PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	19,074.33	509.82
26 26 00 00-0006	EA		PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	20,885.68	637.28
26 26 00 00-0007	EA		PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	23,475.26	764.73
26 26 00 00-0008	EA		PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	27,094.83	892.19
26 26 00 00-0009	EA		PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	28,817.76	1,019.64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 26 00 00-0010	EA		PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	30,236.87	1,147.10
26 26 00 00-0011	EA		Ex Panelboard 10-30 KVA.....	1,156.73	127.46
26 26 00 00-0012	EA		Ex Panelboard 50-125 KVA.....	1,701.12	159.32
26 26 00 00-0013	EA		Ex Panelboard 150-220 KVA.....	3,687.51	191.19
26 26 00 00-0014	EA		Removal And Reinstallation Of Power Distribution Unit.....	2,039.30	
			Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 26 00 00-0015	EA		Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only.....	1,529.47	

26 27 Low-Voltage Distribution Equipment (26 20)

26 27 13 Electricity Metering (26 27)

26 27 13 00-0001 Revenue Metering (26 27 13)

26 27 13 00-0002 Meter Socket Base (26 27 13 00-0001)

Note: NEMA 3R.

26 27 13 00-0003	EA		100 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	292.17	82.85
26 27 13 00-0004	EA		100 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	309.86	82.85
26 27 13 00-0005	EA		200 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	398.52	101.97
26 27 13 00-0006	EA		200 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	403.55	101.97
26 27 13 00-0007	EA		200 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	781.88	114.71
26 27 13 00-0008	EA		320 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	1,040.29	127.46
26 27 13 00-0009	EA		400 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	2,574.10	140.20
26 27 13 00-0010	EA		Combination Motor And Current Transformer Cabinet, 15-30 A, 13 Terminal, Underground, With Test Switch And Transformer - Socket Base.....	2,945.81	637.28

26 27 13 00-0011 Meter Device (26 27 13 00-0001)

Note: Direct read, with 15 minute demand.

26 27 13 00-0012	EA		100 To 200 Amp, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter.....	290.39	25.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.68	
26 27 13 00-0013	EA		200 Amp, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter.....	818.93	25.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.95	

26 27 13 00-0014 Current Transformer Enclosure (26 27 13 00-0001)

26 27 13 00-0015	EA		Current Transformer Cover, Screwed, 18" x 24" x 9", NEMA 3R.....	603.61	165.69
------------------	----	--	--	--------	--------

26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)

26 27 13 00-0017 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max., 2 Pole (26 27 13 00-0016)

26 27 13 00-0018	EA		3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,132.44	79.66
26 27 13 00-0019	EA		4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,490.58	95.59
26 27 13 00-0020	EA		5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,846.81	111.52
26 27 13 00-0021	EA		6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	2,140.09	127.46
26 27 13 00-0022	EA		7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	2,786.36	143.39
26 27 13 00-0023	EA		8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	3,009.03	159.32
26 27 13 00-0024	EA		10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	3,511.63	191.19

26 27 13 00-0025 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max., 2 Pole (26 27 13 00-0016)

26 27 13 00-0026	EA		3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,086.49	79.66
26 27 13 00-0027	EA		4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,748.01	95.59
26 27 13 00-0028	EA		6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	3,784.87	127.46
26 27 13 00-0029	EA		7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	4,198.33	143.39
26 27 13 00-0030	EA		8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	5,279.63	159.32

26 27 13 00-0031 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0016)

26 27 13 00-0032	EA		3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,734.24	111.52
26 27 13 00-0033	EA		4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,277.47	127.46
26 27 13 00-0034	EA		5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,786.36	143.39
26 27 13 00-0035	EA		6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,276.16	159.32
26 27 13 00-0036	EA		7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	4,128.49	175.26
26 27 13 00-0037	EA		8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	4,332.11	191.19
26 27 13 00-0038	EA		10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	5,368.92	223.04

26 27 13 00-0039 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0016)

26 27 13 00-0040	EA		3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,684.46	111.52
26 27 13 00-0041	EA		4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,517.72	127.46
26 27 13 00-0042	EA		6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	4,955.26	159.32
26 27 13 00-0043	EA		7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	5,311.49	175.26
26 27 13 00-0044	EA		8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	6,793.47	191.19

26 27 13 00-0045 120/208 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)

26 27 13 00-0046 800 Amp Bus, 5 Jaw Sockets, 125 A Max., 2 Pole (26 27 13 00-0045)

26 27 13 00-0047	EA		3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,232.99	95.59
26 27 13 00-0048	EA		4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,612.12	111.52
26 27 13 00-0049	EA		5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,989.35	127.46
26 27 13 00-0050	EA		6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	2,309.34	143.39
26 27 13 00-0051	EA		7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	2,837.30	159.32

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0052	EA		8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	3,059.97	175.26
26 27 13 00-0053	EA		10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	3,772.46	207.11
26 27 13 00-0054			1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0055	EA		3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,194.67	95.59
26 27 13 00-0056	EA		4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,894.35	111.52
26 27 13 00-0057	EA		6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	4,179.25	143.39
26 27 13 00-0058	EA		7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	4,592.73	159.32
26 27 13 00-0059	EA		8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	5,559.58	175.26
26 27 13 00-0060			800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0061	EA		3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,834.82	127.46
26 27 13 00-0062	EA		4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,385.69	143.39
26 27 13 00-0063	EA		5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,951.81	159.32
26 27 13 00-0064	EA		6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,441.62	175.26
26 27 13 00-0065	EA		7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	4,332.15	191.19
26 27 13 00-0066	EA		8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	4,535.69	207.11
26 27 13 00-0067	EA		10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	5,648.89	238.98
26 27 13 00-0068			1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0069	EA		3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,811.75	127.46
26 27 13 00-0070	EA		4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,702.26	143.39
26 27 13 00-0071	EA		6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	5,311.53	175.26
26 27 13 00-0072	EA		7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	5,553.27	191.19
26 27 13 00-0073	EA		8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	7,054.35	207.11
26 27 13 00-0074			120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0075			800 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0076	EA		3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,132.44	79.66
26 27 13 00-0077	EA		4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,490.58	95.59
26 27 13 00-0078	EA		6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,140.09	127.46
26 27 13 00-0079	EA		7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,786.36	143.39
26 27 13 00-0080	EA		8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	3,447.88	159.32
26 27 13 00-0081			1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0082	EA		3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,086.48	79.66
26 27 13 00-0083	EA		4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,748.00	95.59
26 27 13 00-0084	EA		6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	3,975.66	127.46
26 27 13 00-0085	EA		7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	4,389.14	143.39
26 27 13 00-0086	EA		8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	5,279.63	159.32
26 27 13 00-0087			800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0088	EA		3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,734.24	111.52
26 27 13 00-0089	EA		4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,277.47	127.46
26 27 13 00-0090	EA		6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,276.16	159.32
26 27 13 00-0091	EA		7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	4,128.49	175.26
26 27 13 00-0092	EA		8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	4,332.11	191.19
26 27 13 00-0093			1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0094	EA		3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,684.47	111.52
26 27 13 00-0095	EA		4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,517.72	127.46
26 27 13 00-0096	EA		6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	4,955.26	159.32
26 27 13 00-0097	EA		7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	5,311.49	175.26
26 27 13 00-0098	EA		8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	6,793.52	191.19
26 27 13 00-0099			120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0100			800 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0101	EA		3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,232.99	95.59
26 27 13 00-0102	EA		4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,612.12	111.52
26 27 13 00-0103	EA		6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,309.34	143.39
26 27 13 00-0104	EA		7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	3,028.11	159.32
26 27 13 00-0105	EA		8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	3,441.58	175.26
26 27 13 00-0106			1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0107	EA		3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,194.66	95.59
26 27 13 00-0108	EA		4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,894.34	111.52
26 27 13 00-0109	EA		6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	3,988.45	143.39
26 27 13 00-0110	EA		7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	4,401.92	159.32
26 27 13 00-0111	EA		8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	5,559.54	175.26
26 27 13 00-0112			800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0113	EA		3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,834.80	127.46

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0114 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,385.66	143.39
26 27 13 00-0115 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,441.58	175.26
26 27 13 00-0116 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	4,332.11	191.19
26 27 13 00-0117 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	4,535.69	207.11
26 27 13 00-0118 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0119 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,811.73	127.46
26 27 13 00-0120 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,702.23	143.39
26 27 13 00-0121 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	5,311.49	175.26
26 27 13 00-0122 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	5,553.27	191.19
26 27 13 00-0123 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	7,054.35	207.11
26 27 13 00-0124 Watt/Hour Meters <small>(26 27 13)</small>		
26 27 13 00-0125 EA Single Phase M-90 Meter, Socket, NEMA 3R Enclosure.....	1,204.74	76.47
26 27 13 00-0126 EA Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	3,667.79	152.94
26 27 13 00-0127 EA Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,945.37	114.71
26 27 13 00-0128 EA Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,381.14	114.71
26 27 13 00-0129 EA Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure.....	2,009.38	114.71
26 27 13 00-0130 EA C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,361.61	105.78
26 27 13 00-0131 EA P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure.....	2,327.35	191.19
26 27 13 00-0132 Watt/Hour Meter Systems <small>(26 27 13)</small>		
Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0133 Watt/Hour Meter System Without Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0134 EA 400 Amp System; 200 Amp M-90 Meter And Enclosure.....	5,953.24	764.86
26 27 13 00-0135 EA 600-800 Amp System; 200 Amp M-90 Meter And Enclosure.....	6,981.65	764.86
26 27 13 00-0136 Watt/Hour Meter System With Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0137 EA 400 Amp System; 400 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	10,468.49	764.86
26 27 13 00-0138 EA 600 Amp System; 600 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	12,711.00	764.86
26 27 13 00-0139 EA 800 Amp System; 800 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	13,662.03	764.86
26 27 16 Electrical Cabinets And Enclosures <small>(26 27)</small>		
26 27 16 00-0001 NEMA 1 Enclosures, Lockable <small>(26 27 16)</small>		
26 27 16 00-0002 Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0003 4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0004 EA 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	71.67	25.49
26 27 16 00-0005 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	79.64	28.04
26 27 16 00-0006 EA 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	87.66	30.58
26 27 16 00-0007 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	102.31	35.69
26 27 16 00-0008 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	110.59	38.24
26 27 16 00-0009 EA 10" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	119.24	40.79
26 27 16 00-0010 EA 12" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	119.06	40.79
26 27 16 00-0011 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	127.82	43.33
26 27 16 00-0012 EA 12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	136.86	45.89
26 27 16 00-0013 EA 16" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	179.71	61.18
26 27 16 00-0014 EA 16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	217.62	73.93
26 27 16 00-0015 EA 18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	208.26	71.37
26 27 16 00-0016 6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0017 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	88.01	30.58
26 27 16 00-0018 EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	104.93	35.69
26 27 16 00-0019 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	126.24	43.33
26 27 16 00-0020 EA 10" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	135.14	45.89
26 27 16 00-0021 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	144.17	48.43
26 27 16 00-0022 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	153.44	50.98
26 27 16 00-0023 EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	196.88	66.28
26 27 16 00-0024 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	240.32	81.57
26 27 16 00-0025 EA 18" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	232.23	79.03
26 27 16 00-0026 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	301.17	101.97
26 27 16 00-0027 EA 24" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	368.45	117.26
26 27 16 00-0028 EA 24" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	412.34	127.46
26 27 16 00-0029 EA 30" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	450.01	135.11
26 27 16 00-0030 EA 36" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	481.30	140.20
26 27 16 00-0031 Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0032 3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0033 EA 4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	51.05	17.85
26 27 16 00-0034 EA 6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	72.96	25.49
26 27 16 00-0035 EA 8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	80.97	28.04
26 27 16 00-0036 4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0037	EA		4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	57.54	20.39
26 27 16 00-0038	EA		6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	71.56	25.49
26 27 16 00-0039	EA		6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	79.48	28.04
26 27 16 00-0040	EA		8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	87.49	30.58
26 27 16 00-0041	EA		8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	102.08	35.69
26 27 16 00-0042	EA		10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	110.34	38.24
26 27 16 00-0043	EA		10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	118.90	40.79
26 27 16 00-0044	EA		12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	118.68	40.79
26 27 16 00-0045	EA		12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	127.48	43.33
26 27 16 00-0046	EA		12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	136.46	45.89
26 27 16 00-0047	EA		16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	179.71	61.18
26 27 16 00-0048	EA		16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	223.39	76.47
26 27 16 00-0049	EA		18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	207.71	71.37
26 27 16 00-0050	EA		18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	268.34	91.76
26 27 16 00-0051	EA		24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	368.83	114.71
26 27 16 00-0052			6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0053	EA		6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	87.80	30.58
26 27 16 00-0054	EA		8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	96.23	33.14
26 27 16 00-0055	EA		8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	110.95	38.24
26 27 16 00-0056	EA		10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	125.89	43.33
26 27 16 00-0057	EA		10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	134.78	45.89
26 27 16 00-0058	EA		12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	143.74	48.43
26 27 16 00-0059	EA		12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	152.95	50.98
26 27 16 00-0060	EA		16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	196.88	66.28
26 27 16 00-0061	EA		16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	242.05	81.57
26 27 16 00-0062	EA		18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	231.61	79.03
26 27 16 00-0063	EA		18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	300.32	101.97
26 27 16 00-0064	EA		24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	364.54	117.26
26 27 16 00-0065	EA		24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	410.54	127.46
26 27 16 00-0066	EA		30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	440.63	135.11
26 27 16 00-0067	EA		36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	474.04	140.20
26 27 16 00-0068			8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0069	EA		8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	125.89	43.33
26 27 16 00-0070	EA		12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	168.56	56.08
26 27 16 00-0071	EA		16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	214.37	71.37
26 27 16 00-0072	EA		16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	266.72	89.22
26 27 16 00-0073	EA		18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	256.39	86.67
26 27 16 00-0074	EA		18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	317.29	107.07
26 27 16 00-0075	EA		24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	356.95	122.36
26 27 16 00-0076	EA		24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	401.55	130.01
26 27 16 00-0077	EA		24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	452.34	140.20
26 27 16 00-0078	EA		30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	479.91	147.85
26 27 16 00-0079	EA		30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	501.71	152.94
26 27 16 00-0080	EA		36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	510.76	152.94
26 27 16 00-0081			10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0082	EA		18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	289.40	96.87
26 27 16 00-0083	EA		18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	378.18	124.90
26 27 16 00-0084	EA		24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	389.21	132.55
26 27 16 00-0085	EA		24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	474.39	142.75
26 27 16 00-0086	EA		24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	539.43	158.05
26 27 16 00-0087	EA		30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	585.83	163.15
26 27 16 00-0088	EA		36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	621.54	170.79
26 27 16 00-0089			12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0090	EA		18" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	417.27	137.65
26 27 16 00-0091	EA		24" x 12" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	424.17	145.30
26 27 16 00-0092	EA		24" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	522.73	158.05
26 27 16 00-0093	EA		24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	589.67	173.34
26 27 16 00-0094	EA		30" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	647.55	180.98
26 27 16 00-0095	EA		36" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	680.63	188.63
26 27 16 00-0096			NEMA 12 Enclosures, Lockable (26 27 16)		
			Note: Dust-tight enclosures.		
26 27 16 00-0097			Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0098			4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0097)		
26 27 16 00-0099	EA		4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	80.99	20.39
26 27 16 00-0100	EA		6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	107.43	28.04
26 27 16 00-0101	EA		8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	134.22	35.69
26 27 16 00-0102	EA		10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	144.78	38.24
26 27 16 00-0103	EA		12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	159.72	40.79
26 27 16 00-0104	EA		12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	171.25	43.33
26 27 16 00-0105			6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0097)		
26 27 16 00-0106	EA		6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	118.55	30.58

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

26 27 16 00-0107	EA			8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	129.88	33.14
26 27 16 00-0108				Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0096)</small>		
26 27 16 00-0109				4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0108)</small>		
26 27 16 00-0110	EA			4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	84.62	20.39
26 27 16 00-0111	EA			6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	108.75	28.04
26 27 16 00-0112	EA			8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	120.71	30.58
26 27 16 00-0113	EA			8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	139.51	35.69
26 27 16 00-0114	EA			10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	146.59	38.24
26 27 16 00-0115	EA			10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	164.27	40.79
26 27 16 00-0116	EA			12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	175.45	43.33
26 27 16 00-0117	EA			12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	192.70	45.89
26 27 16 00-0118				6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0108)</small>		
26 27 16 00-0119	EA			6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	125.21	30.58
26 27 16 00-0120	EA			8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	138.64	33.14
26 27 16 00-0121	EA			8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	155.40	38.24
26 27 16 00-0122	EA			10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	185.13	45.89
26 27 16 00-0123	EA			12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	203.39	50.98
26 27 16 00-0124	EA			16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	273.28	66.28
26 27 16 00-0125	EA			18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	421.99	101.97
26 27 16 00-0126	EA			24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	519.72	117.26
26 27 16 00-0127	EA			24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	576.34	127.46
26 27 16 00-0128				8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0108)</small>		
26 27 16 00-0129	EA			24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	557.60	130.01
26 27 16 00-0130	EA			24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	623.10	140.20
26 27 16 00-0131	EA			30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	672.24	147.85
26 27 16 00-0132	EA			30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	720.79	152.94
26 27 16 00-0133	EA			36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	715.14	152.94
26 27 16 00-0134				Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0096)</small>		
26 27 16 00-0135				8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0134)</small>		
26 27 16 00-0136	EA			60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,630.91	207.11
26 27 16 00-0137				10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0134)</small>		
26 27 16 00-0138	EA			60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,679.60	229.42
26 27 16 00-0139	EA			60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,897.79	245.36
26 27 16 00-0140	EA			72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,221.57	305.90
26 27 16 00-0141	EA			72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,511.65	360.70
26 27 16 00-0142				12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0134)</small>		
26 27 16 00-0143	EA			60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,979.55	360.70
26 27 16 00-0144	EA			60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,174.74	382.37
26 27 16 00-0145	EA			72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,427.25	407.86
26 27 16 00-0146	EA			72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,610.06	407.86
26 27 16 00-0147				NEMA 3 Enclosures, Lockable <small>(26 27 16)</small>		
				Note: Can be used underground or encased in concrete.		
26 27 16 00-0148				2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0149	EA			4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	276.77	89.22
26 27 16 00-0150				3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0151	EA			4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	292.32	89.22
26 27 16 00-0152	EA			5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	357.60	92.40
26 27 16 00-0153	EA			6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	368.19	92.40
26 27 16 00-0154	EA			6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	447.45	95.59
26 27 16 00-0155				4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0156	EA			4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	354.74	92.40
26 27 16 00-0157	EA			5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	382.42	92.40
26 27 16 00-0158	EA			6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	398.11	95.59
26 27 16 00-0159	EA			6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	483.15	95.59
26 27 16 00-0160	EA			8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	528.81	101.97
26 27 16 00-0161	EA			8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	568.18	108.34
26 27 16 00-0162	EA			10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	588.40	108.34
26 27 16 00-0163	EA			10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	686.96	111.52
26 27 16 00-0164	EA			12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	740.64	114.71

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0165	EA		12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	992.26	127.46
26 27 16 00-0166			6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0147)		
26 27 16 00-0167	EA		6" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	508.67	98.77
26 27 16 00-0168	EA		8" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	631.49	111.52
26 27 16 00-0169	EA		8" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	728.21	114.71
26 27 16 00-0170	EA		10" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	828.73	117.90
26 27 16 00-0171	EA		10" x 10" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	876.43	117.90
26 27 16 00-0172	EA		12" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	992.00	127.46
26 27 16 00-0173	EA		12" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,144.51	143.39
26 27 16 00-0174	EA		16" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,079.85	137.02
26 27 16 00-0175	EA		18" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,091.06	254.91
26 27 16 00-0176	EA		18" x 18" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,532.83	318.64
26 27 16 00-0177			8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0147)		
26 27 16 00-0178	EA		8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	886.22	121.09
26 27 16 00-0179	EA		12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,316.06	159.32
26 27 16 00-0180	EA		12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,335.55	159.32
26 27 16 00-0181	EA		16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,826.28	238.98
26 27 16 00-0182	EA		18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,361.69	254.91
26 27 16 00-0183	EA		24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	5,846.45	446.10
26 27 16 00-0184			10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0147)		
26 27 16 00-0185	EA		18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,133.53	318.64
26 27 16 00-0186			12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0147)		
26 27 16 00-0187	EA		18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	4,740.73	382.37
26 27 16 00-0188	EA		24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,925.06	350.50
26 27 16 00-0189			NEMA 3R Enclosures, Lockable (26 27 16)		
			Note: Rain-tight enclosures.		
26 27 16 00-0190			Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0188)		
26 27 16 00-0191			4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0192	EA		6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	79.23	25.49
26 27 16 00-0193	EA		6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	87.30	28.04
26 27 16 00-0194	EA		8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	105.49	28.04
26 27 16 00-0195			6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0196	EA		8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	140.38	38.24
26 27 16 00-0197	EA		10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	157.84	43.33
26 27 16 00-0198	EA		12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	181.37	48.43
26 27 16 00-0199	EA		12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	193.88	50.98
26 27 16 00-0200	EA		16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	252.25	66.28
26 27 16 00-0201	EA		16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	305.33	81.57
26 27 16 00-0202	EA		18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	362.74	101.97
26 27 16 00-0203			8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0204	EA		24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	511.40	130.01
26 27 16 00-0205	EA		24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	560.83	140.20
26 27 16 00-0206	EA		30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	615.47	147.85
26 27 16 00-0207	EA		30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	643.28	152.94
26 27 16 00-0208			10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0209	EA		12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	629.10	158.05
26 27 16 00-0210	EA		12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	710.50	178.44
26 27 16 00-0211	EA		12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	787.01	197.56
26 27 16 00-0212	EA		12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	865.86	217.95
26 27 16 00-0213	EA		12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	943.65	237.06
26 27 16 00-0214	EA		18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	444.55	124.90
26 27 16 00-0215	EA		24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	629.10	158.05
26 27 16 00-0216	EA		30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	706.74	163.15
26 27 16 00-0217	EA		36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	850.00	178.44
26 27 16 00-0218			12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0219	EA		12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	566.69	126.18
26 27 16 00-0220	EA		12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	636.27	141.48
26 27 16 00-0221	EA		12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	704.58	156.77
26 27 16 00-0222	EA		12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	777.93	173.34
26 27 16 00-0223	EA		12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	847.51	188.63
26 27 16 00-0224	EA		18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	423.75	94.32
26 27 16 00-0225	EA		18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	566.69	126.18
26 27 16 00-0226	EA		18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	636.27	141.48

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 27 16 00-0227	EA		18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	746.37	165.69
	26 27 16 00-0228	EA		18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	847.51	188.63
	26 27 16 00-0229	EA		30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	816.32	186.08
	26 27 16 00-0230	EA		36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	847.51	188.63
	26 27 16 00-0231	EA		36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	884.84	193.73
	26 27 16 00-0232	EA		36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	966.76	203.93
	26 27 16 00-0233	EA		42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,037.33	214.12
26 27 16 00-0234				Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0189)</small>		
26 27 16 00-0235				4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
	26 27 16 00-0236	EA		4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	63.10	20.39
	26 27 16 00-0237	EA		6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	77.37	25.49
	26 27 16 00-0238	EA		6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	85.29	28.04
	26 27 16 00-0239	EA		8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	93.91	30.58
	26 27 16 00-0240	EA		8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	109.27	35.69
	26 27 16 00-0241	EA		10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	118.24	38.24
	26 27 16 00-0242	EA		10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	127.72	40.79
	26 27 16 00-0243	EA		12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	127.38	40.79
	26 27 16 00-0244	EA		12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	137.61	43.33
	26 27 16 00-0245	EA		12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	147.08	45.89
	26 27 16 00-0246	EA		18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	224.87	71.37
	26 27 16 00-0247	EA		18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	295.49	91.76
26 27 16 00-0248				6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
	26 27 16 00-0249	EA		6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	90.60	30.58
	26 27 16 00-0250	EA		8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	119.14	38.24
	26 27 16 00-0251	EA		10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	134.99	43.33
	26 27 16 00-0252	EA		10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	144.91	45.89
	26 27 16 00-0253	EA		12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	144.42	45.89
	26 27 16 00-0254	EA		12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	154.75	48.43
	26 27 16 00-0255	EA		12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	165.13	50.98
	26 27 16 00-0256	EA		16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	215.17	66.28
	26 27 16 00-0257	EA		18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	251.22	79.03
	26 27 16 00-0258	EA		18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	330.73	101.97
	26 27 16 00-0259	EA		24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	349.33	109.61
	26 27 16 00-0260	EA		24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	388.97	117.26
	26 27 16 00-0261	EA		24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	432.18	127.46
26 27 16 00-0262				8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
	26 27 16 00-0263	EA		12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	183.56	56.08
	26 27 16 00-0264	EA		18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	272.86	86.67
	26 27 16 00-0265	EA		18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	365.08	112.16
	26 27 16 00-0266	EA		24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	430.72	130.01
	26 27 16 00-0267	EA		24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	478.48	140.20
	26 27 16 00-0268	EA		30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	521.41	147.85
26 27 16 00-0269				10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
	26 27 16 00-0270	EA		18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	404.26	124.90
	26 27 16 00-0271	EA		24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	531.14	158.05
	26 27 16 00-0272	EA		30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	569.54	163.15
26 27 16 00-0273				12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
	26 27 16 00-0274	EA		24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	585.14	173.34
	26 27 16 00-0275	EA		30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	747.17	188.63
	26 27 16 00-0276	EA		36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	770.63	193.73
	26 27 16 00-0277	EA		36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	872.19	203.93
26 27 16 00-0278				NEMA 4 Enclosures, Lockable <small>(26 27 16)</small>		
				Note: Water-tight enclosures.		
26 27 16 00-0279				Hinge Cover, Painted Steel NEMA 4 Enclosures <small>(26 27 16 00-0278)</small>		
	26 27 16 00-0280	EA		4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure.....	90.00	17.85
	26 27 16 00-0281	EA		6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure.....	106.15	21.67
	26 27 16 00-0282	EA		8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure.....	133.35	28.04
	26 27 16 00-0283	EA		6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure.....	128.19	28.04
	26 27 16 00-0284	EA		10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure.....	172.07	38.24
	26 27 16 00-0285	EA		12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure.....	212.68	45.89
	26 27 16 00-0286	EA		10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure.....	197.38	43.33
	26 27 16 00-0287	EA		12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure.....	230.56	50.98
	26 27 16 00-0288	EA		14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure.....	269.98	58.63
	26 27 16 00-0289	EA		16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure.....	330.01	73.93
26 27 16 00-0290				Clamp Cover, Painted Steel NEMA 4 Enclosures <small>(26 27 16 00-0278)</small>		
	26 27 16 00-0291	EA		4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure.....	84.01	17.85
	26 27 16 00-0292	EA		6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure.....	122.21	28.04

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 27 16 00-0293		Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures (26 27 16 00-0278)			
26 27 16 00-0294	EA	6" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure.....	107.49		24.48
26 27 16 00-0295	EA	8" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure.....	114.69		26.51
26 27 16 00-0296	EA	10" x 8" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure.....	142.83		34.67
26 27 16 00-0297	EA	12" x 10" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure.....	165.28		38.24
26 27 16 00-0298	EA	14" x 12" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure.....	212.13		48.43
26 27 16 00-0299	EA	16" x 14" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure.....	248.43		57.35
26 27 16 00-0300	EA	18" x 16" x 10" Screw Cover, Fiberglass NEMA 4 Enclosure.....	360.77		91.76
26 27 16 00-0301		NEMA 4X Enclosures, Lockable (26 27 16)			
		Note: Water-tight enclosures.			
26 27 16 00-0302		Clamp Cover, Aluminum NEMA 4X Enclosures (26 27 16 00-0301)			
26 27 16 00-0303	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure.....	164.66		20.39
26 27 16 00-0304	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure.....	197.96		28.04
26 27 16 00-0305	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure.....	253.50		38.24
26 27 16 00-0306	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure.....	307.24		45.89
26 27 16 00-0307	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure.....	380.76		58.63
26 27 16 00-0308	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure.....	454.13		73.93
26 27 16 00-0309		Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures (26 27 16 00-0301)			
26 27 16 00-0310	EA	4" x 4" x 3" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	147.70		17.85
		For 316L Stainless Steel, Add	27.84		
26 27 16 00-0311	EA	6" x 4" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	195.66		25.49
		For 316L Stainless Steel, Add	35.62		
26 27 16 00-0312	EA	6" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	220.40		28.04
		For 316L Stainless Steel, Add	40.58		
26 27 16 00-0313	EA	8" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	249.92		30.58
		For 316L Stainless Steel, Add	46.83		
26 27 16 00-0314	EA	10" x 8" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	307.98		38.24
		For 316L Stainless Steel, Add	57.35		
26 27 16 00-0315	EA	12" x 10" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	424.91		48.43
		For 316L Stainless Steel, Add	82.03		
26 27 16 00-0316	EA	14" x 12" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	527.00		58.63
		For 316L Stainless Steel, Add	102.72		
26 27 16 00-0317	EA	16" x 14" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	640.35		73.93
		For 316L Stainless Steel, Add	123.00		
26 27 16 00-0318		Screw Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0301)			
		Note: NEMA 3R, 4, 4X and 12 rated.			
26 27 16 00-0319	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	115.67		28.04
26 27 16 00-0320	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	129.24		30.58
26 27 16 00-0321	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	148.59		35.69
26 27 16 00-0322	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	160.96		38.24
26 27 16 00-0323	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	185.10		43.33
26 27 16 00-0324	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	176.70		43.33
26 27 16 00-0325	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	203.81		48.43
26 27 16 00-0326	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	253.31		58.63
26 27 16 00-0327	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	329.07		80.30
26 27 16 00-0328	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	436.24		115.60
26 27 16 00-0329	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	122.28		28.04
26 27 16 00-0330	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	137.04		30.58
26 27 16 00-0331	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	156.99		35.69
26 27 16 00-0332	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	171.15		38.24
26 27 16 00-0333	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	195.89		43.33
26 27 16 00-0334	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	186.90		43.33
26 27 16 00-0335	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	217.64		48.43
26 27 16 00-0336	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	260.50		58.63
26 27 16 00-0337	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	344.06		80.30
26 27 16 00-0338	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	452.43		115.60
26 27 16 00-0339		Hinged Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0301)			
		Note: NEMA 3R, 4, 4X and 12 rated.			
26 27 16 00-0340	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	134.27		28.04
26 27 16 00-0341	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	144.24		30.58
26 27 16 00-0342	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	164.78		35.69
26 27 16 00-0343	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	177.75		38.24
26 27 16 00-0344	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	208.49		43.33
26 27 16 00-0345	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	195.30		43.33
26 27 16 00-0346	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	235.02		48.43
26 27 16 00-0347	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	280.30		58.63
26 27 16 00-0348	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	352.46		80.30
26 27 16 00-0349	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	466.82		115.60
26 27 16 00-0350	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	139.07		28.04
26 27 16 00-0351	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	153.23		30.58
26 27 16 00-0352	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	173.17		35.69
26 27 16 00-0353	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	186.74		38.24
26 27 16 00-0354	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	220.48		43.33
26 27 16 00-0355	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	205.48		43.33
26 27 16 00-0356	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	247.62		48.43
26 27 16 00-0357	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	286.30		58.63

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0358 EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	372.24	80.30
26 27 16 00-0359 EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	487.81	115.60
26 27 16 00-0360 NEMA 7/9 Enclosures, Lockable <small>(26 27 16)</small> Note: Nominal inside dimensions.		
26 27 16 00-0361 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0362 EA 6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,045.30	143.39
For Mounting Pan, Add	40.15	
26 27 16 00-0363 EA 6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	860.84	152.94
For Mounting Pan, Add	74.82	
26 27 16 00-0364 EA 8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,592.86	172.07
For Mounting Pan, Add	103.17	
26 27 16 00-0365 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0366 EA 8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,429.92	172.07
For Mounting Pan, Add	52.46	
26 27 16 00-0367 EA 8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,829.85	176.85
For Mounting Pan, Add	103.17	
26 27 16 00-0368 EA 8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,879.41	191.19
For Mounting Pan, Add	78.92	
26 27 16 00-0369 EA 10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,925.21	191.19
For Mounting Pan, Add	92.33	
26 27 16 00-0370 EA 10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,699.80	238.98
For Mounting Pan, Add	121.14	
26 27 16 00-0371 EA 12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,538.08	215.08
For Mounting Pan, Add	75.64	
26 27 16 00-0372 EA 12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,637.10	238.98
For Mounting Pan, Add	113.17	
26 27 16 00-0373 EA 12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,116.76	430.17
For Mounting Pan, Add	152.26	
26 27 16 00-0374 EA 14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,229.90	286.78
For Mounting Pan, Add	148.25	
26 27 16 00-0375 EA 16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,310.78	477.96
For Mounting Pan, Add	136.10	
26 27 16 00-0376 EA 18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	5,099.37	477.96
For Mounting Pan, Add	221.26	
26 27 16 00-0377 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0378 EA 8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,188.01	215.08
For Mounting Pan, Add	78.92	
26 27 16 00-0379 EA 10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,202.25	215.08
For Mounting Pan, Add	92.33	
26 27 16 00-0380 EA 10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,473.33	215.08
For Mounting Pan, Add	121.14	
26 27 16 00-0381 EA 12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,740.98	238.98
For Mounting Pan, Add	75.64	
26 27 16 00-0382 EA 12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,043.33	430.17
For Mounting Pan, Add	113.17	
26 27 16 00-0383 EA 12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,921.83	525.76
For Mounting Pan, Add	152.26	
26 27 16 00-0384 EA 12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	7,584.76	621.34
For Mounting Pan, Add	228.98	
26 27 16 00-0385 EA 14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,469.08	525.76
For Mounting Pan, Add	148.25	
26 27 16 00-0386 EA 16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,580.64	525.76
For Mounting Pan, Add	136.10	
26 27 16 00-0387 EA 16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	6,675.67	573.55
For Mounting Pan, Add	204.01	
26 27 16 00-0388 EA 18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	5,550.74	525.76
For Mounting Pan, Add	221.26	
26 27 16 00-0389 EA 18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	7,323.14	573.55
For Mounting Pan, Add	323.54	
26 27 16 00-0390 EA 18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	7,275.78	573.55
For Mounting Pan, Add	431.33	
26 27 16 00-0391 EA 18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	11,206.68	764.73
For Mounting Pan, Add	539.08	
26 27 16 00-0392 EA 24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	8,557.17	621.34
For Mounting Pan, Add	501.25	
26 27 16 00-0393 EA 24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	15,383.03	955.92
For Mounting Pan, Add	686.21	
26 27 16 00-0394 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0395 EA 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	7,871.74	621.34
For Mounting Pan, Add	228.98	
26 27 16 00-0396 EA 16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	7,247.26	573.55
For Mounting Pan, Add	204.01	
26 27 16 00-0397 EA 18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	7,893.10	621.34
For Mounting Pan, Add	323.54	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0398	EA		18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	9,888.47 539.08	669.14
26 27 16 00-0399	EA		24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	8,804.56 501.25	669.14
26 27 16 00-0400	EA		24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	16,697.71 686.21	955.92
26 27 16 00-0401			12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0360)		
26 27 16 00-0402	EA		12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	5,024.18 152.26	525.76
26 27 16 00-0403			Breaker Enclosures (26 27 16)		
			See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0404			15 To 100 Amp, F-Frame Breaker Enclosures (26 27 16 00-0403)		
26 27 16 00-0405	EA		NEMA 1, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	368.23	101.97
26 27 16 00-0406	EA		NEMA 3R, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	638.58	101.97
26 27 16 00-0407	EA		NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,524.37	140.20
26 27 16 00-0408	EA		NEMA 7, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	2,049.71	152.94
26 27 16 00-0409	EA		NEMA 9, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,513.35	152.94
26 27 16 00-0410	EA		NEMA 12, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	571.64	140.20
26 27 16 00-0411			15 To 250 Amp, H Or J-Frame Breaker Enclosures (26 27 16 00-0403)		
26 27 16 00-0412	EA		NEMA 1, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	577.70	140.20
26 27 16 00-0413	EA		NEMA 3R, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	1,010.63	140.20
26 27 16 00-0414	EA		NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	3,316.83	178.44
26 27 16 00-0415	EA		NEMA 12, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	862.79	178.44
26 27 16 00-0416			125 To 400 Amp, L-Frame Breaker Enclosures (26 27 16 00-0403)		
26 27 16 00-0417	EA		NEMA 1, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	931.98	280.40
26 27 16 00-0418	EA		NEMA 3R, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	1,999.58	280.40
26 27 16 00-0419	EA		NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	5,645.34	356.88
26 27 16 00-0420	EA		NEMA 12, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	1,498.62	356.88
26 27 16 00-0421			300 To 800 Amp, M-Frame Breaker Enclosures (26 27 16 00-0403)		
26 27 16 00-0422	EA		NEMA 1, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	1,819.17	535.32
26 27 16 00-0423	EA		NEMA 3R, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	2,947.52	535.32
26 27 16 00-0424	EA		NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	10,178.07	688.26
26 27 16 00-0425	EA		NEMA 12, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	5,651.63	688.26
26 27 16 00-0426			250 To 1,200 Amp, P-Frame Breaker Enclosures (26 27 16 00-0403)		
26 27 16 00-0427	EA		NEMA 1, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	2,166.02	535.32
26 27 16 00-0428	EA		NEMA 3R, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	3,496.05	535.32
26 27 16 00-0429	EA		NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	7,025.12	688.26
26 27 16 00-0430			Legend Plates (26 27 16)		
26 27 16 00-0431	EA		3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters.....	15.23	6.37
26 27 16 00-0432	EA		3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters.....	21.18	6.37
26 27 23			Indoor Service Poles (26 27)		
26 27 23 00-0001			Communication And Power Poles (26 27 23)		
			Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002			Steel Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0003			2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0004			2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
26 27 23 00-0005	EA		2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	269.46	56.51
26 27 23 00-0006	EA		2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	289.78	56.51
26 27 23 00-0007	EA		2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	313.29	56.51
26 27 23 00-0008			Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
			Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009	EA		Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	45.96	11.65
26 27 23 00-0010	EA		Add-On Cover Plate For Three Duplex Receptacles.....	48.81	11.65
26 27 23 00-0011	EA		Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	54.33	11.65
26 27 23 00-0012	EA		Add-On Cover Plate For Data And A/V Modular Devices.....	42.08	11.65
26 27 23 00-0013	EA		Add-On Radius Control Entrance End Fitting.....	35.89	11.65

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

26 27 23 00-0014		2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0015		2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0014)</small>		
26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	339.15	56.51
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	382.83	56.51
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	406.40	56.51
26 27 23 00-0019		Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0014)</small>		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020	EA	Add-On Cover Plate For One Single Receptacle.....	39.35	11.65
26 27 23 00-0021	EA	Add-On Cover Plate For One Duplex Receptacle.....	36.09	11.65
26 27 23 00-0022	EA	Add-On Cover Plate For Data And A/V Modular Devices.....	38.42	11.65
26 27 23 00-0023		3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0024		3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0023)</small>		
26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	431.70	56.51
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	484.28	56.51
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	518.93	56.51
26 27 23 00-0028		Additional Cover Plates For 3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0023)</small>		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA	Add-On Cover Plate For One Single Receptacle.....	39.35	11.65
26 27 23 00-0030	EA	Add-On Cover Plate For One Duplex Receptacle.....	36.09	11.65
26 27 23 00-0031	EA	Add-On Cover Plate For Data And A/V Modular Devices.....	38.42	11.65
26 27 23 00-0032		Aluminum Communication And Power Poles <small>(26 27 23 00-0001)</small>		
26 27 23 00-0033		2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0034		2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>		
26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	352.83	56.51
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	389.58	56.51
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	430.79	56.51
26 27 23 00-0038		Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>		
26 27 23 00-0039	EA	Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	56.48	11.65
26 27 23 00-0040	EA	Add-On Cover Plate For Three Duplex Receptacles.....	57.51	11.65
26 27 23 00-0041	EA	Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	60.97	11.65
26 27 23 00-0042	EA	Add-On Cover Plate For Data And A/V Modular Devices.....	44.02	11.65
26 27 23 00-0043	EA	Add-On Radius Control Entrance End Fitting.....	35.89	11.65
26 27 23 00-0044		2-1/4" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	341.35	56.51
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	379.05	56.51
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	423.46	56.51
26 27 23 00-0048		5" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	677.13	56.51
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	769.59	56.51
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	873.15	56.51
26 27 23 00-0052		2" Diameter, Round Aluminum Communication And Power Pole <small>(26 27 23 00-0032)</small>		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	383.48	56.51
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole.....	364.85	56.51
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....	457.84	56.51

26 27 26 Wiring Devices (26 27)

26 27 26 00-0001		Receptacles <small>(26 27 26)</small>		
26 27 26 00-0002		General Use Receptacles <small>(26 27 26 00-0001)</small>		
26 27 26 00-0003		Receptacle Assemblies <small>(26 27 26 00-0002)</small>		
		Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA	1 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....	101.71	45.25
26 27 26 00-0005	EA	1 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....	109.43	48.43
26 27 26 00-0006	EA	2 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....	131.92	57.99
26 27 26 00-0007	EA	2 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....	147.33	64.36
26 27 26 00-0008	EA	1 Gang, 15 Amp, GFI, Duplex Receptacle Assembly.....	119.79	45.25
26 27 26 00-0009	EA	1 Gang, 20 Amp, GFI, Duplex Receptacle Assembly.....	128.46	48.43

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 27 26 00-0010		Receptacle Components (26 27 26 00-0002)			
26 27 26 00-0011	EA	15 Amp, NEMA 5-15, Single Receptacle, 125 Volt, 1 Phase	30.42		12.75
26 27 26 00-0012	EA	15 Amp, NEMA 5-15, Duplex Receptacle, 125 Volt, 1 Phase	29.37		12.75
26 27 26 00-0013	EA	15 Amp, Single Receptacle, 120/277 Volt, 3 Wire	35.58		12.75
26 27 26 00-0014	EA	15 Amp, Duplex Receptacle, 120/277 Volt, 3 Wire	39.18		12.75
26 27 26 00-0015	EA	15 Amp, NEMA 6-15, Single Receptacle, 250 Volt, 1 Phase	50.14		15.93
26 27 26 00-0016	EA	15 Amp, NEMA 6-15, Duplex Receptacle, 250 Volt, 1 Phase	61.94		15.93
26 27 26 00-0017	EA	20 Amp, NEMA 5-20, Single Receptacle, 125 Volt, 1 Phase	31.81		12.75
26 27 26 00-0018	EA	20 Amp, NEMA 5-20, Duplex Receptacle, 125 Volt, 1 Phase	30.70		12.75
26 27 26 00-0019	EA	20 Amp, Single Receptacle, 120/277 Volt	46.91		12.75
26 27 26 00-0020	EA	20 Amp, Duplex Receptacle, 120/277 Volt	38.05		12.75
26 27 26 00-0021	EA	20 Amp, NEMA 6-20, Single Receptacle, 250 Volt, 1 Phase	50.14		15.93
26 27 26 00-0022	EA	20 Amp, NEMA 6-20, Duplex Receptacle, 250 Volt, 1 Phase	61.94		15.93
26 27 26 00-0023	EA	20 Amp, NEMA 14-20, Single Receptacle, 125/250 Volt, 1 Phase	99.82		15.93
26 27 26 00-0024	EA	20 Amp, NEMA 15-20, Single Receptacle, 250 Volt, 3 Phase	99.82		15.93
26 27 26 00-0025	EA	25 Amp, Duplex Receptacle, 120/277 Volt	81.88		19.12
26 27 26 00-0026		Specialty Receptacles (26 27 26 00-0001)			
26 27 26 00-0027		Specialty Receptacles (26 27 26 00-0026)			
26 27 26 00-0028	EA	30 Amp, NEMA 5-30, Single Receptacle, 125 Volt, 1 Phase	71.40		22.30
26 27 26 00-0029	EA	30 Amp, NEMA 6-30, Single Receptacle, 250 Volt, 1 Phase	71.40		22.30
26 27 26 00-0030	EA	30 Amp, NEMA 10-30 Single Receptacles, 125/250 Volt	67.65		22.30
26 27 26 00-0031	EA	30 Amp, NEMA 14-30, Single Receptacle, 125/250 Volt, 1 Phase	112.55		22.30
26 27 26 00-0032	EA	30 Amp, NEMA 15-30, Single Receptacle, 250 Volt, 3 Phase	118.93		25.49
26 27 26 00-0033	EA	50 Amp, NEMA 5-50, Single Receptacle, 125 Volt, 1 Phase	109.11		25.49
26 27 26 00-0034	EA	50 Amp, NEMA 6-50, Single Receptacle, 250 Volt, 1 Phase	106.35		25.49
26 27 26 00-0035	EA	50 Amp, NEMA 7-50 Single Receptacles, 277 Volt	92.08		25.49
26 27 26 00-0036	EA	50 Amp, NEMA 10-50 Single Receptacles, 125/250 Volt	80.49		25.49
26 27 26 00-0037	EA	50 Amp, NEMA 14-50, Single Receptacle, 125/250 Volt, 1 Phase	134.03		25.49
26 27 26 00-0038	EA	50 Amp, NEMA 15-50, Single Receptacle, 250 Volt, 3 Phase	140.40		28.68
26 27 26 00-0039	EA	60 Amp, NEMA 14-60, Single Receptacle, 125/250 Volt, 1 Phase	154.33		31.87
26 27 26 00-0040	EA	60 Amp, NEMA 15-60, Single Receptacle, 250 Volt, 3 Phase	167.07		38.24
26 27 26 00-0041	EA	100 Amp, 3 Phase, 480 Volt Joy Receptacle With Box - Complete	1,607.30		299.53
26 27 26 00-0042	EA	400 Amp, 4 Pole Weatherproof Generator Receptacle With Box - Complete	4,072.78		366.43
26 27 26 00-0043	EA	30 Amp, Dryer Receptacle, 230 Volt	85.63		25.49
26 27 26 00-0044	EA	60 Amp, Range Receptacle, 230 Volt	125.02		38.24
26 27 26 00-0045	EA	15 Or 20 Amp, Clock Hanger Receptacle, 120/277 Volt	83.46		15.93
26 27 26 00-0046	EA	Cable Reel With 20 Amp, 120 Volt Receptacle - Complete	1,659.15		388.36
26 27 26 00-0047		Isolated Ground Receptacles (26 27 26 00-0026)			
26 27 26 00-0048	EA	15 Amp, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex	64.04		12.75
		Note: 2 Pole, 3 wire.			
26 27 26 00-0049	EA	20 Amp, 120 Volt Isolated Ground Receptacles, Simplex	70.02		15.93
26 27 26 00-0050	EA	20 Amp, 120 Volt Isolated Ground Receptacles, Duplex	69.75		15.93
26 27 26 00-0051	EA	30 Amp, 120 Volt Isolated Ground Receptacles, Simplex	95.68		25.49
26 27 26 00-0052	EA	Locking 15 Amp, 250 Volt Isolated Ground Receptacles	79.11		15.93
26 27 26 00-0053	EA	Locking 15 Amp, 277 Volt Isolated Ground Receptacles	72.04		15.93
26 27 26 00-0054	EA	Locking 20 Amp, 120/208 Volt Isolated Ground Receptacles	100.53		19.12
26 27 26 00-0055	EA	Locking 20 Amp, 277/480 Volt Isolated Ground Receptacles	78.51		19.12
26 27 26 00-0056	EA	Locking 20 Amp, 347/600 Volt Isolated Ground Receptacles	103.14		19.12
26 27 26 00-0057	EA	Locking 30 Amp, 120/208 Volt Isolated Ground Receptacles	127.15		19.12
26 27 26 00-0058	EA	Locking 30 Amp, 277 Volt Isolated Ground Receptacles	122.96		25.49
26 27 26 00-0059		Explosion Proof Receptacles (26 27 26 00-0026)			
26 27 26 00-0060	EA	1/2", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	557.93		31.87
26 27 26 00-0061	EA	3/4", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	519.09		35.05
26 27 26 00-0062	EA	3/4", 30 Amp, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	867.86		63.73
26 27 26 00-0063	EA	3/4", 30 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,078.58		63.73
26 27 26 00-0064	EA	1-1/4", 60 Amp, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,378.02		95.59
26 27 26 00-0065	EA	1-1/4", 60 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,317.01		95.59
26 27 26 00-0066		Ground Fault Circuit Interrupter (GFCI) (26 27 26 00-0026)			
26 27 26 00-0067	EA	15 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	44.25		15.93
26 27 26 00-0068	EA	20 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	62.48		19.12
26 27 26 00-0069	EA	15 Amp, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	47.38		21.69
26 27 26 00-0070	EA	20 Amp, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	81.02		25.49
26 27 26 00-0071		Arc Fault Circuit Interrupter (AFCI) (26 27 26 00-0026)			
26 27 26 00-0072	EA	15 Amp, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	83.67		15.93
26 27 26 00-0073	EA	20 Amp, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	92.43		15.93
26 27 26 00-0074		Locking Receptacle (26 27 26 00-0026)			
26 27 26 00-0075	EA	NEMA L5-15, 125 Volt, 2 Pole, 15 Amp, Locking Receptacle	46.36		15.93
26 27 26 00-0076	EA	NEMA L6-15, 250 Volt, 2 Pole, 15 Amp, Locking Receptacle	53.88		15.93
26 27 26 00-0077	EA	NEMA L5-20, 125 Volt, 2 Pole, 20 Amp, Locking Receptacle	52.64		19.12
26 27 26 00-0078	EA	NEMA L6-20, 250 Volt, 2 Pole, 20 Amp, Locking Receptacle	52.31		19.12
26 27 26 00-0079	EA	NEMA L8-20, 480 Volt, 2 Pole, 20 Amp, Locking Receptacle	58.93		19.12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0080 EA NEMA L9-20, 600 Volt, 2 Pole, 20 Amp, Locking Receptacle	67.48	19.12
26 27 26 00-0081 EA NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amp, Locking Receptacle.....	66.53	19.12
26 27 26 00-0082 EA NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amp, Locking Receptacle.....	60.28	19.12
26 27 26 00-0083 EA NEMA L5-30, 125 Volt, 2 Pole, 30 Amp, Locking Receptacle	71.89	25.49
26 27 26 00-0084 EA NEMA L6-30, 250 Volt, 2 Pole, 30 Amp, Locking, Receptacle	72.69	25.49
26 27 26 00-0085 EA NEMA L15-30, 250 Volt, 3 Pole, 30 Amp, Locking Receptacle.....	132.68	25.49
26 27 26 00-0086 Weathertight Pin And Sleeve Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0087 EA 20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W).....	225.33	63.73
26 27 26 00-0088 EA 20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W).....	224.92	63.73
26 27 26 00-0089 EA 20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W).....	232.56	63.73
26 27 26 00-0090 EA 20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W).....	277.67	70.10
26 27 26 00-0091 EA 20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W).....	278.30	70.10
26 27 26 00-0092 EA 20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W).....	276.83	70.10
26 27 26 00-0093 EA 30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W).....	327.35	78.38
26 27 26 00-0094 EA 30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W).....	314.93	78.38
26 27 26 00-0095 EA 30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W).....	334.37	78.38
26 27 26 00-0096 EA 30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W).....	343.17	86.04
26 27 26 00-0097 EA 30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W).....	342.93	86.04
26 27 26 00-0098 EA 30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W).....	344.69	86.04
26 27 26 00-0099 EA 60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W).....	467.69	101.97
26 27 26 00-0100 EA 60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W).....	452.65	101.97
26 27 26 00-0101 EA 60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W).....	462.44	101.97
26 27 26 00-0102 EA 60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W).....	514.89	113.44
26 27 26 00-0103 EA 60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W).....	515.18	113.44
26 27 26 00-0104 EA 60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W).....	515.47	113.44
26 27 26 00-0105 EA 100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W).....	574.04	127.46
26 27 26 00-0106 EA 100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W).....	593.31	127.46
26 27 26 00-0107 EA 100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W).....	640.75	140.20
26 27 26 00-0108 EA 100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W).....	639.30	140.20
26 27 26 00-0109 EA 100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W).....	642.02	140.20
26 27 26 00-0110 Corrosion Resistant Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0111 EA 15/20 Amp, 125 Volt Corrosion Resistant, Power Receptacles.....	88.51	12.75
26 27 26 00-0112 EA 15/20 Amp, 250 Volt Corrosion Resistant, Power Receptacles.....	180.78	15.93
26 27 26 00-0113 Tamper Resistant Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0114 EA 15 Amp, 125 Volt Duplex Tamper Resistant Receptacle	28.71	12.75
Note: Pass & Seymour 3232-TR.		
26 27 26 00-0115 EA 20 Amp, 125 Volt Duplex Tamper Resistant Receptacle	30.37	12.75
Note: Pass & Seymour TR20.		
26 27 26 00-0116 EA 15 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle.....	35.14	12.75
Note: Pass & Seymour TR5251.		
26 27 26 00-0117 EA 20 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle.....	37.37	12.75
Note: Pass & Seymour TR5351.		
26 27 26 00-0118 EA 15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle.....	50.79	12.75
Note: Pass & Seymour S1595-TR*CC8.		
26 27 26 00-0119 EA 15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	53.99	12.75
Note: Pass & Seymour 1595-TRS.		
26 27 26 00-0120 EA 20 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	57.05	12.75
Note: Pass & Seymour 2095-TRS.		
26 27 26 00-0121 USB Charger/Duplex Tamper-Resistant Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0122 EA 15 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	51.99	12.75
26 27 26 00-0123 EA 20 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	55.30	12.75
26 27 26 00-0124 Switches <small>(26 27 26)</small>		
26 27 26 00-0125 Switches <small>(26 27 26 00-0124)</small>		
26 27 26 00-0126 Switch Assemblies <small>(26 27 26 00-0125)</small>		
Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0127 EA 1 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	106.26	44.60
26 27 26 00-0128 EA 1 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	114.56	48.43
26 27 26 00-0129 EA 2 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	144.18	58.31
26 27 26 00-0130 EA 2 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	158.23	64.68
26 27 26 00-0131 EA 3 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	245.29	100.06
26 27 26 00-0132 EA 3 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	266.38	109.61
26 27 26 00-0133 EA 4 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	282.70	113.11
26 27 26 00-0134 EA 4 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	310.82	125.86
26 27 26 00-0135 Switch Components <small>(26 27 26 00-0125)</small>		
26 27 26 00-0136 EA 15 Amp, 120/277 Volt, SPST Switch	35.18	12.75
26 27 26 00-0137 EA 15 Amp, 120/277 Volt, 3-Way Switch	44.60	15.93
26 27 26 00-0138 EA 15 Amp, 120/277 Volt, 4-Way Switch	87.92	25.49
26 27 26 00-0139 EA 15 Amp, 120/277 Volt, DPST Switch	40.82	12.75
26 27 26 00-0140 EA 15 Amp, 120/277 Volt, Thermal Switch.....	80.04	15.93
26 27 26 00-0141 EA 20 Amp, 120/277 Volt, SPST Switch	42.21	15.93

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

26 27 26 00-0142	EA	20 Amp, 120/277 Volt, 3-Way Switch.....	52.38	19.12
26 27 26 00-0143	EA	20 Amp, 120/277 Volt, 4-Way Switch.....	121.45	25.49
26 27 26 00-0144	EA	20 Amp, 120/277 Volt, DPST Switch.....	51.25	15.93
26 27 26 00-0145	EA	20 Amp, 120/277 Volt, DPDT Switch.....	55.25	15.93
26 27 26 00-0146	EA	15 Amp, 120/277 Volt, Single Pole, Momentary Contact Switch, Toggle, Three Position, Center Off.....	55.54	15.95
26 27 26 00-0147	EA	15 Amp, 120/277 Volt, Momentary Contact Switch, Key Operated, Single Pole, Three Position, Center Off.....	68.18	15.95
26 27 26 00-0148	EA	Momentary Contact Switch With Separate Neon Pilot.....	55.12	19.14
		Note: Neon Pilot is 125 V, 1 / 125W.		
26 27 26 00-0149	EA	20 Amp, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off.....	64.67	22.30
		Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0150	EA	20 Amp, 125 Volt AC, Double Pole, Maintained Contact Switch.....	80.22	25.49
		Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0151	EA	20 Amp, 125 Volt AC, Three Pole, Maintained Contact Switch.....	121.53	25.49
		Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0152	EA	30 Amp, 120/277 Volt, Single Pole Local Switch.....	60.00	25.51
26 27 26 00-0153	EA	30 Amp, 120/277 Volt, Double Pole Local Switch.....	71.35	25.51
26 27 26 00-0154	EA	30 Amp, 120/277 Volt, Three-Way Local Switch.....	76.91	31.90
26 27 26 00-0155	EA	30 Amp, 120/277 Volt, Four-Way Local Switch.....	103.23	35.09
26 27 26 00-0156	EA	15 Amp, 120/277 Volt, Local Switch With Neon Pilot.....	60.40	20.86
26 27 26 00-0157	EA	15 Amp, 120/277 Volt, Local Switch With Separate Neon Pilot.....	77.71	20.86
		Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0158	EA	15 Amp, 120 Volt, Single Pole Lighted Toggle Switch, Clear Toggle, Lighted In On Position.....	70.25	20.86
26 27 26 00-0159	EA	15 Amp, 120 Volt, Lighted Toggle Switch, Ivory Toggle, Lighted In Off Position.....	67.68	20.86
26 27 26 00-0160	EA	Automatic Door Switch, Door Open-Light On, 6 Amp, 125 Volt.....	63.68	10.34
26 27 26 00-0161	EA	Automatic Door Switch, Door Closed-Light On, 6 Amp, 125 Volt.....	67.16	10.34
26 27 26 00-0162	EA	15 Amp, 120/277 Volt, Single Pole Momentary Contact Switch, Three Position, Center Off, Toggle.....	79.40	39.81
26 27 26 00-0163	EA	Momentary Contact Switch, Three Position, Center Off, Key Operated.....	92.04	39.81
		Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0164	EA	Single Pole, Slide Dimmer (Leviton IP710-LFZ).....	100.13	12.76
26 27 26 00-0165	EA	8 Amp, 120/277 Volt, 0-10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH).....	95.71	12.76
26 27 26 00-0166	EA	120-277 Volt, (8 Amp Lighting/3 Amp Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH).....	133.01	12.75
26 27 26 00-0167	EA	120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH).....	50.29	12.75
26 27 26 00-0168	EA	Sunrise Electronic Wall Dimmer, 1200VA 0-10V LED and Fluorescent (Philips SR1200ZTUNV).....	102.20	12.76
26 27 26 00-0169	EA	1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000).....	117.74	12.76
26 27 26 00-0170	EA	2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000).....	151.64	12.76
26 27 26 00-0171	EA	Wireless Single Rocker Remote Switch (Leviton WSS0S-S9).....	102.76	12.76

26 27 26 00-0172 Specialty Switches (26 27 26 00-0124)**26 27 26 00-0173 Dimmers With SPST Switch** (26 27 26 00-0172)

26 27 26 00-0174	EA	600 Watt Dimmers With SPST Switch.....	78.30	28.68
26 27 26 00-0175	EA	1,000 Watt Dimmers With SPST Switch.....	143.66	28.68
26 27 26 00-0176	EA	1,500 Watt Dimmers With SPST Switch.....	261.09	46.14
26 27 26 00-0177	EA	2,000 Watt Dimmers With SPST Switch.....	344.49	46.14
26 27 26 00-0178	EA	600 Watt Fluorescent Dimmer Switch.....	188.23	34.03
26 27 26 00-0179	EA	1,000 Watt Fluorescent Dimmer Switch.....	259.99	34.03
26 27 26 00-0180	EA	1,500 Watt Fluorescent Dimmer Switch.....	475.01	51.36
26 27 26 00-0181	EA	Remote Speed Switch For Paddle Fan.....	131.06	42.44
26 27 26 00-0182	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer.....	219.06	63.34

26 27 26 00-0183 Time Switches (26 27 26 00-0172)

26 27 26 00-0184	EA	40 Amp, SPST, 125 Volt, Standard Time Switch.....	151.97	38.24
26 27 26 00-0185	EA	40 Amp, SPST, 277 Volt, Standard Time Switch.....	155.74	38.24
26 27 26 00-0186	EA	40 Amp, DPST, 125 Volt, Standard Time Switch.....	151.97	38.24
26 27 26 00-0187	EA	40 Amp, DPST, 277 Volt, Standard Time Switch.....	155.74	38.24
26 27 26 00-0188	EA	40 Amp, SPST, 125 Volt, 7-Day Time Switch.....	177.14	38.24
26 27 26 00-0189	EA	40 Amp, SPST, 277 Volt, 7-Day Time Switch.....	177.14	38.24
26 27 26 00-0190	EA	40 Amp, DPDT, 125 Volt, 7-Day Time Switch.....	325.62	38.24
26 27 26 00-0191	EA	40 Amp, DPDT, 277 Volt, 7-Day Time Switch.....	325.62	38.24
26 27 26 00-0192	EA	20 Amp, SPST, 125 Volt, Programmable Time Switch.....	277.98	38.24
26 27 26 00-0193	EA	20 Amp, SPST, 277 Volt, Programmable Time Switch.....	307.07	38.24
26 27 26 00-0194	EA	20 Amp, SPST, 277 Volt, Programmable Time Switch - Weatherproof.....	307.07	38.24
26 27 26 00-0195	EA	40 Amp, 4PST, 125 Volt, Astro Dial Time Switch.....	375.82	38.24
26 27 26 00-0196	EA	40 Amp, 4PST, 277 Volt, Astro Dial Time Switch.....	387.40	38.24
26 27 26 00-0197	EA	40 Amp, SPST, 125 Volt, Standard Time Switch - Weatherproof.....	151.97	38.24
26 27 26 00-0198	EA	40 Amp, SPST, 277 Volt, Standard Time Switch - Weatherproof.....	155.74	38.24
26 27 26 00-0199	EA	40 Amp, DPST, 125 Volt, Standard Time Switch - Weatherproof.....	151.97	38.24
26 27 26 00-0200	EA	40 Amp, DPST, 277 Volt, Standard Time Switch - Weatherproof.....	155.74	38.24
26 27 26 00-0201	EA	40 Amp, SPST, 125 Volt, 7-Day Time Switch - Weatherproof.....	177.14	38.24
26 27 26 00-0202	EA	40 Amp, SPST, 277 Volt, 7-Day Time Switch - Weatherproof.....	177.14	38.24
26 27 26 00-0203	EA	40 Amp, DPDT, 125 Volt, 7-Day Time Switch - Weatherproof.....	325.62	38.24
26 27 26 00-0204	EA	40 Amp, DPDT, 277 Volt, 7-Day Time Switch - Weatherproof.....	325.62	38.24
26 27 26 00-0205	EA	40 Amp, 4PST, 125 Volt, Astro Dial Time Switch - Weatherproof.....	375.82	38.24
26 27 26 00-0206	EA	40 Amp, 4PST, 277 Volt, Astro Dial Time Switch - Weatherproof.....	387.40	38.24

26 27 26 00-0207 Low Voltage Switching (26 27 26 00-0172)

26 27 26 00-0208	EA	36 Pin Male Or Female Connector.....	269.58	12.75
------------------	----	--------------------------------------	--------	-------

26 27 26 00-0209 Other Switches (26 27 26 00-0172)

26 27 26 00-0210	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture.....	42.92	19.12
26 27 26 00-0211	EA	Locking Switch, SPST Concealed Devices.....	134.42	50.98

MINOR	CSI	UOM	DESCRIPTION			TOTAL DIRECT	DEMOLITION		
						UNIT COST	UNIT COST		

26 27 26 00-0212	EA		Locking Switch, 3-Way Concealed Devices.....	136.45			50.98		
26 27 26 00-0213	EA		Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	152.84			47.67		
26 27 26 00-0214	EA		15 Amp Momentary Contact Switch.....	144.60			47.67		
26 27 26 00-0215	EA		20 Amp Momentary Contact Switch.....	153.28			47.67		
26 27 26 00-0216	EA		2-1/4" Handy Box Cover Units Fuseholder Switch.....	139.04			57.42		
26 27 26 00-0217	EA		2-3/4" Handy Box Cover Units Fuseholder Switch.....	141.47			57.42		
26 27 26 00-0218	EA		4" Square Box Cover Units With 2 Fuseholders And 2 Switches.....	174.25			70.18		
26 27 26 00-0219	EA		4" Square Box Cover Units With 1 Fuseholder And 1 Switch	158.46			63.80		
26 27 26 00-0220	EA		4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch.....	159.07			63.80		

26 27 26 00-0221 Plates And Covers (26 27 26)

26 27 26 00-0222 Wall Plates (26 27 26 00-0221)

26 27 26 00-0223 Nylon Wall Plates (26 27 26 00-0222)

26 27 26 00-0224	EA		1 Gang Nylon Switch Plate.....	1.68			0.64		
26 27 26 00-0225	EA		2 Gang Nylon Switch Plate.....	2.74			0.95		
26 27 26 00-0226	EA		3 Gang Nylon Switch Plate.....	3.83			1.27		
26 27 26 00-0227	EA		4 Gang Nylon Switch Plate.....	5.29			1.59		
26 27 26 00-0228	EA		1 Gang Duplex Nylon Wall Plate.....	1.69			0.64		
26 27 26 00-0229	EA		2 Gang Duplex Nylon Wall Plate.....	2.79			0.95		

26 27 26 00-0230 Plastic Wall Plates (26 27 26 00-0222)

26 27 26 00-0231	EA		1 Gang Plastic Switch Plate.....	1.60			0.64		
26 27 26 00-0232	EA		2 Gang Plastic Switch Plate.....	2.57			0.95		
26 27 26 00-0233	EA		3 Gang Plastic Switch Plate.....	3.57			1.27		
26 27 26 00-0234	EA		4 Gang Plastic Switch Plate.....	5.29			1.59		
26 27 26 00-0235	EA		1 Gang Duplex Plastic Wall Plate	1.60			0.64		
26 27 26 00-0236	EA		2 Gang Duplex Plastic Wall Plate	2.58			0.95		

26 27 26 00-0237 Brass Wall Plates (26 27 26 00-0222)

26 27 26 00-0238	EA		1 Gang 0.04" Brass Switch Plate.....	13.53			2.87		
26 27 26 00-0239	EA		2 Gang 0.04" Brass Switch Plate.....	23.55			3.32		
26 27 26 00-0240	EA		3 Gang 0.04" Brass Switch Plate.....	33.43			3.70		
26 27 26 00-0241	EA		4 Gang 0.04" Brass Switch Plate.....	50.48			4.02		
26 27 26 00-0242	EA		5 Gang 0.04" Brass Switch Plate.....	60.94			4.27		
26 27 26 00-0243	EA		6 Gang 0.04" Brass Switch Plate.....	70.11			4.46		
26 27 26 00-0244	EA		1 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	13.53			2.87		
26 27 26 00-0245	EA		2 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	27.10			3.32		
26 27 26 00-0246	EA		3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	38.11			3.70		

26 27 26 00-0247 Stainless Steel Wall Plates (26 27 26 00-0222)

26 27 26 00-0248	EA		1 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	8.41			2.87		
26 27 26 00-0249	EA		2 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	12.36			3.32		
26 27 26 00-0250	EA		3 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	16.44			3.70		
26 27 26 00-0251	EA		4 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	22.88			4.02		
26 27 26 00-0252	EA		5 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	26.54			4.27		
26 27 26 00-0253	EA		6 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	31.48			4.46		
26 27 26 00-0254	EA		1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	8.97			2.87		
26 27 26 00-0255	EA		2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	13.69			3.32		
26 27 26 00-0256	EA		3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	20.83			3.70		
26 27 26 00-0257	EA		4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	24.79			4.02		

26 27 26 00-0258 Chrome Wall Plates (26 27 26 00-0222)

26 27 26 00-0259	EA		1 Gang 0.040" Chrome Switch Plate With Chromium Finish	24.56			2.87		
26 27 26 00-0260	EA		2 Gang 0.040" Chrome Switch Plate With Chromium Finish	44.21			3.32		
26 27 26 00-0261	EA		3 Gang 0.040" Chrome Switch Plate With Chromium Finish	63.77			3.70		
26 27 26 00-0262	EA		1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish.....	24.54			2.87		

26 27 26 00-0263 Weatherproof Covers (26 27 26 00-0221)

26 27 26 00-0264 Stamped Metallic Weatherproof Covers (26 27 26 00-0263)

Note: Includes electrostatically applied powder coating and neoprene gasket.

26 27 26 00-0265	EA		Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC).....	8.70			0.64		
26 27 26 00-0266	EA		Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	9.39			0.64		
26 27 26 00-0267	EA		Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	9.39			0.64		
26 27 26 00-0268	EA		Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC).....	9.39			0.64		
26 27 26 00-0269	EA		Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC).....	11.65			0.95		
26 27 26 00-0270	EA		Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC).....	13.13			0.95		
26 27 26 00-0271	EA		Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC).....	13.28			0.95		
26 27 26 00-0272	EA		Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC).....	13.28			0.95		
26 27 26 00-0273	EA		Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC).....	17.81			0.95		
26 27 26 00-0274	EA		Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB).....	17.15			1.27		
26 27 26 00-0275	EA		Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT).....	18.67			1.27		

26 27 26 00-0276 Cast Metallic Weatherproof Covers (26 27 26 00-0263)

Note: Includes electrostatically applied powder coating and neoprene gasket.

26 27 26 00-0277	EA		Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC).....	10.55			0.64		
------------------	----	--	---	-------	--	--	------	--	--

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0278	EA		Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA).....	32.72	0.64
26 27 26 00-0279	EA		Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR).....	36.63	0.64
26 27 26 00-0280	EA		Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG).....	10.48	0.64
26 27 26 00-0281	EA		Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	27.80	0.64
26 27 26 00-0282	EA		Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	45.95	0.64
26 27 26 00-0283	EA		Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	58.38	0.64
26 27 26 00-0284	EA		Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC).....	13.28	0.95
26 27 26 00-0285	EA		Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST).....	92.19	0.95
26 27 26 00-0286	EA		Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	22.01	1.27
26 27 26 00-0287	EA		Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST).....	88.34	1.27
26 27 26 00-0288			Die Cast Aluminum Weatherproof Covers <small>(26 27 26 00-0263)</small>		
			Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0289	EA		Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	3.72	0.64
26 27 26 00-0290	EA		Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026).....	4.62	0.64
26 27 26 00-0291	EA		Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032).....	6.29	0.95
26 27 26 00-0292	EA		Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	6.76	0.95
26 27 26 00-0293	EA		Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042).....	6.76	0.95
26 27 26 00-0294	EA		Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043).....	7.43	0.95
26 27 26 00-0295			Heavy Duty Die Cast Aluminum Weatherproof Covers <small>(26 27 26 00-0263)</small>		
			Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0296	EA		Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510).....	32.92	0.64
26 27 26 00-0297			Polycarbonate Weatherproof Covers <small>(26 27 26 00-0263)</small>		
			Note: Includes neoprene gasket.		
26 27 26 00-0298	EA		Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.07	0.64
26 27 26 00-0299	EA		Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	7.07	0.64
26 27 26 00-0300	EA		Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.07	0.64
26 27 26 00-0301	EA		Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	8.89	0.95
26 27 26 00-0302	EA		Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	8.89	0.95
26 27 26 00-0303			High Impact Thermoplastic Weatherproof Covers <small>(26 27 26 00-0263)</small>		
			Note: Includes neoprene gasket.		
26 27 26 00-0304	EA		Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	51.34	0.64
26 27 26 00-0305			Non Metallic (PVC) Weatherproof Covers <small>(26 27 26 00-0263)</small>		
			Note: Includes neoprene gasket.		
26 27 26 00-0306	EA		Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover	8.21	0.64
26 27 26 00-0307	EA		Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover	9.05	0.95
26 27 26 00-0308	EA		Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	8.23	0.64
26 27 26 00-0309	EA		Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	17.48	0.64
26 27 26 00-0310	EA		Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	20.17	0.64
26 27 26 00-0311	EA		20 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	16.45	0.64
26 27 26 00-0312	EA		30 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	12.40	0.64
26 27 26 00-0313	EA		50 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	14.42	0.64
26 27 26 00-0314	EA		Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	12.95	0.64
26 27 26 00-0315	EA		Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover	18.69	0.95
26 27 26 00-0316			Removal And Reinstallation Of Wiring Devices <small>(26 27 26)</small>		
			Note: Includes storage and cleaning.		
26 27 26 00-0317	EA		Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	83.85	
26 27 26 00-0318	EA		Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate.....	10.63	
26 27 26 00-0319			Relay Systems <small>(26 27 26)</small>		
26 27 26 00-0320	EA		Relay 2 Position, 10 Amp, 24 Volt Coil	81.74	28.68
26 27 26 00-0321	EA		Industrial Control Relay 20 Amp, 120 Volt Coil Up To 4 Contacts	312.90	95.59
26 27 26 00-0322	EA		Industrial Control Relay 20 Amp, 120 Volt Coil 12 Contacts.....	498.55	127.46
26 27 26 00-0323			Limit Switches <small>(26 27 26)</small>		
26 27 26 00-0324			Heavy Duty Precision Oiltight <small>(26 27 26 00-0323)</small>		
26 27 26 00-0325			Lever Arm, Plunger, Wobble Stick Type <small>(26 27 26 00-0324)</small>		
26 27 26 00-0326	EA		Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amp Rated	408.58	80.30
26 27 26 00-0327			In Line Midget Fuseholders <small>(26 27 26)</small>		
			See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0328	EA		Single Pole Water Resistant In Line Midget Fuseholder	73.78	
26 27 26 00-0329	EA		Double Pole Water Resistant In Line Midget Fuseholder.....	140.48	

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

26 28 Low-Voltage Circuit Protective Devices (26 20)

26 28 13 Fuses (26 28)

26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses (26 28 13)

26 28 13 00-0002	EA 1 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	25.50		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0003	EA 2 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	25.09		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0004	EA 3 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	24.54		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0005	EA 5 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	24.46		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0006	EA 6 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	24.98		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0007	EA 8 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	23.97		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0008	EA 10 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	23.73		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0009	EA 15 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	21.76		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0010	EA 20 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	21.46		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0011	EA 25 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	22.03		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0012	EA 30 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	21.63		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		

26 28 13 00-0013 Class RK1, Time Delay Fuses (26 28 13)

26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses (26 28 13 00-0013)

26 28 13 00-0015	EA 1 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	35.18		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0016	EA 2 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.40		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0017	EA 3 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	34.64		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0018	EA 4 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	34.48		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0019	EA 5 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.23		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0020	EA 10 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	32.49		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0021	EA 15 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	30.52		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0022	EA 20 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	30.37		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0023	EA 25 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	30.53		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0024	EA 30 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	30.33		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0025	EA 35 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	38.72		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0026	EA 40 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	38.12		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0027	EA 45 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	38.57		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0028	EA 50 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	38.20		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		
26 28 13 00-0029	EA 60 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	37.66		9.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12		

26 28 13 00-0030 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses (26 28 13 00-0013)

26 28 13 00-0031	EA 70 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	65.04		11.47
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65		
26 28 13 00-0032	EA 80 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	64.74		11.47
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65		
26 28 13 00-0033	EA 90 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	70.76		11.47
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65		
26 28 13 00-0034	EA 100 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	64.27		11.47
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65		
26 28 13 00-0035	EA 110 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	163.40		11.47
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65		
26 28 13 00-0036	EA 125 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	122.35		11.47
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65		
26 28 13 00-0037	EA 150 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	114.32		12.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.41		
26 28 13 00-0038	EA 200 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	119.79		12.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.41		
26 28 13 00-0039	EA 250 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	214.23		12.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.41		
26 28 13 00-0040	EA 300 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	232.26		15.55
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.32		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0041	EA		350 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	248.62	15.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.32	
26 28 13 00-0042	EA		400 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	194.96	15.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.32	
26 28 13 00-0043	EA		450 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	416.32	15.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.32	
26 28 13 00-0044	EA		500 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	398.00	18.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.62	
26 28 13 00-0045	EA		600 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	314.34	18.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.62	
26 28 13 00-0046			600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses ^(26 28 13 00-0013)		
26 28 13 00-0047	EA		1 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	49.85	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0048	EA		2 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	47.01	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0049	EA		3 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	44.63	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0050	EA		4 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	45.42	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0051	EA		5 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	44.74	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0052	EA		10 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	44.98	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0053	EA		15 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	42.39	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0054	EA		20 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	42.13	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0055	EA		25 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	41.78	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0056	EA		30 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	42.30	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0057	EA		35 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	57.68	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0058	EA		40 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	57.80	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0059	EA		45 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	56.83	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0060	EA		50 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	57.29	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0061	EA		60 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	57.69	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0062			600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses ^(26 28 13 00-0013)		
26 28 13 00-0063	EA		70 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	103.00	11.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 28 13 00-0064	EA		80 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	106.32	12.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.41	
26 28 13 00-0065	EA		90 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	105.81	12.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.41	
26 28 13 00-0066	EA		100 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	106.21	12.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.41	
26 28 13 00-0067	EA		110 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	185.02	12.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.41	
26 28 13 00-0068	EA		125 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	187.64	12.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.41	
26 28 13 00-0069	EA		150 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	188.03	15.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.32	
26 28 13 00-0070	EA		200 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	187.60	15.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.32	
26 28 13 00-0071	EA		250 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	344.66	15.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.32	
26 28 13 00-0072	EA		300 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	349.88	18.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.62	
26 28 13 00-0073	EA		350 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	392.30	18.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.62	
26 28 13 00-0074	EA		400 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	357.09	18.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.62	
26 28 13 00-0075	EA		450 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	627.40	18.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.62	
26 28 13 00-0076	EA		500 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	564.56	22.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29	
26 28 13 00-0077	EA		600 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	495.12	22.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29	
26 28 13 00-0078			600 Volt AC, Class CC Midget Fuses ^(26 28 13) Note: 250/300 Volt DC.		
26 28 13 00-0079	EA		1 Amp, 600 Volt AC, Class CC Midget Fuse.....	39.23	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0080	EA		2 Amp, 600 Volt AC, Class CC Midget Fuse.....	39.70	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0081	EA		3 Amp, 600 Volt AC, Class CC Midget Fuse.....	39.57	9.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 28	13 00-0082	EA	5 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.42 6.12	9.17
	26 28	13 00-0083	EA	6 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.65 6.12	9.17
	26 28	13 00-0084	EA	8 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.08 6.12	9.17
	26 28	13 00-0085	EA	10 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.27 6.12	9.17
	26 28	13 00-0086	EA	15 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.43 6.12	9.17
	26 28	13 00-0087	EA	20 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.85 6.12	9.17
	26 28	13 00-0088	EA	25 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.52 6.12	9.17
	26 28	13 00-0089	EA	30 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.65 6.12	9.17
	26 28	13 00-0090		200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse ^(26 28 13)		
	26 28	13 00-0091	EA	1 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.07 3.83	6.37
	26 28	13 00-0092	EA	3 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.38 3.83	6.37
	26 28	13 00-0093	EA	6 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.88 4.59	7.65
	26 28	13 00-0094	EA	10 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.23 5.74	9.56
	26 28	13 00-0095	EA	15 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.97 5.74	9.56
	26 28	13 00-0096	EA	20 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.31 5.74	9.56
	26 28	13 00-0097	EA	25 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.36 7.65	12.75
	26 28	13 00-0098	EA	30 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.95 7.65	12.75
	26 28	13 00-0099	EA	35 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.62 7.65	12.75
	26 28	13 00-0100	EA	40 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.09 7.65	12.75
	26 28	13 00-0101	EA	45 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.16 7.65	12.75
	26 28	13 00-0102	EA	50 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.57 9.56	15.93
	26 28	13 00-0103	EA	60 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.54 9.56	15.93
	26 28	13 00-0104	EA	70 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.46 11.47	19.12
	26 28	13 00-0105	EA	80 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.12 11.47	19.12
	26 28	13 00-0106	EA	90 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.68 11.47	19.12
	26 28	13 00-0107	EA	100 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.04 13.38	22.30
	26 28	13 00-0108	EA	110 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	201.59 13.38	22.30
	26 28	13 00-0109	EA	125 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.93 13.38	22.30
	26 28	13 00-0110	EA	150 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.13 15.29	25.49
	26 28	13 00-0111	EA	175 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.33 15.29	25.49
	26 28	13 00-0112	EA	200 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.60 15.29	25.49
	26 28	13 00-0113	EA	225 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	338.02 15.29	25.49
	26 28	13 00-0114	EA	250 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	314.01 15.29	25.49
	26 28	13 00-0115	EA	300 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	290.90 15.29	25.49
	26 28	13 00-0116	EA	350 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	315.50 15.29	25.49
	26 28	13 00-0117	EA	400 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	266.41 17.21	28.68
	26 28	13 00-0118	EA	450 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	540.81 17.21	28.68
	26 28	13 00-0119	EA	500 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	464.87 19.12	31.87
	26 28	13 00-0120	EA	600 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	352.14 19.12	31.87
	26 28	13 00-0121		600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses ^(26 28 13)		
	26 28	13 00-0122	EA	100 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,004.44 9.56	15.93
	26 28	13 00-0123	EA	150 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,006.40 9.56	15.93
	26 28	13 00-0124	EA	200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,008.22 9.56	15.93

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 28 13 00-0125	EA	250 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,007.58	19.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.47	
26 28 13 00-0126	EA	300 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	929.18	19.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.47	
26 28 13 00-0127	EA	350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	995.71	22.30
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.38	
26 28 13 00-0128	EA	400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	917.87	22.30
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.38	
26 28 13 00-0129	EA	450 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,024.46	22.30
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.38	
26 28 13 00-0130	EA	500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,004.82	22.30
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.38	
26 28 13 00-0131	EA	600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	898.31	25.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29	
26 28 13 00-0132	EA	601 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	921.93	25.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29	
26 28 13 00-0133	EA	650 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,218.84	25.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29	
26 28 13 00-0134	EA	700 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	894.02	25.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29	
26 28 13 00-0135	EA	750 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,364.27	28.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 28 13 00-0136	EA	800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	795.76	28.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 28 13 00-0137	EA	900 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,151.23	28.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 28 13 00-0138	EA	1,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	782.77	28.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 28 13 00-0139	EA	1,200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	805.37	28.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 28 13 00-0140	EA	1,350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,761.59	28.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 28 13 00-0141	EA	1,400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,737.17	28.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 28 13 00-0142	EA	1,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,569.63	28.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 28 13 00-0143	EA	1,600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	992.13	31.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.12	
26 28 13 00-0144	EA	1,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,073.30	31.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.12	
26 28 13 00-0145	EA	2,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,336.75	31.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.12	
26 28 13 00-0146	EA	2,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,797.85	31.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.12	
26 28 13 00-0147	EA	2,501 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,044.22	31.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.12	
26 28 13 00-0148	EA	3,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,003.82	35.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.03	
26 28 13 00-0149	EA	3,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,112.96	35.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.03	
26 28 13 00-0150	EA	3,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,767.81	35.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.03	
26 28 13 00-0151	EA	4,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,769.15	35.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.03	
26 28 13 00-0152	EA	5,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,353.41	35.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.03	
26 28 13 00-0153	EA	6,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	7,187.63	35.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.03	

26 28 16 Enclosed Switches And Circuit Breakers (26 28)

26 28 16 00-0001		Motor And Circuit Disconnects (26 28 16) Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28 16 00-0002		NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0001)		
26 28 16 00-0003		Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0002) Note: Includes fuses and neutral bar.		
26 28 16 00-0004		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0005	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	396.10	127.46
26 28 16 00-0006	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	589.54	153.58
26 28 16 00-0007	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	788.02	179.71
26 28 16 00-0008	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,339.02	282.95
26 28 16 00-0009	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,732.58	439.72
26 28 16 00-0010	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,503.76	650.03
26 28 16 00-0011	EA	800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,058.01	764.73
26 28 16 00-0012	EA	1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,038.74	892.19

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

26 28 16 00-0013 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>					
26 28 16 00-0014	EA		30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	565.87	141.61
26 28 16 00-0015	EA		60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	682.54	170.67
26 28 16 00-0016	EA		100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,034.74	199.47
26 28 16 00-0017	EA		200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,544.05	314.82
26 28 16 00-0018	EA		400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,229.16	488.41
26 28 16 00-0019	EA		600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,005.69	721.91
26 28 16 00-0020	EA		800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,248.25	849.24
26 28 16 00-0021	EA		1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,783.47	991.35
26 28 16 00-0022 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>					
26 28 16 00-0023	EA		30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	576.96	200.10
26 28 16 00-0024	EA		60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	829.16	265.75
26 28 16 00-0025	EA		100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,072.30	295.06
26 28 16 00-0026	EA		200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,692.77	462.03
26 28 16 00-0027	EA		400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,374.52	758.36
26 28 16 00-0028	EA		600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,367.27	1,062.35
26 28 16 00-0029 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>					
26 28 16 00-0030	EA		30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	725.19	221.13
26 28 16 00-0031	EA		60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	931.45	295.06
26 28 16 00-0032	EA		100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,299.78	332.02
26 28 16 00-0033	EA		200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,925.87	506.00
26 28 16 00-0034	EA		400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,070.53	816.99
26 28 16 00-0035	EA		600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,455.14	1,180.24
26 28 16 00-0036	EA		800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,935.58	1,402.01
26 28 16 00-0037	EA		1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,559.43	1,593.20
26 28 16 00-0038 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>					
26 28 16 00-0039	EA		30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	563.40	200.10
26 28 16 00-0040	EA		60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	811.64	265.75
26 28 16 00-0041	EA		100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,040.42	295.06
26 28 16 00-0042	EA		200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,736.61	462.03
26 28 16 00-0043	EA		400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,621.60	758.36
26 28 16 00-0044	EA		600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,738.99	1,062.35
26 28 16 00-0045	EA		800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,201.61	1,338.29
26 28 16 00-0046	EA		1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,262.89	1,529.47
26 28 16 00-0047 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>					
26 28 16 00-0048	EA		30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	774.94	221.13
26 28 16 00-0049	EA		60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	992.59	295.06
26 28 16 00-0050	EA		100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,389.17	332.02

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 28 16 00-0051	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,059.70		506.00
26 28 16 00-0052	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,356.05		816.99
26 28 16 00-0053	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,959.41		1,180.24
26 28 16 00-0054	EA	800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,772.80		1,402.01
26 28 16 00-0055	EA	1,200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	13,463.80		1,593.20
26 28 16 00-0056		Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches			
		<i>(26 28 16 00-0052)</i>			
26 28 16 00-0057		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches			
		<i>(26 28 16 00-0056)</i>			
26 28 16 00-0058	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	387.52		184.43
26 28 16 00-0059	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	587.31		256.57
26 28 16 00-0060	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	780.70		295.06
26 28 16 00-0061	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,227.52		472.10
26 28 16 00-0062	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,395.09		786.78
26 28 16 00-0063	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,811.06		1,072.92
26 28 16 00-0064	EA	800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,320.82		1,274.55
26 28 16 00-0065	EA	1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,930.21		1,487.53
26 28 16 00-0066		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches			
		<i>(26 28 16 00-0056)</i>			
26 28 16 00-0067	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	427.94		203.55
26 28 16 00-0068	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	663.66		287.92
26 28 16 00-0069	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	879.62		327.82
26 28 16 00-0070	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,366.97		513.14
26 28 16 00-0071	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,576.29		843.00
26 28 16 00-0072	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,214.06		1,180.12
26 28 16 00-0073	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,832.60		1,274.55
26 28 16 00-0074	EA	1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,631.08		1,487.53
26 28 16 00-0075		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches			
		<i>(26 28 16 00-0056)</i>			
26 28 16 00-0076	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	464.52		165.69
26 28 16 00-0077	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	694.42		230.70
26 28 16 00-0078	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	903.88		265.75
26 28 16 00-0079	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,425.61		425.07
26 28 16 00-0080	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,752.11		708.02
26 28 16 00-0081	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,310.52		965.47
26 28 16 00-0082	EA	800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,048.96		1,147.10
26 28 16 00-0083	EA	1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,073.90		1,338.29
26 28 16 00-0084		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches			
		<i>(26 28 16 00-0056)</i>			
26 28 16 00-0085	EA	30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	508.28		182.90
26 28 16 00-0086	EA	60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	767.35		259.38
26 28 16 00-0087	EA	100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	989.52		295.06
26 28 16 00-0088	EA	200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,540.62		462.03
26 28 16 00-0089	EA	400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,948.67		758.36

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0090 EA 600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,673.58	1,062.35
26 28 16 00-0091 EA 800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,386.95	1,147.10
26 28 16 00-0092 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0096)</small>		
26 28 16 00-0093 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	533.52	183.16
26 28 16 00-0094 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	810.40	259.12
26 28 16 00-0095 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,059.54	295.06
26 28 16 00-0096 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,648.47	461.77
26 28 16 00-0097 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,099.53	758.61
26 28 16 00-0098 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,120.05	1,062.09
26 28 16 00-0099 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,897.24	1,147.10
26 28 16 00-0100 EA 1,200 Amp, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,215.83	1,338.29
26 28 16 00-0101 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0106)</small>		
26 28 16 00-0102 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	707.00	165.95
26 28 16 00-0103 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	876.28	230.95
26 28 16 00-0104 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,278.97	265.49
26 28 16 00-0105 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,938.61	424.81
26 28 16 00-0106 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0110)</small>		
26 28 16 00-0107 EA 30 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	768.14	182.90
26 28 16 00-0108 EA 60 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	962.22	259.38
26 28 16 00-0109 EA 100 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,391.41	295.06
26 28 16 00-0110 EA 200 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,090.28	462.03
26 28 16 00-0111 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0115)</small>		
26 28 16 00-0112 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	838.41	183.16
26 28 16 00-0113 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,039.73	259.12
26 28 16 00-0114 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,530.79	295.06
26 28 16 00-0115 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,293.32	461.77
26 28 16 00-0116 General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0123)</small> <small>Note: Includes fuses and neutral bar.</small>		
26 28 16 00-0117 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0121)</small>		
26 28 16 00-0118 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	291.18	110.89
26 28 16 00-0119 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	384.07	133.44
26 28 16 00-0120 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	554.85	156.01
26 28 16 00-0121 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	995.94	246.12
26 28 16 00-0122 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,220.36	381.73
26 28 16 00-0123 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,043.86	565.01
26 28 16 00-0124 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0125)</small>		
26 28 16 00-0125 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	417.75	174.23

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0126	EA		60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	578.70	230.95
26 28 16 00-0127	EA		100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	755.94	256.57
26 28 16 00-0128	EA		200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,307.76	401.61
26 28 16 00-0129	EA		400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,778.18	659.71
26 28 16 00-0130	EA		600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,764.71	923.54
26 28 16 00-0131			240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0116)</small>		
26 28 16 00-0132	EA		30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	450.54	174.23
26 28 16 00-0133	EA		60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	631.56	230.95
26 28 16 00-0134	EA		100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	804.04	256.57
26 28 16 00-0135	EA		200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,428.94	401.61
26 28 16 00-0136	EA		400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,985.31	659.71
26 28 16 00-0137	EA		600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,896.01	923.54
26 28 16 00-0138			General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0002)</small>		
26 28 16 00-0139			240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0138)</small>		
26 28 16 00-0140	EA		60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	399.87	154.22
26 28 16 00-0141	EA		100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	511.90	177.29
26 28 16 00-0142	EA		200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,070.72	283.33
26 28 16 00-0143	EA		400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,197.20	471.59
26 28 16 00-0144	EA		600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,676.96	642.64
26 28 16 00-0145			240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0138)</small>		
26 28 16 00-0146	EA		30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	376.76	144.28
26 28 16 00-0147	EA		60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	518.47	200.74
26 28 16 00-0148	EA		100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	734.29	230.95
26 28 16 00-0149	EA		200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,243.49	369.50
26 28 16 00-0150	EA		400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,486.30	615.87
26 28 16 00-0151	EA		600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,072.00	839.42
26 28 16 00-0152			NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0153			Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0152)</small> Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0154			240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0153)</small>		
26 28 16 00-0155	EA		30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	554.43	149.76
26 28 16 00-0156	EA		60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	839.29	179.71
26 28 16 00-0157	EA		100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,037.61	209.02
26 28 16 00-0158	EA		200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,528.07	318.64
26 28 16 00-0159	EA		400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,234.81	509.82
26 28 16 00-0160	EA		600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,513.65	679.98
26 28 16 00-0161	EA		800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,080.90	764.73
26 28 16 00-0162	EA		1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,619.40	892.19

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

26 28 16 00-0163 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 00-0153)</small>					
	EA		30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	911.82	199.60
	EA		60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,090.88	244.72
	EA		100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,499.94	281.04
	EA		200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,131.98	421.49
	EA		400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,473.57	689.66
	EA		600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,993.38	948.40
	EA		800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,531.78	1,092.04
	EA		1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,722.64	1,229.31
26 28 16 00-0172 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 00-0153)</small>					
	EA		30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	740.07	235.79
	EA		60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,129.31	312.26
	EA		100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,336.40	342.86
	EA		200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,998.37	530.85
	EA		400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,129.57	885.18
	EA		600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,672.46	1,180.24
26 28 16 00-0179 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 00-0153)</small>					
	EA		30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,073.12	279.51
	EA		60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,287.05	342.60
	EA		100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,675.49	393.33
	EA		200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,447.50	590.12
	EA		400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,952.07	965.61
	EA		600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,641.36	1,327.71
	EA		800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,977.05	1,529.47
	EA		1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,257.06	1,720.65
26 28 16 00-0188 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 00-0153)</small>					
	EA		30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	795.67	235.79
	EA		60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,130.92	312.26
	EA		100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,414.57	342.86
	EA		200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,050.51	530.85
	EA		400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,177.39	885.18
	EA		600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,198.53	1,180.24
	EA		800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,554.22	1,338.29
	EA		1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,301.64	1,529.47
26 28 16 00-0197 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 00-0153)</small>					
	EA		30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,105.01	279.77

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0199	EA		60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,322.91	342.86
26 28 16 00-0200	EA		100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,755.20	393.20
26 28 16 00-0201	EA		200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,499.32	590.12
26 28 16 00-0202	EA		400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,139.38	965.47
26 28 16 00-0203	EA		600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,856.57	1,327.45
26 28 16 00-0204	EA		800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,654.72	1,529.47
26 28 16 00-0205	EA		1,200 Amp, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	15,150.31	1,720.65
26 28 16 00-0206			Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0192)		
26 28 16 00-0207			240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0206)		
26 28 16 00-0208	EA		30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	518.32	131.15
26 28 16 00-0209	EA		60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	822.71	181.62
26 28 16 00-0210	EA		100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,059.62	208.26
26 28 16 00-0211	EA		200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,453.42	337.25
26 28 16 00-0212	EA		400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,099.46	562.59
26 28 16 00-0213	EA		600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,452.15	750.08
26 28 16 00-0214	EA		800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,543.82	892.57
26 28 16 00-0215	EA		1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,164.19	1,020.02
26 28 16 00-0216			600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0206)		
26 28 16 00-0217	EA		30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	581.31	144.53
26 28 16 00-0218	EA		60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	929.84	202.27
26 28 16 00-0219	EA		100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,191.59	228.40
26 28 16 00-0220	EA		200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,598.45	354.08
26 28 16 00-0221	EA		400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,482.51	590.12
26 28 16 00-0222	EA		600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,869.77	786.78
26 28 16 00-0223	EA		800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,099.49	935.02
26 28 16 00-0224	EA		1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,883.73	1,062.09
26 28 16 00-0225			240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0206)		
26 28 16 00-0226	EA		30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	649.45	196.67
26 28 16 00-0227	EA		60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,004.27	272.38
26 28 16 00-0228	EA		100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,267.87	312.39
26 28 16 00-0229	EA		200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,790.60	505.88
26 28 16 00-0230	EA		400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,702.06	843.76
26 28 16 00-0231	EA		600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,280.66	1,124.80
26 28 16 00-0232	EA		800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,523.95	1,338.29
26 28 16 00-0233	EA		1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,433.70	1,529.47
26 28 16 00-0234			480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0206)		
26 28 16 00-0235	EA		30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	707.88	216.68
26 28 16 00-0236	EA		60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,099.35	303.47

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0237 EA 100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,374.28	342.60
26 28 16 00-0238 EA 200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,896.84	531.11
26 28 16 00-0239 EA 400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,928.46	885.06
26 28 16 00-0240 EA 600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,678.55	1,180.12
26 28 16 00-0241 EA 800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,140.26	1,402.01
26 28 16 00-0242 EA 1,200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,228.68	1,593.20
26 28 16 00-0243 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0206)</small>		
26 28 16 00-0244 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	454.27	216.68
26 28 16 00-0245 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,132.15	303.47
26 28 16 00-0246 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,420.01	342.60
26 28 16 00-0247 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,952.50	531.11
26 28 16 00-0248 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,072.58	885.06
26 28 16 00-0249 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,656.53	1,180.12
26 28 16 00-0250 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,127.92	1,402.01
26 28 16 00-0251 EA 1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,211.90	1,593.20
26 28 16 00-0252 General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0152)</small> Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0253 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0252)</small>		
26 28 16 00-0254 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	367.18	130.26
26 28 16 00-0255 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	498.07	156.26
26 28 16 00-0256 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	637.97	181.75
26 28 16 00-0257 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,238.78	277.09
26 28 16 00-0258 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,860.49	443.30
26 28 16 00-0259 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,928.65	591.39
26 28 16 00-0260 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0252)</small>		
26 28 16 00-0261 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	517.64	205.33
26 28 16 00-0262 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	728.98	271.61
26 28 16 00-0263 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	869.89	297.99
26 28 16 00-0264 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,608.90	461.77
26 28 16 00-0265 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,514.30	769.58
26 28 16 00-0266 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,806.07	1,026.53
26 28 16 00-0267 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0252)</small>		
26 28 16 00-0268 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	563.56	205.21
26 28 16 00-0269 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	775.24	271.61
26 28 16 00-0270 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,018.38	297.99
26 28 16 00-0271 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,704.72	461.77
26 28 16 00-0272 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,575.85	769.71
26 28 16 00-0273 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,285.55	1,026.53

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 28 16 00-0274	EA	800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,761.88		1,162.91
26 28 16 00-0275		General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0152)</small>			
26 28 16 00-0276		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0275)</small>			
26 28 16 00-0277	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	328.78		114.08
26 28 16 00-0278	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	517.24		157.92
26 28 16 00-0279	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	554.67		181.11
26 28 16 00-0280	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,271.40		293.15
26 28 16 00-0281	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,952.40		489.17
26 28 16 00-0282	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,052.39		652.19
26 28 16 00-0283		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0275)</small>			
26 28 16 00-0284	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	509.16		171.05
26 28 16 00-0285	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	726.18		236.81
26 28 16 00-0286	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,008.73		271.61
26 28 16 00-0287	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,714.82		439.85
26 28 16 00-0288		NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0001)</small>			
26 28 16 00-0289		Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>			
		Note: With fuses and neutral bar (stainless steel).			
26 28 16 00-0290		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>			
26 28 16 00-0291	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,276.51		127.46
26 28 16 00-0292	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,533.74		153.58
26 28 16 00-0293	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,032.17		179.46
26 28 16 00-0294	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,219.15		283.20
26 28 16 00-0295	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,478.77		439.47
26 28 16 00-0296	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,200.61		649.77
26 28 16 00-0297		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>			
26 28 16 00-0298	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,605.35		141.61
26 28 16 00-0299	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,794.70		170.54
26 28 16 00-0300	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,282.22		199.34
26 28 16 00-0301	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,662.66		314.82
26 28 16 00-0302	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,828.63		488.66
26 28 16 00-0303	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,674.31		721.91
26 28 16 00-0304		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>			
26 28 16 00-0305	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,475.84		200.36
26 28 16 00-0306	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,860.18		265.49
26 28 16 00-0307	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,395.51		295.06
26 28 16 00-0308	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,857.52		461.77
26 28 16 00-0309	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,368.54		758.61

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0310 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,354.80	1,062.09
26 28 16 00-0311 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0312 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,768.79	221.26
26 28 16 00-0313 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,048.14	295.06
26 28 16 00-0314 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,556.25	331.89
26 28 16 00-0315 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,057.06	505.75
26 28 16 00-0316 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,699.58	816.99
26 28 16 00-0317 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,814.80	1,180.12
26 28 16 00-0318 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0319 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,735.79	200.36
26 28 16 00-0320 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,185.15	265.49
26 28 16 00-0321 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,045.77	295.06
26 28 16 00-0322 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,746.71	461.77
26 28 16 00-0323 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,118.59	758.61
26 28 16 00-0324 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,759.78	1,062.09
26 28 16 00-0325 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0326 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,075.95	221.26
26 28 16 00-0327 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,396.45	295.06
26 28 16 00-0328 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,220.00	331.89
26 28 16 00-0329 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,953.68	505.75
26 28 16 00-0330 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,473.24	816.99
26 28 16 00-0331 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,252.57	1,180.12
26 28 16 00-0332 Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>		
26 28 16 00-0333 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0334 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,228.54	127.46
26 28 16 00-0335 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,511.53	177.29
26 28 16 00-0336 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,750.71	203.93
26 28 16 00-0337 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,847.72	325.77
26 28 16 00-0338 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,968.07	542.45
26 28 16 00-0339 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,952.30	738.99
26 28 16 00-0340 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0341 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,394.01	140.58
26 28 16 00-0342 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,719.68	198.83
26 28 16 00-0343 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,130.72	226.62
26 28 16 00-0344 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,360.92	354.08
26 28 16 00-0345 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,889.07	582.73

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 28 16 00-0346	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		11,316.54	815.72
26 28 16 00-0347		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>			
26 28 16 00-0348	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		1,305.54	165.95
26 28 16 00-0349	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		1,600.24	230.95
26 28 16 00-0350	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		1,687.91	265.49
26 28 16 00-0351	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		3,192.54	424.81
26 28 16 00-0352	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		4,612.28	708.14
26 28 16 00-0353	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		10,684.58	965.61
26 28 16 00-0354		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>			
26 28 16 00-0355	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		1,478.97	183.16
26 28 16 00-0356	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		1,840.23	259.12
26 28 16 00-0357	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		3,267.60	295.06
26 28 16 00-0358	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		4,576.27	461.77
26 28 16 00-0359	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		9,018.08	758.61
26 28 16 00-0360	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		12,128.18	1,062.09
26 28 16 00-0361		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>			
26 28 16 00-0362	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		1,749.94	165.95
26 28 16 00-0363	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		2,121.50	230.95
26 28 16 00-0364	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		4,589.26	265.49
26 28 16 00-0365	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		7,015.28	424.81
26 28 16 00-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>			
26 28 16 00-0367	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		1,986.86	183.16
26 28 16 00-0368	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		2,414.93	259.12
26 28 16 00-0369	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		5,228.01	295.06
26 28 16 00-0370	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		7,969.95	461.77
26 28 16 00-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>			
26 28 16 00-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0371)</small>			
26 28 16 00-0373	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		2,316.64	221.13
26 28 16 00-0374	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		2,671.81	295.06
26 28 16 00-0375	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		4,658.22	332.02
26 28 16 00-0376	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		6,116.90	506.00
26 28 16 00-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0371)</small>			
26 28 16 00-0378	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		2,151.85	182.90
26 28 16 00-0379	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch		2,502.60	259.38

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0380 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,389.95	295.06
26 28 16 00-0381 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,011.41	462.03
26 28 16 00-0382 Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>		
26 28 16 00-0383 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0382)</small>		
26 28 16 00-0384 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,625.92	221.13
26 28 16 00-0385 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,017.89	295.06
26 28 16 00-0386 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,312.71	332.02
26 28 16 00-0387 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0382)</small>		
26 28 16 00-0388 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,444.49	182.90
26 28 16 00-0389 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,830.28	259.38
26 28 16 00-0390 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,018.15	295.06
26 28 16 00-0391 NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 00-0001)</small> <small>Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.</small>		
26 28 16 00-0392 Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 00-0391)</small> <small>Note: With fuses and neutral bar.</small>		
26 28 16 00-0393 EA 30 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,134.92	254.91
26 28 16 00-0394 EA 60 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,422.10	303.47
26 28 16 00-0395 EA 100 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,690.49	342.60
26 28 16 00-0396 EA 200 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	5,566.80	531.11
26 28 16 00-0397 Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0391)</small>		
26 28 16 00-0398 EA 60 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,734.90	303.47
26 28 16 00-0399 EA 100 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,021.23	342.60
26 28 16 00-0400 EA 200 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	3,644.02	531.11
26 28 16 00-0401 NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0402 Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0401)</small> <small>Note: With fuses and neutral bar.</small>		
26 28 16 00-0403 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0404 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	524.72	127.46
26 28 16 00-0405 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	675.87	153.58
26 28 16 00-0406 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	900.44	179.71
26 28 16 00-0407 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,504.51	282.95
26 28 16 00-0408 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,090.89	439.72
26 28 16 00-0409 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,476.18	650.03
26 28 16 00-0410 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0411 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	781.41	141.48
26 28 16 00-0412 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	823.53	170.79
26 28 16 00-0413 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,152.61	199.47
26 28 16 00-0414 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,805.41	314.82
26 28 16 00-0415 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,795.08	488.16
26 28 16 00-0416 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	7,328.82	722.04
26 28 16 00-0417 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 28 16 00-0418	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	746.15		200.10
26 28 16 00-0419	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,024.82		265.75
26 28 16 00-0420	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,350.03		295.06
26 28 16 00-0421	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,023.51		462.03
26 28 16 00-0422	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,864.71		758.36
26 28 16 00-0423	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,091.33		1,062.35
26 28 16 00-0424		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>			
26 28 16 00-0425	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	960.66		221.13
26 28 16 00-0426	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,120.13		295.06
26 28 16 00-0427	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,576.48		332.02
26 28 16 00-0428	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,310.78		506.00
26 28 16 00-0429	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,666.92		816.99
26 28 16 00-0430	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	8,521.68		1,180.24
26 28 16 00-0431		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>			
26 28 16 00-0432	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	787.39		200.10
26 28 16 00-0433	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,053.15		265.75
26 28 16 00-0434	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,438.96		295.06
26 28 16 00-0435	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,135.15		462.03
26 28 16 00-0436	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,163.63		758.36
26 28 16 00-0437	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,293.27		1,062.35
26 28 16 00-0438		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>			
26 28 16 00-0439	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,008.47		221.13
26 28 16 00-0440	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,247.66		295.06
26 28 16 00-0441	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,664.18		332.02
26 28 16 00-0442	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,478.16		506.00
26 28 16 00-0443	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,937.92		816.99
26 28 16 00-0444	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	8,744.86		1,180.24
26 28 16 00-0445		Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0401)</small>			
26 28 16 00-0446		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>			
26 28 16 00-0447	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	544.79		184.18
26 28 16 00-0448	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	728.45		256.82
26 28 16 00-0449	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	943.44		295.06
26 28 16 00-0450	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,370.69		472.23
26 28 16 00-0451	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,889.35		787.04
26 28 16 00-0452	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,489.04		1,073.18
26 28 16 00-0453		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>			
26 28 16 00-0454	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	606.22		203.30
26 28 16 00-0455	EA	60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	810.82		288.05

Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0456	EA		100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,051.00	327.56
26 28 16 00-0457	EA		200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,489.37	513.01
26 28 16 00-0458	EA		400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,065.38	843.12
26 28 16 00-0459	EA		600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,959.32	1,180.24
26 28 16 00-0460			240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		
26 28 16 00-0461	EA		30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	702.91	165.69
26 28 16 00-0462	EA		60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	933.64	230.70
26 28 16 00-0463	EA		100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,213.62	265.75
26 28 16 00-0464	EA		200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,764.60	425.07
26 28 16 00-0465	EA		400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,585.44	708.02
26 28 16 00-0466	EA		600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,551.08	965.47
26 28 16 00-0467			600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		
26 28 16 00-0468	EA		30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	702.62	182.90
26 28 16 00-0469	EA		60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,016.29	259.38
26 28 16 00-0470	EA		100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,307.44	295.06
26 28 16 00-0471	EA		200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,772.48	462.03
26 28 16 00-0472	EA		400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,633.57	758.36
26 28 16 00-0473	EA		600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,548.04	1,062.35
26 28 16 00-0474			240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		
26 28 16 00-0475	EA		30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	820.89	165.69
26 28 16 00-0476	EA		60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,000.74	230.70
26 28 16 00-0477	EA		100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,488.49	265.75
26 28 16 00-0478	EA		200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,363.04	425.07
26 28 16 00-0479	EA		400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,114.56	541.69
26 28 16 00-0480			600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		
26 28 16 00-0481	EA		30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	860.44	182.90
26 28 16 00-0482	EA		60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,095.99	259.38
26 28 16 00-0483	EA		100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,598.37	295.06
26 28 16 00-0484	EA		200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,446.00	462.03
26 28 16 00-0485	EA		400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,473.98	713.75
26 28 16 00-0486			Double Throw Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0487			NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0486)</small>		
26 28 16 00-0488			240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0489	EA		30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	661.52	163.78
26 28 16 00-0490	EA		60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	956.87	214.12
26 28 16 00-0491	EA		100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,327.27	279.77
26 28 16 00-0492	EA		200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,763.21	363.89
26 28 16 00-0493	EA		400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,949.32	455.02
26 28 16 00-0494	EA		600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,113.70	729.68

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 28 16 00-0495	240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0496	EA 30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	851.11	229.42
26 28 16 00-0497	EA 60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,173.07	299.53
26 28 16 00-0498	EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,722.74	391.93
26 28 16 00-0499	EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,482.17	509.82
26 28 16 00-0500	EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,449.36	637.28
26 28 16 00-0501	EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,699.51	1,019.64
26 28 16 00-0502	240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0503	EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,117.81	286.78
26 28 16 00-0504	EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,595.34	374.73
26 28 16 00-0505	EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,704.49	489.43
26 28 16 00-0506	EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,680.09	636.01
26 28 16 00-0507	EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,065.79	796.60
26 28 16 00-0508	EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	9,133.80	1,276.47
26 28 16 00-0509	600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0510	EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,081.26	214.12
26 28 16 00-0511	EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,595.20	279.77
26 28 16 00-0512	EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,316.57	363.89
26 28 16 00-0513	EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,172.41	455.02
26 28 16 00-0514	EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,687.38	729.68
26 28 16 00-0515	600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0516	EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,251.89	299.53
26 28 16 00-0517	EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,818.95	391.93
26 28 16 00-0518	EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,607.17	509.82
26 28 16 00-0519	EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,536.61	637.28
26 28 16 00-0520	EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,268.82	1,019.64
26 28 16 00-0521	600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0522	EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,673.37	374.73
26 28 16 00-0523	EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,816.61	489.43
26 28 16 00-0524	EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,913.26	636.01
26 28 16 00-0525	EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,561.32	796.60
26 28 16 00-0526	EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	9,687.31	1,276.47
26 28 16 00-0527	NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0486)</small>		
26 28 16 00-0528	240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0527)</small>		
26 28 16 00-0529	EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,609.06	279.77
26 28 16 00-0530	EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,492.82	363.89
26 28 16 00-0531	EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,916.82	455.02
26 28 16 00-0532	EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	18,763.44	729.68
26 28 16 00-0533	240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0527)</small>		
26 28 16 00-0534	EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,126.82	391.29
26 28 16 00-0535	EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,346.28	509.19
26 28 16 00-0536	EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,375.31	637.28
26 28 16 00-0537	EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,596.04	1,021.56
26 28 16 00-0538	240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0527)</small>		
26 28 16 00-0539	EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,985.71	286.91
26 28 16 00-0540	EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,475.82	374.46
26 28 16 00-0541	EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,445.45	489.30
26 28 16 00-0542	EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,933.11	636.26
26 28 16 00-0543	EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	8,173.25	796.60
26 28 16 00-0544	EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	9,780.11	1,276.60
26 28 16 00-0545	600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0527)</small>		
26 28 16 00-0546	EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,348.17	214.12
26 28 16 00-0547	EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,019.19	279.77
26 28 16 00-0548	EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,572.57	363.89
26 28 16 00-0549	EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,700.11	455.02

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

26 28 16 00-0550	EA	600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,040.98	729.68
26 28 16 00-0551		600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0527)</small>		
26 28 16 00-0552	EA	60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,568.03	299.53
26 28 16 00-0553	EA	100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,319.95	391.29
26 28 16 00-0554	EA	200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,012.88	509.19
26 28 16 00-0555	EA	400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,369.07	637.28
26 28 16 00-0556	EA	600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,020.90	1,021.56
26 28 16 00-0557		600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0527)</small>		
26 28 16 00-0558	EA	60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,493.83	374.46
26 28 16 00-0559	EA	100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,453.71	489.30
26 28 16 00-0560	EA	200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,047.87	636.26
26 28 16 00-0561	EA	400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,159.70	796.60
26 28 16 00-0562	EA	600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,854.79	1,276.60
26 28 16 00-0563		NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0486)</small>		
26 28 16 00-0564		240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0563)</small>		
26 28 16 00-0565	EA	30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,542.29	163.91
26 28 16 00-0566	EA	60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,767.05	214.00
26 28 16 00-0567	EA	100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,026.17	279.64
26 28 16 00-0568	EA	200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,770.85	363.63
26 28 16 00-0569	EA	400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,017.55	455.14
26 28 16 00-0570	EA	600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,403.30	729.43
26 28 16 00-0571		240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0563)</small>		
26 28 16 00-0572	EA	30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,801.64	229.42
26 28 16 00-0573	EA	60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,150.90	299.53
26 28 16 00-0574	EA	100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,578.15	391.29
26 28 16 00-0575	EA	200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,568.38	509.19
26 28 16 00-0576	EA	400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,297.32	637.28
26 28 16 00-0577	EA	600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,448.78	1,021.56
26 28 16 00-0578		240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0563)</small>		
26 28 16 00-0579	EA	30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,651.59	286.91
26 28 16 00-0580	EA	60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,129.92	374.46
26 28 16 00-0581	EA	100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,274.13	489.30
26 28 16 00-0582	EA	200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,787.24	636.26
26 28 16 00-0583	EA	400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,440.74	796.60
26 28 16 00-0584	EA	600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	13,175.06	1,276.60
26 28 16 00-0585		600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0563)</small>		
26 28 16 00-0586	EA	60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,282.66	214.00
26 28 16 00-0587	EA	100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,439.19	279.64
26 28 16 00-0588	EA	200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,506.36	363.63
26 28 16 00-0589	EA	400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,453.40	455.14
26 28 16 00-0590	EA	600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,750.31	729.43
26 28 16 00-0591		600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0563)</small>		
26 28 16 00-0592	EA	60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,551.48	299.53
26 28 16 00-0593	EA	100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,761.99	391.29
26 28 16 00-0594	EA	200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,995.66	509.19
26 28 16 00-0595	EA	400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,109.13	637.28
26 28 16 00-0596	EA	600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,714.61	1,021.56
26 28 16 00-0597		600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0563)</small>		
26 28 16 00-0598	EA	60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,159.30	374.46
26 28 16 00-0599	EA	100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,490.81	489.30
26 28 16 00-0600	EA	200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,914.95	636.26
26 28 16 00-0601	EA	400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,715.64	796.60
26 28 16 00-0602	EA	600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	13,539.43	1,276.60
26 28 16 00-0603		Removal And Reinstallation Of Disconnect Switches <small>(26 28 16 00-0001)</small>		
		Note: Includes storage and cleaning.		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0604	EA		Removal And Reinstallation Of Up To 100 Amp Safety Disconnect Switch	637.28	
26 28 16 00-0605	EA		Removal And Reinstallation Of >100 To 200 Amp Safety Disconnect Switch	828.50	
26 28 16 00-0606	EA		Removal And Reinstallation Of >200 To 300 Amp Safety Disconnect Switch	924.12	
26 28 16 00-0607	EA		Removal And Reinstallation Of >300 To 400 Amp Safety Disconnect Switch	1,083.44	
26 28 16 00-0608			Bolted Contact Switches <small>(26 28 16)</small>		
			Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 00-0609			Electrical Trip, Bolted Contact Switches <small>(26 28 16 00-0608)</small>		
26 28 16 00-0610			Top Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 00-0609)</small>		
26 28 16 00-0611	EA		800 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	6,771.22	1,274.55
26 28 16 00-0612	EA		1,200 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	7,462.19	1,529.47
26 28 16 00-0613	EA		1,600 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	8,226.31	1,784.39
26 28 16 00-0614	EA		2,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	8,823.23	2,039.30
26 28 16 00-0615	EA		2,500 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	9,956.61	2,294.21
26 28 16 00-0616	EA		3,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	12,197.79	2,549.12
26 28 16 00-0617	EA		4,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	16,108.80	3,058.94
26 28 16 00-0618			Bottom Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 00-0609)</small>		
26 28 16 00-0619	EA		800 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	7,109.13	1,274.55
26 28 16 00-0620	EA		1,200 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	7,866.29	1,529.47
26 28 16 00-0621	EA		1,600 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	8,626.93	1,784.39
26 28 16 00-0622	EA		2,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	9,398.02	2,039.30
26 28 16 00-0623	EA		2,500 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	10,576.69	2,294.21
26 28 16 00-0624	EA		3,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	13,361.30	2,549.12
26 28 16 00-0625	EA		4,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	17,321.09	3,058.94
26 28 16 00-0626			Manually Operated, Bolted Contact Switches <small>(26 28 16 00-0608)</small>		
26 28 16 00-0627			Top Feed, Manually Operated, Bolted Contact Switches <small>(26 28 16 00-0626)</small>		
26 28 16 00-0628	EA		800 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	5,252.38	1,274.55
26 28 16 00-0629	EA		1,200 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	5,961.46	1,529.47
26 28 16 00-0630	EA		1,600 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	6,699.11	1,784.39
26 28 16 00-0631	EA		2,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	7,432.59	2,039.30
26 28 16 00-0632	EA		2,500 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	8,200.89	2,294.21
26 28 16 00-0633	EA		3,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	10,442.06	2,549.12
26 28 16 00-0634	EA		4,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	14,311.27	3,058.94
26 28 16 00-0635			Bottom Feed, Manually Operated, Bolted Contact Switches <small>(26 28 16 00-0626)</small>		
26 28 16 00-0636	EA		800 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480)	5,476.03	1,274.55
26 28 16 00-0637	EA		1,200 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480)	6,299.37	1,529.47
26 28 16 00-0638	EA		1,600 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480)	7,026.57	1,784.39
26 28 16 00-0639	EA		2,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480)	7,865.25	2,039.30
26 28 16 00-0640	EA		2,500 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	8,744.33	2,294.21
26 28 16 00-0641	EA		3,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	11,518.49	2,549.12
26 28 16 00-0642	EA		4,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480)	15,439.95	3,058.94
26 29 Low-Voltage Controllers <small>(26 20)</small>					
26 29 13 Enclosed Controllers <small>(26 29)</small>					
26 29 13 13 Across-The-Line Motor Controllers <small>(26 29 13)</small>					
26 29 13 13-0001 Manual Motor Starters <small>(26 29 13 13)</small>					
26 29 13 13-0002 Fractional HP Manual Motor Starters <small>(26 29 13 13-0001)</small>					
26 29 13 13-0003	EA		NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)	223.95	63.80
			For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.67	
			For Oversized Enclosure, Add	26.89	
			For Pilot Light, Add	39.44	
26 29 13 13-0004	EA		NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2)	293.16	82.94
			For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.67	
			For Oversized Enclosure, Add	26.89	
			For Pilot Light, Add	39.44	
26 29 13 13-0005	EA		NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3)	250.83	63.80
			For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.67	
			For Oversized Enclosure, Add	26.89	
			For Pilot Light, Add	39.44	
26 29 13 13-0006	EA		NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4)	320.04	82.94
			For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.67	
			For Oversized Enclosure, Add	26.89	
			For Pilot Light, Add	39.44	
26 29 13 13-0007	EA		NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5)	235.60	63.80
			For Oversized Enclosure, Add	26.89	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0008 EA NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6)	308.39	82.94
<i>For Oversize Enclosure, Add</i>	26.89	
26 29 13 13-0009 EA NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1)	459.19	76.55
<i>For Pilot Light, Add</i>	103.07	
26 29 13 13-0010 EA NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2)	531.09	95.69
<i>For Pilot Light, Add</i>	103.07	
26 29 13 13-0011 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1)	486.08	76.55
26 29 13 13-0012 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2)	555.29	95.69
26 29 13 13-0013 Non Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0014 EA NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1)	184.67	63.80
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	12.97	
<i>For Pilot Light, Add</i>	62.27	
26 29 13 13-0015 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2)	294.73	82.94
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	12.97	
<i>For Pilot Light, Add</i>	62.27	
26 29 13 13-0016 EA NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5)	207.81	70.18
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	12.97	
<i>For Pilot Light, Add</i>	62.27	
26 29 13 13-0017 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6)	318.73	89.32
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	12.97	
<i>For Pilot Light, Add</i>	62.27	
26 29 13 13-0018 EA NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3)	209.75	63.80
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	12.97	
<i>For Pilot Light, Add</i>	62.27	
26 29 13 13-0019 EA NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4)	320.67	82.94
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	12.97	
<i>For Pilot Light, Add</i>	62.27	
26 29 13 13-0020 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1)	424.66	76.55
<i>For Pilot Light, Add</i>	98.59	
26 29 13 13-0021 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2)	525.21	95.69
<i>For Pilot Light, Add</i>	98.59	
26 29 13 13-0022 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5)	448.67	82.94
<i>For Pilot Light, Add</i>	98.59	
26 29 13 13-0023 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6)	546.62	102.08
<i>For Pilot Light, Add</i>	98.59	
26 29 13 13-0024 EA NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1)	448.88	76.55
26 29 13 13-0025 EA NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2)	556.34	95.69
26 29 13 13-0026 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1)	134.29	44.65
<i>For Pilot Light, Add</i>	62.27	
26 29 13 13-0027 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2)	244.34	63.80
<i>For Pilot Light, Add</i>	62.27	
26 29 13 13-0028 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5)	157.43	51.04
<i>For Pilot Light, Add</i>	62.27	
26 29 13 13-0029 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6)	267.48	70.18
<i>For Pilot Light, Add</i>	62.27	
26 29 13 13-0030 Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0031 EA NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	477.87	114.83
<i>For Pilot Light, Add</i>	100.32	
26 29 13 13-0032 EA NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	687.61	153.11
<i>For Pilot Light, Add</i>	100.32	
26 29 13 13-0033 Two Speed Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0034 EA NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	477.87	114.83

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 29 13 13-0035	EA NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	687.61	153.11
26 29 13 13-0036	Non-Reversing Integral HP Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0037	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1).....	428.28	76.55
26 29 13 13-0038	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1).....	428.28	76.55
26 29 13 13-0039	EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11).....	862.50	89.32
26 29 13 13-0040	EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	862.50	89.32
26 29 13 13-0041	EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	1,117.04	89.32
26 29 13 13-0042	EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	542.53	89.32
26 29 13 13-0043	EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1).....	363.11	57.42
26 29 13 13-0044	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	505.57	82.94
26 29 13 13-0045	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	505.57	82.94
26 29 13 13-0046	EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	1,028.52	95.69
26 29 13 13-0047	EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	1,028.52	95.69
26 29 13 13-0048	EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	1,302.78	95.69
26 29 13 13-0049	EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	619.82	95.69
26 29 13 13-0050	EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	440.40	63.80
26 29 13 13-0051	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	657.25	89.32
26 29 13 13-0052	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	657.25	89.32
26 29 13 13-0053	EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12).....	1,218.74	102.08
26 29 13 13-0054	EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	1,218.74	102.08
26 29 13 13-0055	EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	1,481.35	102.08
26 29 13 13-0056	EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2).....	774.19	102.08
26 29 13 13-0057	EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	594.77	70.18
26 29 13 13-0058	EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2).....	530.65	95.69
26 29 13 13-0059	EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2).....	530.65	95.69
26 29 13 13-0060	EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	964.87	108.45
26 29 13 13-0061	EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	964.87	108.45
26 29 13 13-0062	EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	1,226.58	108.45
26 29 13 13-0063	EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	645.80	108.45
26 29 13 13-0064	EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2).....	468.17	76.55
26 29 13 13-0065	EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3).....	607.94	102.08
26 29 13 13-0066	EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	607.94	102.08
26 29 13 13-0067	EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13).....	1,130.89	114.83
26 29 13 13-0068	EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3).....	1,130.89	114.83
26 29 13 13-0069	EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	1,411.42	114.83
26 29 13 13-0070	EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3).....	722.19	114.83
26 29 13 13-0071	EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	542.77	82.94
26 29 13 13-0072	Reversing Integral HP Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0073	EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1).....	1,207.71	133.97
26 29 13 13-0074	EA NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1).....	1,207.71	133.97
26 29 13 13-0075	EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1).....	1,054.97	95.69
26 29 13 13-0076	EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	1,424.13	146.73
26 29 13 13-0077	EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1).....	1,271.39	108.45

	MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--	-------	-----------------	------------------------	----------------------

26 29 13 13-0078		Two Speed Integral HP Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	1,207.71	133.97
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	1,054.97	95.69
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	1,424.13	146.73
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	1,271.39	108.45
26 29 13 13-0083		Magnetic Motor Starters <small>(26 29 13 13)</small>		
26 29 13 13-0084		Non Reversing, Magnetic Contactors <small>(26 29 13 13-0083)</small>		
26 29 13 13-0085		Open Enclosure, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11)	512.42	127.59
		<i>For Factory Installed Accessory, Deduct</i>	-255.19	
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12)	575.57	140.35
		<i>For Factory Installed Accessory, Deduct</i>	-280.70	
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5)	550.06	127.59
		<i>For Factory Installed Accessory, Deduct</i>	-255.19	
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1)	614.11	140.35
		<i>For Factory Installed Accessory, Deduct</i>	-280.70	
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2)	677.28	153.11
		<i>For Factory Installed Accessory, Deduct</i>	-306.22	
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3)	855.11	191.39
		<i>For Factory Installed Accessory, Deduct</i>	-382.78	
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4)	1,072.38	229.67
		<i>For Factory Installed Accessory, Deduct</i>	-459.33	
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5)	638.31	140.35
		<i>For Factory Installed Accessory, Deduct</i>	-280.70	
26 29 13 13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1)	701.47	153.11
		<i>For Factory Installed Accessory, Deduct</i>	-306.22	
26 29 13 13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2)	766.43	165.87
		<i>For Factory Installed Accessory, Deduct</i>	-331.74	
26 29 13 13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3)	983.44	223.28
		<i>For Factory Installed Accessory, Deduct</i>	-446.58	
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4)	1,199.81	261.56
		<i>For Factory Installed Accessory, Deduct</i>	-523.13	
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1)	1,047.43	153.11
		<i>For Factory Installed Accessory, Deduct</i>	-306.22	
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2)	1,173.29	191.39
		<i>For Factory Installed Accessory, Deduct</i>	-382.78	
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3)	1,531.22	255.19
		<i>For Factory Installed Accessory, Deduct</i>	-510.37	
26 29 13 13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1)	1,556.89	191.39
		<i>For Factory Installed Accessory, Deduct</i>	-382.78	
26 29 13 13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2)	1,787.55	255.19
		<i>For Factory Installed Accessory, Deduct</i>	-510.37	
26 29 13 13-0103	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3)	2,271.86	318.99
		<i>For Factory Installed Accessory, Deduct</i>	-637.96	
26 29 13 13-0104	EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4)	3,216.85	382.78
		<i>For Factory Installed Accessory, Deduct</i>	-765.56	
26 29 13 13-0105	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1)	3,471.96	318.99
		<i>For Factory Installed Accessory, Deduct</i>	-637.96	
26 29 13 13-0106	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2)	3,829.90	382.78
		<i>For Factory Installed Accessory, Deduct</i>	-765.56	
26 29 13 13-0107	EA	Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3)	5,156.70	446.58
		<i>For Factory Installed Accessory, Deduct</i>	-893.15	
26 29 13 13-0108	EA	Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1)	6,906.79	382.78
		<i>For Factory Installed Accessory, Deduct</i>	-765.56	
26 29 13 13-0109	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2)	7,698.83	510.37
		<i>For Factory Installed Accessory, Deduct</i>	-1,020.74	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 29 13 13-0110	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2)	19,760.30		765.56
		<i>For Factory Installed Accessory, Deduct</i>	-1,531.11		
26 29 13 13-0111	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2)	28,313.55		1,148.33
		<i>For Factory Installed Accessory, Deduct</i>	-2,296.68		
26 29 13 13-0112		NEMA 1, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>			
26 29 13 13-0113	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11)	540.20		127.59
		<i>For Factory Installed Accessory, Deduct</i>	-255.19		
26 29 13 13-0114	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12)	603.36		140.35
		<i>For Factory Installed Accessory, Deduct</i>	-280.70		
26 29 13 13-0115	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5)	577.85		127.59
		<i>For Factory Installed Accessory, Deduct</i>	-255.19		
26 29 13 13-0116	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1)	642.79		140.35
		<i>For Factory Installed Accessory, Deduct</i>	-280.70		
26 29 13 13-0117	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2)	705.96		153.11
		<i>For Factory Installed Accessory, Deduct</i>	-306.22		
26 29 13 13-0118	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3)	885.59		191.39
		<i>For Factory Installed Accessory, Deduct</i>	-382.78		
26 29 13 13-0119	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4)	1,103.75		229.67
		<i>For Factory Installed Accessory, Deduct</i>	-459.33		
26 29 13 13-0120	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5)	667.89		140.35
		<i>For Factory Installed Accessory, Deduct</i>	-280.70		
26 29 13 13-0121	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1)	732.84		153.11
		<i>For Factory Installed Accessory, Deduct</i>	-306.22		
26 29 13 13-0122	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2)	796.01		165.87
		<i>For Factory Installed Accessory, Deduct</i>	-331.74		
26 29 13 13-0123	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3)	1,013.92		223.28
		<i>For Factory Installed Accessory, Deduct</i>	-446.58		
26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4)	1,229.39		261.56
		<i>For Factory Installed Accessory, Deduct</i>	-523.13		
26 29 13 13-0125	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1)	1,180.08		153.11
		<i>For Factory Installed Accessory, Deduct</i>	-306.22		
26 29 13 13-0126	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2)	1,306.83		191.39
		<i>For Factory Installed Accessory, Deduct</i>	-382.78		
26 29 13 13-0127	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3)	1,663.87		255.19
		<i>For Factory Installed Accessory, Deduct</i>	-510.37		
26 29 13 13-0128	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1)	1,817.71		191.39
		<i>For Factory Installed Accessory, Deduct</i>	-382.78		
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2)	2,047.47		255.19
		<i>For Factory Installed Accessory, Deduct</i>	-510.37		
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3)	2,532.67		318.99
		<i>For Factory Installed Accessory, Deduct</i>	-637.96		
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1)	4,012.41		318.99
		<i>For Factory Installed Accessory, Deduct</i>	-637.96		
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2)	4,370.35		382.78
		<i>For Factory Installed Accessory, Deduct</i>	-765.56		
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2)	8,683.83		510.37
		<i>For Factory Installed Accessory, Deduct</i>	-1,020.74		
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2)	24,091.97		765.56
		<i>For Factory Installed Accessory, Deduct</i>	-1,531.11		
26 29 13 13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJG2)	32,657.76		1,148.33
		<i>For Factory Installed Accessory, Deduct</i>	-2,296.68		
26 29 13 13-0136		NEMA 12, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>			
26 29 13 13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1)	796.05		140.35
		<i>For Factory Installed Accessory, Deduct</i>	-280.70		
26 29 13 13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2)	859.22		153.11
		<i>For Factory Installed Accessory, Deduct</i>	-306.22		

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

26 29 13 13-0139	EA			Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2).....	949.27	165.87
				<i>For Factory Installed Accessory, Deduct</i>	-331.74	
26 29 13 13-0140	EA			Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1).....	1,459.72	153.11
				<i>For Factory Installed Accessory, Deduct</i>	-306.22	
26 29 13 13-0141	EA			Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2).....	1,587.36	191.39
				<i>For Factory Installed Accessory, Deduct</i>	-382.78	
26 29 13 13-0142	EA			Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1).....	2,149.32	191.39
				<i>For Factory Installed Accessory, Deduct</i>	-382.78	
26 29 13 13-0143	EA			Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2).....	2,378.19	255.19
				<i>For Factory Installed Accessory, Deduct</i>	-510.37	
26 29 13 13-0144	EA			Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2).....	5,468.28	382.78
				<i>For Factory Installed Accessory, Deduct</i>	-765.56	
26 29 13 13-0145	EA			Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2).....	11,493.63	510.37
				<i>For Factory Installed Accessory, Deduct</i>	-1,020.74	
26 29 13 13-0146	EA			Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2).....	27,537.22	765.56
				<i>For Factory Installed Accessory, Deduct</i>	-1,531.11	

26 29 13 13-0147 NEMA 4/4X, Non Reversing, Magnetic Contactors (26 29 13 13-0084)
 Note: Brushed stainless steel enclosure.

26 29 13 13-0148	EA			Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12).....	1,153.19	153.11
				<i>For Factory Installed Accessory, Deduct</i>	-306.22	
26 29 13 13-0149	EA			Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11).....	1,192.63	153.11
				<i>For Factory Installed Accessory, Deduct</i>	-306.22	
26 29 13 13-0150	EA			Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12).....	1,255.79	165.87
				<i>For Factory Installed Accessory, Deduct</i>	-331.74	
26 29 13 13-0151	EA			Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13).....	1,473.70	223.28
				<i>For Factory Installed Accessory, Deduct</i>	-446.58	
26 29 13 13-0152	EA			Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12).....	2,226.40	191.39
				<i>For Factory Installed Accessory, Deduct</i>	-382.78	
26 29 13 13-0153	EA			Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12).....	3,348.85	255.19
				<i>For Factory Installed Accessory, Deduct</i>	-510.37	
26 29 13 13-0154	EA			Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12).....	6,592.20	382.78
				<i>For Factory Installed Accessory, Deduct</i>	-765.56	
26 29 13 13-0155	EA			Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12).....	11,493.63	510.37
				<i>For Factory Installed Accessory, Deduct</i>	-1,020.74	
26 29 13 13-0156	EA			Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2).....	30,473.40	765.56
				<i>For Factory Installed Accessory, Deduct</i>	-1,531.11	

26 29 13 13-0157 NEMA 7/9, Non Reversing, Magnetic Contactors (26 29 13 13-0084)
 Note: Bolted cast iron enclosure.

26 29 13 13-0158	EA			Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2).....	2,263.57	204.15
				<i>For Factory Installed Accessory, Deduct</i>	-408.30	

26 29 13 13-0159 Non Reversing, Magnetic Starters (26 29 13 13-0083)

26 29 13 13-0160 Open Enclosure, Non Reversing, Magnetic Starters (26 29 13 13-0159)

26 29 13 13-0161	EA			Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11).....	601.15	127.59
				<i>For Factory Installed Accessory, Deduct</i>	-255.19	
26 29 13 13-0162	EA			Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12).....	626.66	140.35
				<i>For Factory Installed Accessory, Deduct</i>	-280.70	
26 29 13 13-0163	EA			Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1).....	670.58	140.35
				<i>For Factory Installed Accessory, Deduct</i>	-280.70	
26 29 13 13-0164	EA			Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2).....	740.91	153.11
				<i>For Factory Installed Accessory, Deduct</i>	-306.22	
26 29 13 13-0165	EA			Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4).....	1,184.41	229.67
				<i>For Factory Installed Accessory, Deduct</i>	-459.33	
26 29 13 13-0166	EA			Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1).....	760.63	153.11
				<i>For Factory Installed Accessory, Deduct</i>	-306.22	
26 29 13 13-0167	EA			Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3).....	887.43	165.87
				<i>For Factory Installed Accessory, Deduct</i>	-331.74	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 29 Low-Voltage Controllers

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2)	925.07		165.87
		<i>For Factory Installed Accessory, Deduct</i>	-331.74		
26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6)	1,128.99		153.11
		<i>For Factory Installed Accessory, Deduct</i>	-306.22		
26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1).....	1,288.91		191.39
		<i>For Factory Installed Accessory, Deduct</i>	-382.78		
26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1).....	1,978.46		255.19
		<i>For Factory Installed Accessory, Deduct</i>	-510.37		
26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1)	4,123.88		382.78
		<i>For Factory Installed Accessory, Deduct</i>	-765.56		
26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1).....	9,223.38		510.37
		<i>For Factory Installed Accessory, Deduct</i>	-1,020.74		
26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2).....	21,030.32		765.56
		<i>For Factory Installed Accessory, Deduct</i>	-1,531.11		
26 29 13 13-0175	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2)	30,314.02		1,148.33
		<i>For Factory Installed Accessory, Deduct</i>	-2,296.68		
26 29 13 13-0176 NEMA 1, Non Reversing, Magnetic Starters (26 29 13 13-0159)					
26 29 13 13-0177	EA	Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11)	630.73		127.59
		<i>For Factory Installed Accessory, Deduct</i>	-255.19		
26 29 13 13-0178	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12).....	656.24		140.35
		<i>For Factory Installed Accessory, Deduct</i>	-280.70		
26 29 13 13-0179	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1)	700.15		140.35
		<i>For Factory Installed Accessory, Deduct</i>	-280.70		
26 29 13 13-0180	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2).....	770.49		153.11
		<i>For Factory Installed Accessory, Deduct</i>	-306.22		
26 29 13 13-0181	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1)	789.31		153.11
		<i>For Factory Installed Accessory, Deduct</i>	-306.22		
26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3)	860.54		165.87
		<i>For Factory Installed Accessory, Deduct</i>	-331.74		
26 29 13 13-0183	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2).....	955.54		165.87
		<i>For Factory Installed Accessory, Deduct</i>	-331.74		
26 29 13 13-0184	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6).....	1,262.54		153.11
		<i>For Factory Installed Accessory, Deduct</i>	-306.22		
26 29 13 13-0185	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1).....	1,422.45		191.39
		<i>For Factory Installed Accessory, Deduct</i>	-382.78		
26 29 13 13-0186	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1).....	2,239.27		255.19
		<i>For Factory Installed Accessory, Deduct</i>	-510.37		
26 29 13 13-0187	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1).....	4,664.33		382.78
		<i>For Factory Installed Accessory, Deduct</i>	-765.56		
26 29 13 13-0188	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1).....	10,211.07		510.37
		<i>For Factory Installed Accessory, Deduct</i>	-1,020.74		
26 29 13 13-0189 NEMA 12, Non Reversing, Magnetic Starters (26 29 13 13-0159)					
26 29 13 13-0190	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1).....	853.42		140.35
		<i>For Factory Installed Accessory, Deduct</i>	-280.70		
26 29 13 13-0191	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2).....	923.75		153.11
		<i>For Factory Installed Accessory, Deduct</i>	-306.22		
26 29 13 13-0192	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1).....	942.57		153.11
		<i>For Factory Installed Accessory, Deduct</i>	-306.22		
26 29 13 13-0193	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3).....	1,013.80		165.87
		<i>For Factory Installed Accessory, Deduct</i>	-331.74		
26 29 13 13-0194	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2).....	1,108.80		165.87
		<i>For Factory Installed Accessory, Deduct</i>	-331.74		
26 29 13 13-0195	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6).....	1,543.07		153.11
		<i>For Factory Installed Accessory, Deduct</i>	-306.22		
26 29 13 13-0196	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1)	1,702.09		191.39
		<i>For Factory Installed Accessory, Deduct</i>	-382.78		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 29 13 13-0197	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1) 2,569.99 <i>For Factory Installed Accessory, Deduct</i> -510.37		255.19
	26 29 13 13-0198	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1) 5,761.36 <i>For Factory Installed Accessory, Deduct</i> -765.56		382.78
	26 29 13 13-0199	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1) 13,018.18 <i>For Factory Installed Accessory, Deduct</i> -1,020.74		510.37
	26 29 13 13-0200	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2) 30,863.27 <i>For Factory Installed Accessory, Deduct</i> -1,531.11		765.56
26 29 13 13-0201	NEMA 3R, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>					
	26 29 13 13-0202	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1) 853.42 <i>For Factory Installed Accessory, Deduct</i> -280.70		140.35
	26 29 13 13-0203	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2) 923.75 <i>For Factory Installed Accessory, Deduct</i> -306.22		153.11
	26 29 13 13-0204	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1) 942.57 <i>For Factory Installed Accessory, Deduct</i> -306.22		153.11
	26 29 13 13-0205	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3) 1,013.80 <i>For Factory Installed Accessory, Deduct</i> -331.74		165.87
	26 29 13 13-0206	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2) 1,108.80 <i>For Factory Installed Accessory, Deduct</i> -331.74		165.87
	26 29 13 13-0207	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6) 1,543.07 <i>For Factory Installed Accessory, Deduct</i> -306.22		153.11
	26 29 13 13-0208	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1) 1,702.09 <i>For Factory Installed Accessory, Deduct</i> -382.78		191.39
	26 29 13 13-0209	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1) 2,569.99 <i>For Factory Installed Accessory, Deduct</i> -510.37		255.19
	26 29 13 13-0210	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1) 5,761.36 <i>For Factory Installed Accessory, Deduct</i> -765.56		382.78
26 29 13 13-0211	NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>					
	Note: Bolted cast aluminum enclosure.					
	26 29 13 13-0212	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4) 2,360.80 <i>For Factory Installed Accessory, Deduct</i> -433.82		216.91
	26 29 13 13-0213	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1) 2,882.42 <i>For Factory Installed Accessory, Deduct</i> -433.82		216.91
	26 29 13 13-0214	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3) 2,972.47 <i>For Factory Installed Accessory, Deduct</i> -459.33		229.67
	26 29 13 13-0215	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1) 4,567.78 <i>For Factory Installed Accessory, Deduct</i> -510.37		255.19
	26 29 13 13-0216	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43) 5,512.76 <i>For Factory Installed Accessory, Deduct</i> -637.96		318.99
	26 29 13 13-0217	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41) 8,760.59 <i>For Factory Installed Accessory, Deduct</i> -893.15		446.58
26 29 13 13-0218	NEMA 4/4X, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>					
	Note: Brushed stainless steel enclosure.					
	26 29 13 13-0219	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11) 1,146.49 <i>For Factory Installed Accessory, Deduct</i> -280.70		140.35
	26 29 13 13-0220	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12) 1,217.72 <i>For Factory Installed Accessory, Deduct</i> -306.22		153.11
	26 29 13 13-0221	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11) 1,249.09 <i>For Factory Installed Accessory, Deduct</i> -306.22		153.11
	26 29 13 13-0222	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13) 1,320.32 <i>For Factory Installed Accessory, Deduct</i> -331.74		165.87
	26 29 13 13-0223	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12) 1,415.33 <i>For Factory Installed Accessory, Deduct</i> -331.74		165.87
	26 29 13 13-0224	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16) 2,180.32 <i>For Factory Installed Accessory, Deduct</i> -306.22		153.11
	26 29 13 13-0225	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11) 3,539.76 <i>For Factory Installed Accessory, Deduct</i> -510.37		255.19

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 29 13 13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11).....	6,884.38		382.78
		<i>For Factory Installed Accessory, Deduct</i>	-765.56		
26 29 13 13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11).....	15,177.29		510.37
		<i>For Factory Installed Accessory, Deduct</i>	-1,020.74		
26 29 13 13-0228		NEMA 4X, Non Reversing, Magnetic Starters (26 29 13 13-0159)			
		Note: Glass polyester enclosure.			
26 29 13 13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21).....	2,342.02		191.39
		<i>For Factory Installed Accessory, Deduct</i>	-382.78		
26 29 13 13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21).....	4,298.00		255.19
		<i>For Factory Installed Accessory, Deduct</i>	-510.37		
26 29 13 13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21).....	8,415.21		382.78
		<i>For Factory Installed Accessory, Deduct</i>	-765.56		
26 29 13 13-0232		NEMA 7/9, Non Reversing, Magnetic Starters (26 29 13 13-0159)			
		Note: Bolted cast iron enclosure.			
26 29 13 13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1).....	2,282.40		204.15
		<i>For Factory Installed Accessory, Deduct</i>	-408.30		
26 29 13 13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2).....	2,360.80		216.91
		<i>For Factory Installed Accessory, Deduct</i>	-433.82		
26 29 13 13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1).....	2,393.06		216.91
		<i>For Factory Installed Accessory, Deduct</i>	-433.82		
26 29 13 13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3).....	2,467.87		229.67
		<i>For Factory Installed Accessory, Deduct</i>	-459.33		
26 29 13 13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2).....	2,577.21		229.67
		<i>For Factory Installed Accessory, Deduct</i>	-459.33		
26 29 13 13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1).....	3,757.55		255.19
		<i>For Factory Installed Accessory, Deduct</i>	-510.37		
26 29 13 13-0239		Reversing, Magnetic Starters (26 29 13 13-0083)			
26 29 13 13-0240		Open Enclosure, Reversing, Magnetic Starters (26 29 13 13-0239)			
26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13).....	1,105.22		165.87
		<i>For Factory Installed Accessory, Deduct</i>	-331.74		
26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16).....	1,161.68		165.87
		<i>For Factory Installed Accessory, Deduct</i>	-331.74		
26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1).....	1,284.00		178.63
		<i>For Factory Installed Accessory, Deduct</i>	-357.26		
26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2).....	1,334.62		191.39
		<i>For Factory Installed Accessory, Deduct</i>	-382.78		
26 29 13 13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10).....	1,365.99		191.39
		<i>For Factory Installed Accessory, Deduct</i>	-382.78		
26 29 13 13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2).....	1,461.41		204.15
		<i>For Factory Installed Accessory, Deduct</i>	-408.30		
26 29 13 13-0247	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3).....	1,526.58		223.28
		<i>For Factory Installed Accessory, Deduct</i>	-446.58		
26 29 13 13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7).....	1,558.85		223.28
		<i>For Factory Installed Accessory, Deduct</i>	-446.58		
26 29 13 13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1).....	2,615.70		255.19
		<i>For Factory Installed Accessory, Deduct</i>	-510.37		
26 29 13 13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1).....	4,262.80		382.78
		<i>For Factory Installed Accessory, Deduct</i>	-765.56		
26 29 13 13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1).....	9,689.76		574.17
		<i>For Factory Installed Accessory, Deduct</i>	-1,148.33		
26 29 13 13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1).....	17,940.88		765.56
		<i>For Factory Installed Accessory, Deduct</i>	-1,531.11		
26 29 13 13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1).....	57,703.47		1,403.52
		<i>For Factory Installed Accessory, Deduct</i>	-2,807.05		
26 29 13 13-0254		NEMA 1, Reversing, Magnetic Starters (26 29 13 13-0239)			

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

26 29 13 13-0255	EA			Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	1,133.48	153.11
				<i>For Factory Installed Accessory, Deduct</i>	-306.22	
26 29 13 13-0256	EA			Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	1,185.88	165.87
				<i>For Factory Installed Accessory, Deduct</i>	-331.74	
26 29 13 13-0257	EA			Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	1,218.15	165.87
				<i>For Factory Installed Accessory, Deduct</i>	-331.74	
26 29 13 13-0258	EA			Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,337.78	178.63
				<i>For Factory Installed Accessory, Deduct</i>	-357.26	
26 29 13 13-0259	EA			Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,390.19	191.39
				<i>For Factory Installed Accessory, Deduct</i>	-382.78	
26 29 13 13-0260	EA			Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,422.45	191.39
				<i>For Factory Installed Accessory, Deduct</i>	-382.78	
26 29 13 13-0261	EA			Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,542.08	204.15
				<i>For Factory Installed Accessory, Deduct</i>	-408.30	
26 29 13 13-0262	EA			Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,607.25	223.28
				<i>For Factory Installed Accessory, Deduct</i>	-446.58	
26 29 13 13-0263	EA			Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,639.51	223.28
				<i>For Factory Installed Accessory, Deduct</i>	-446.58	
26 29 13 13-0264	EA			Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	2,825.43	255.19
				<i>For Factory Installed Accessory, Deduct</i>	-510.37	
26 29 13 13-0265	EA			Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	4,625.79	382.78
				<i>For Factory Installed Accessory, Deduct</i>	-765.56	
26 29 13 13-0266	EA			Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	10,356.59	574.17
				<i>For Factory Installed Accessory, Deduct</i>	-1,148.33	

26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters (26 29 13 13-0239)

26 29 13 13-0268	EA			Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,619.63	191.39
				<i>For Factory Installed Accessory, Deduct</i>	-382.78	
26 29 13 13-0269	EA			Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,651.90	191.39
				<i>For Factory Installed Accessory, Deduct</i>	-382.78	
26 29 13 13-0270	EA			Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	1,868.96	223.28
				<i>For Factory Installed Accessory, Deduct</i>	-446.58	
26 29 13 13-0271	EA			Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	3,209.03	255.19
				<i>For Factory Installed Accessory, Deduct</i>	-510.37	

26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters (26 29 13 13-0239)

Note: Brushed stainless steel enclosure.						
26 29 13 13-0273	EA			Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	2,008.61	191.39
				<i>For Factory Installed Accessory, Deduct</i>	-382.78	
26 29 13 13-0274	EA			Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	2,359.48	204.15
				<i>For Factory Installed Accessory, Deduct</i>	-408.30	

26 29 13 13-0275 Magnetic Contactor/Starters Accessories (26 29 13 13-0083)

26 29 13 13-0276	EA			NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	150.46	15.95
				<i>For Factory Installed Accessory, Deduct</i>	-31.90	
26 29 13 13-0277	EA			NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	251.64	15.95
				<i>For Factory Installed Accessory, Deduct</i>	-31.90	
26 29 13 13-0278	EA			NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	150.46	15.95
				<i>For Factory Installed Accessory, Deduct</i>	-31.90	
26 29 13 13-0279	EA			NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	251.64	15.95
				<i>For Factory Installed Accessory, Deduct</i>	-31.90	
26 29 13 13-0280	EA			NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	251.64	15.95
				<i>For Factory Installed Accessory, Deduct</i>	-31.90	
26 29 13 13-0281	EA			Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	126.69	12.76
				<i>For Factory Installed Accessory, Deduct</i>	-25.51	
26 29 13 13-0282	EA			External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	113.41	12.76
				<i>For Factory Installed Accessory, Deduct</i>	-25.51	
26 29 13 13-0283	EA			External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	150.46	15.95
				<i>For Factory Installed Accessory, Deduct</i>	-31.90	
26 29 13 13-0284	EA			External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)	126.69	12.76
				<i>For Factory Installed Accessory, Deduct</i>	-25.51	
26 29 13 13-0285	EA			External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	168.86	15.95
				<i>For Factory Installed Accessory, Deduct</i>	-31.90	
26 29 13 13-0286	EA			30 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	187.00	12.76
				<i>For Factory Installed Accessory, Deduct</i>	-25.51	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0287	EA		45 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	318.84	12.76
			<i>For Factory Installed Accessory, Deduct</i>	-25.51	
26 29 13 13-0288	EA		60 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	338.26	12.76
			<i>For Factory Installed Accessory, Deduct</i>	-25.51	
26 29 13 13-0289	EA		30 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	404.95	15.95
			<i>For Factory Installed Accessory, Deduct</i>	-31.90	
26 29 13 13-0290	EA		45 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	702.37	15.95
			<i>For Factory Installed Accessory, Deduct</i>	-31.90	
26 29 13 13-0291	EA		60 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	702.37	15.95
			<i>For Factory Installed Accessory, Deduct</i>	-31.90	
26 29 13 13-0292	EA		Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	45.82	9.57
			<i>For Factory Installed Accessory, Deduct</i>	-19.14	
26 29 13 13-0293	EA		1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	90.92	12.76
			<i>For Factory Installed Accessory, Deduct</i>	-25.51	
26 29 13 13-0294	EA		2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	119.80	15.95
			<i>For Factory Installed Accessory, Deduct</i>	-31.90	
26 29 13 13-0295	EA		Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	95.27	15.95
			<i>For Factory Installed Accessory, Deduct</i>	-31.90	
26 29 13 13-0296	EA		Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	53.18	9.57
			<i>For Factory Installed Accessory, Deduct</i>	-19.14	
26 29 13 13-0297	EA		Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	33.76	9.57
			<i>For Factory Installed Accessory, Deduct</i>	-19.14	
26 29 13 13-0298	EA		1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	163.49	12.76
			<i>For Factory Installed Accessory, Deduct</i>	-25.51	
26 29 13 13-0299	EA		2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	280.26	15.95
			<i>For Factory Installed Accessory, Deduct</i>	-31.90	
26 29 13 13-0300			Definite Purpose Starters <small>(26 29 13 13)</small>		
26 29 13 13-0301			Open Enclosure, Definite Purpose Starter <small>(26 29 13 13-0300)</small>		
26 29 13 13-0302	EA		Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	572.41	153.11
			<i>For Factory Installed Accessory, Deduct</i>	-306.22	
26 29 13 13-0303	EA		Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	571.52	153.11
			<i>For Factory Installed Accessory, Deduct</i>	-306.22	
26 29 13 13-0304	EA		Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	618.55	165.87
			<i>For Factory Installed Accessory, Deduct</i>	-331.74	
26 29 13 13-0305	EA		Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	604.68	153.11
			<i>For Factory Installed Accessory, Deduct</i>	-306.22	
26 29 13 13-0306	EA		Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	657.09	165.87
			<i>For Factory Installed Accessory, Deduct</i>	-331.74	
26 29 13 13-0307	EA		Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	633.36	153.11
			<i>For Factory Installed Accessory, Deduct</i>	-306.22	
26 29 13 13-0308	EA		Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	740.39	191.39
			<i>For Factory Installed Accessory, Deduct</i>	-382.78	
26 29 13 13-0309	EA		Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	814.78	191.39
			<i>For Factory Installed Accessory, Deduct</i>	-382.78	
26 29 13 13-0310	EA		Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	1,018.40	223.28
			<i>For Factory Installed Accessory, Deduct</i>	-446.58	
26 29 13 13-0311			NEMA 1, Definite Purpose Starter <small>(26 29 13 13-0300)</small>		
26 29 13 13-0312	EA		NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	578.26	140.35
			<i>For Factory Installed Accessory, Deduct</i>	-280.70	
26 29 13 13-0313	EA		NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	625.29	153.11
			<i>For Factory Installed Accessory, Deduct</i>	-306.22	
26 29 13 13-0314	EA		NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	623.50	153.11
			<i>For Factory Installed Accessory, Deduct</i>	-306.22	
26 29 13 13-0315	EA		NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	673.22	165.87
			<i>For Factory Installed Accessory, Deduct</i>	-331.74	
26 29 13 13-0316	EA		NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	657.56	153.11
			<i>For Factory Installed Accessory, Deduct</i>	-306.22	
26 29 13 13-0317	EA		NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	710.86	165.87
			<i>For Factory Installed Accessory, Deduct</i>	-331.74	
26 29 13 13-0318	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	688.03	153.11
			<i>For Factory Installed Accessory, Deduct</i>	-306.22	
26 29 13 13-0319	EA		NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	794.17	191.39
			<i>For Factory Installed Accessory, Deduct</i>	-382.78	
26 29 13 13-0320	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	865.87	191.39
			<i>For Factory Installed Accessory, Deduct</i>	-382.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0321	EA		NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53) <i>For Factory Installed Accessory, Deduct</i>	1,070.38 -446.58	223.28
26 29 13 13-0322			Definite Purpose Starter Accessory (26 29 13 13-0300)		
26 29 13 13-0323	EA		Start-Stop Push Button Kit, Definite Purpose Starter Accessory <i>Note: Or Hand-Off-Auto Selector Switch Kit</i> <i>For Factory Installed Accessory, Deduct</i>	168.86 -31.90	15.95
26 29 13 13-0324			Panel Mounted Miniature Contactor (26 29 13 13)		
26 29 13 13-0325			Non Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)		
26 29 13 13-0326	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	178.68	63.80
26 29 13 13-0327	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	207.57	70.18
26 29 13 13-0328	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	207.57	70.18
26 29 13 13-0329	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	230.19	76.55
26 29 13 13-0330	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	194.81	63.80
26 29 13 13-0331	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	203.77	63.80
26 29 13 13-0332	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	222.81	70.18
26 29 13 13-0333	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	231.77	70.18
26 29 13 13-0334	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	228.18	70.18
26 29 13 13-0335	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	231.77	70.18
26 29 13 13-0336	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	248.11	76.55
26 29 13 13-0337	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	237.15	70.18
26 29 13 13-0338	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	257.08	76.55
26 29 13 13-0339	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	238.94	70.18
26 29 13 13-0340	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	238.94	70.18
26 29 13 13-0341	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	266.04	76.55
26 29 13 13-0342	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	266.04	76.55
26 29 13 13-0343			Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)		
26 29 13 13-0344	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	244.10	63.80
26 29 13 13-0345	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	262.03	63.80
26 29 13 13-0346	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	290.03	70.18
26 29 13 13-0347	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	290.03	70.18
26 29 13 13-0348	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	307.95	70.18
26 29 13 13-0349	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	324.30	76.55
26 29 13 13-0350	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	324.30	76.55

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 29 13 13-0351	EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	277.27	63.80
26 29 13 13-0352	EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	295.19	63.80
26 29 13 13-0353	EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	321.40	70.18
26 29 13 13-0354	EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	339.32	70.18
26 29 13 13-0355	EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	361.04	76.55
26 29 13 13-0356	EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	378.97	76.55
26 29 13 13-0357	EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	311.54	70.18
26 29 13 13-0358	EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	353.66	70.18
26 29 13 13-0359	EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	398.69	76.55
26 29 13 13-0360	Panel Mounted Miniature Contactor Accessories (26 29 13 13-0324)		
26 29 13 13-0361	EA 2 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	77.87	31.90
26 29 13 13-0362	EA 4 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	84.79	31.90
26 29 13 13-0363	EA Electronic Time Delay Contact, 2 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	97.32	31.90
26 29 13 13-0364	EA Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	122.25	31.90
26 29 13 13-0365	Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole (26 29 13 13)		
26 29 13 13-0366	NEMA 1 Enclosure (26 29 13 13-0365)		
26 29 13 13-0367	EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	6,945.11	611.79
	For NEMA 4, Add.....	711.94	
26 29 13 13-0368	EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	12,037.35	815.72
	For NEMA 4, Add.....	1,300.41	
26 29 13 13-0369	EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	20,918.76	968.67
	For NEMA 4, Add.....	2,373.45	
26 29 13 13-0370	EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	50,624.71	1,185.33
	For NEMA 4, Add.....	6,033.05	
26 29 13 13-0371	EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	80,647.55	1,516.73
	For NEMA 4, Add.....	9,701.61	
26 29 13 13-0372	NEMA 12 Enclosure (26 29 13 13-0365)		
26 29 13 13-0373	EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	6,897.67	624.79
26 29 13 13-0374	EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	11,950.70	816.99
26 29 13 13-0375	EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	20,760.60	965.61
26 29 13 13-0376	EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	50,222.70	1,180.12
26 29 13 13-0377	EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	80,001.08	1,517.36
26 29 13 13-0378	Factory Modifications Pilot Devices (26 29 13 13-0365)		
26 29 13 13-0379	EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	167.74	
26 29 13 13-0380	EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	184.99	
26 29 13 13-0381	EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	314.89	
26 29 13 13-0382	EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	171.09	
26 29 13 13-0383	EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	246.01	
26 29 13 13-0384	EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	123.01	
26 29 13 13-0385	EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	401.48	
26 29 13 13-0386	Factory Modifications Meters (26 29 13 13-0365)		
26 29 13 13-0387	EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,613.84	
26 29 13 13-0388	EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,558.74	
26 29 13 13-0389	EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	551.07	
26 29 13 13-0390	EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	456.61	
26 29 13 13-0391	Factory Modifications Main Circuit Breakers (26 29 13 13-0365)		
26 29 13 13-0392	EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker.....	2,132.92	
26 29 13 13-0393	EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker.....	3,900.85	

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

	26 29 13 13-0394	EA		Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker.....	8,297.48	
	26 29 13 13-0395			Factory Modifications Addition <small>(26 29 13 13-0365)</small> Note: For reversing service auto transformer type.		
	26 29 13 13-0396	EA		Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	358.21	
	26 29 13 13-0397	EA		Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	358.21	
	26 29 13 13-0398	EA		Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	358.21	
	26 29 13 13-0399	EA		Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	358.21	
	26 29 13 13-0400			Combination Starters Non-Reversing <small>(26 29 13 13)</small>		
	26 29 13 13-0401			240-600 Volts, 3-Pole <small>(26 29 13 13-0400)</small>		
	26 29 13 13-0402			NEMA 1 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
	26 29 13 13-0403	EA		Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,627.21	293.15
				<i>For Electronic Overloads, Add</i>	197.06	
	26 29 13 13-0404	EA		Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,017.71	458.84
				<i>For Electronic Overloads, Add</i>	207.88	
	26 29 13 13-0405	EA		Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,794.50	535.32
				<i>For Electronic Overloads, Add</i>	329.15	
	26 29 13 13-0406	EA		Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,211.13	662.77
				<i>For Electronic Overloads, Add</i>	547.86	
	26 29 13 13-0407	EA		Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,686.06	1,057.88
				<i>For Electronic Overloads, Add</i>	1,056.74	
	26 29 13 13-0408	EA		Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	15,142.78	1,325.54
				<i>For Electronic Overloads, Add</i>	2,372.62	
	26 29 13 13-0409			NEMA 1 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
	26 29 13 13-0410	EA		Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,037.50	293.15
				<i>For Electronic Overloads, Add</i>	275.01	
	26 29 13 13-0411	EA		Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,428.01	458.84
				<i>For Electronic Overloads, Add</i>	285.84	
	26 29 13 13-0412	EA		Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,193.40	535.32
				<i>For Electronic Overloads, Add</i>	404.94	
	26 29 13 13-0413	EA		Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,427.68	662.77
				<i>For Electronic Overloads, Add</i>	589.00	
	26 29 13 13-0414	EA		Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,928.34	1,057.88
				<i>For Electronic Overloads, Add</i>	1,292.78	
	26 29 13 13-0415	EA		Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	18,436.55	1,325.54
				<i>For Electronic Overloads, Add</i>	2,998.43	
	26 29 13 13-0416			Factory Modifications For NEMA 1 Enclosure <small>(26 29 13 13-0401)</small>		
	26 29 13 13-0417	EA		Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	186.85	
	26 29 13 13-0418	EA		H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	438.86	
	26 29 13 13-0419	EA		Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	302.88	
	26 29 13 13-0420			NEMA 4 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
	26 29 13 13-0421	EA		Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,918.02	382.37
				<i>For Electronic Overloads, Add</i>	404.94	
	26 29 13 13-0422	EA		Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,250.39	535.32
				<i>For Electronic Overloads, Add</i>	415.77	
	26 29 13 13-0423	EA		Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,599.29	586.29
				<i>For Electronic Overloads, Add</i>	649.64	
	26 29 13 13-0424	EA		Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,240.11	713.75
				<i>For Electronic Overloads, Add</i>	1,106.55	
	26 29 13 13-0425	EA		Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	11,447.11	1,057.88
				<i>For Electronic Overloads, Add</i>	1,771.34	
	26 29 13 13-0426	EA		Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	24,739.15	1,325.54
				<i>For Electronic Overloads, Add</i>	4,195.93	
	26 29 13 13-0427			NEMA 4 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
	26 29 13 13-0428	EA		Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,328.32	382.37
				<i>For Electronic Overloads, Add</i>	482.90	
	26 29 13 13-0429	EA		Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,660.68	535.32
				<i>For Electronic Overloads, Add</i>	493.72	
	26 29 13 13-0430	EA		Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,998.19	586.29
				<i>For Electronic Overloads, Add</i>	725.43	
	26 29 13 13-0431	EA		Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	7,456.66	713.75
				<i>For Electronic Overloads, Add</i>	1,147.69	
	26 29 13 13-0432	EA		Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	12,689.39	1,057.88
				<i>For Electronic Overloads, Add</i>	2,007.37	
	26 29 13 13-0433	EA		Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	23,451.28	1,325.54
				<i>For Electronic Overloads, Add</i>	3,951.23	
	26 29 13 13-0434			Factory Modifications For NEMA 4 Enclosure <small>(26 29 13 13-0401)</small>		
	26 29 13 13-0435	EA		Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	186.87	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0436	EA		H-0-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	438.86	
26 29 13 13-0437	EA		Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	302.88	
26 29 13 13-0438			NEMA 12 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0439	EA		Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,679.06	295.06
			<i>For Electronic Overloads, Add</i>	206.91	
26 29 13 13-0440	EA		Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,072.42	461.77
			<i>For Electronic Overloads, Add</i>	218.28	
26 29 13 13-0441	EA		Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,881.12	531.11
			<i>For Electronic Overloads, Add</i>	345.61	
26 29 13 13-0442	EA		Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,355.30	663.79
			<i>For Electronic Overloads, Add</i>	575.25	
26 29 13 13-0443	EA		Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,964.14	1,062.22
			<i>For Electronic Overloads, Add</i>	1,109.58	
26 29 13 13-0444	EA		Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	15,767.14	1,327.58
			<i>For Electronic Overloads, Add</i>	2,491.24	
26 29 13 13-0445			NEMA 12 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0446	EA		Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,168.99	295.06
			<i>For Electronic Overloads, Add</i>	299.99	
26 29 13 13-0447	EA		Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,564.67	461.77
			<i>For Electronic Overloads, Add</i>	311.81	
26 29 13 13-0448	EA		Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,387.00	531.11
			<i>For Electronic Overloads, Add</i>	441.72	
26 29 13 13-0449	EA		Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,709.27	663.79
			<i>For Electronic Overloads, Add</i>	642.51	
26 29 13 13-0450	EA		Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	9,546.41	1,062.22
			<i>For Electronic Overloads, Add</i>	1,410.21	
26 29 13 13-0451	EA		Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	19,870.07	1,327.58
			<i>For Electronic Overloads, Add</i>	3,270.80	
26 29 13 13-0452			Factory Modifications For NEMA 12 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0453	EA		Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	185.31	
26 29 13 13-0454	EA		H-0-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	435.21	
26 29 13 13-0455	EA		Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	300.36	
26 29 13 13-0456			NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0457	EA		Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,768.00	611.79
26 29 13 13-0458	EA		Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,100.97	815.72
26 29 13 13-0459	EA		Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,616.27	1,121.61
26 29 13 13-0460	EA		Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,304.06	1,529.47
26 29 13 13-0461	EA		Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	12,463.98	2,141.26
26 29 13 13-0462			Factory Modifications For NEMA 7 Or 9 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0463	EA		Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,111.19	
26 29 13 13-0464	EA		H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,111.19	
26 29 13 13-0465	EA		Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,111.19	
26 29 13 13-0466			Combination Starters Reversing <small>(26 29 13 13)</small>		
26 29 13 13-0467			240-600 Volt, 3 Pole <small>(26 29 13 13-0466)</small>		
26 29 13 13-0468			NEMA 1 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0469	EA		Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,022.70	382.37
26 29 13 13-0470	EA		Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,380.84	535.32
26 29 13 13-0471	EA		Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,384.42	586.29
26 29 13 13-0472	EA		Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	5,068.81	713.75
26 29 13 13-0473	EA		Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	9,774.37	1,057.88
26 29 13 13-0474			NEMA 1 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0475	EA		Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,239.18	382.37
26 29 13 13-0476	EA		Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,611.93	535.32
26 29 13 13-0477	EA		Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,654.94	586.29
26 29 13 13-0478	EA		Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,696.37	713.75
26 29 13 13-0479	EA		Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	10,506.10	1,057.88
26 29 13 13-0480			NEMA 12 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0481	EA		Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,148.58	393.45
26 29 13 13-0482	EA		Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,515.16	531.11
26 29 13 13-0483	EA		Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,608.94	590.12
26 29 13 13-0484	EA		Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	5,440.85	708.14
26 29 13 13-0485	EA		Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	10,553.58	1,062.22
26 29 13 13-0486			NEMA 12 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0487	EA		Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,387.12	393.45
26 29 13 13-0488	EA		Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,769.78	531.11

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

26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,907.01	590.12
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,030.48	708.14
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	11,359.84	1,062.22
26 29 13 13-0492		NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,590.39	815.72
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,972.45	1,019.64
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,110.04	1,325.54
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	11,206.62	1,733.40
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	20,226.47	2,345.19
26 29 13 13-0498		Solid State Motor Controllers <small>(26 29 13 13)</small>		
26 29 13 13-0499		Adjustable Voltage Drives, DC Motors <small>(26 29 13 13-0498)</small>		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,580.88	229.42
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,883.80	229.42
26 29 13 13-0502		Removal And Reinstallation Of Motor Starters <small>(26 29 13 13)</small>		
		Note: Includes storage and cleaning.		
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	910.39	
26 29 13 13-0504		Auxiliary Devices <small>(26 29 13 13)</small>		
26 29 13 13-0505	EA	Auxiliary Contact, Normally Open	490.76	127.46
26 29 13 13-0506	EA	Auxiliary Contact, Normally Closed.....	490.76	127.46
26 29 13 13-0507	EA	Pilot Light Kit.....	514.56	127.46
26 29 23		Variable-Frequency Motor Controllers <small>(26 29)</small>		
26 29 23 00-0001		208/230 Volt Variable Frequency Drives <small>(26 29 23)</small>		
		Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive	1,849.92	264.98
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive	2,064.96	264.98
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive	2,386.88	264.98
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive	2,598.14	264.98
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive	2,733.94	264.98
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive	2,826.03	264.98
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive	3,150.89	398.25
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive	3,832.12	398.25
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive	4,636.58	529.81
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive	5,360.61	529.81
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive	6,671.34	663.10
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive	8,285.59	663.10
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive	10,084.99	778.58
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive	11,350.34	930.88
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive	12,928.09	995.28
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive	15,072.54	930.88
26 29 23 00-0018		460/480 Volt Variable Frequency Drives <small>(26 29 23)</small>		
		Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0019	EA	3 HP, 480 Volt Variable Frequency Drive	2,466.12	232.63
		Note: Wall mounted.		
26 29 23 00-0020	EA	5 HP, 480 Volt Variable Frequency Drive	2,649.69	264.98
		Note: Wall mounted.		
26 29 23 00-0021	EA	7.5 HP, 480 Volt Variable Frequency Drive	2,832.74	398.25
		Note: Wall mounted.		
26 29 23 00-0022	EA	10 HP, 480 Volt Variable Frequency Drive	3,150.44	398.26
		Note: Wall mounted.		
26 29 23 00-0023	EA	15 HP, 480 Volt Variable Frequency Drive	3,968.85	529.81
		Note: Wall mounted.		
26 29 23 00-0024	EA	20 HP, 480 Volt Variable Frequency Drive	4,635.43	529.84
		Note: Wall mounted.		
26 29 23 00-0025	EA	25 HP, 480 Volt Variable Frequency Drive	5,818.75	663.11
		Note: Wall mounted.		
26 29 23 00-0026	EA	30 HP, 480 Volt Variable Frequency Drive	6,633.23	663.10
		Note: Wall mounted.		
26 29 23 00-0027	EA	40 HP, 480 Volt Variable Frequency Drive	7,935.92	778.58
		Note: Wall mounted.		
26 29 23 00-0028	EA	50 HP, 480 Volt Variable Frequency Drive	9,392.41	930.88
		Note: Wall mounted.		
26 29 23 00-0029	EA	60 HP, 480 Volt Variable Frequency Drive	10,885.91	995.28
		Note: Wall mounted.		
26 29 23 00-0030	EA	75 HP, 480 Volt Variable Frequency Drive	12,302.68	1,059.68
		Note: Wall mounted.		
26 29 23 00-0031	EA	100 HP, 480 Volt Variable Frequency Drive	14,662.11	1,123.77
		Note: Wall mounted.		
26 29 23 00-0032	EA	125 HP, 480 Volt Variable Frequency Drive	17,347.99	1,186.90
		Note: Wall mounted.		
26 29 23 00-0033	EA	150 HP, 480 Volt Variable Frequency Drive	19,949.58	1,326.12
		Note: Floor mounted.		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

26 29 23 00-0034	EA	200 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	26,726.86	1,453.94
26 29 23 00-0035	EA	250 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	34,311.50	1,582.49
26 29 23 00-0036	EA	300 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	40,399.42	1,854.50
26 29 23 00-0037	EA	350 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	46,902.90	2,100.70
26 29 23 00-0038	EA	400 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	54,885.15	2,373.80
26 29 23 00-0039	EA	450 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	59,273.92	2,667.13

26 30 Facility Electrical Power Generating And Storing Equipment

(26)

26 31 Photovoltaic Collectors (26 30)**26 31 00 00-0001 Rigid Photovoltaic Modules (26 31)****26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules (26 31 00 00-0001)**

26 31 00 00-0003	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)..... <i>For >50, Deduct</i>	1,321.66 -107.95	121.09
26 31 00 00-0004	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)..... <i>For >50, Deduct</i>	1,380.18 -113.80	121.09
26 31 00 00-0005	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)..... <i>For >50, Deduct</i>	1,298.70 -105.65	121.09

26 31 00 00-0006 Sharp Rigid Photovoltaic Modules (26 31 00 00-0001)

26 31 00 00-0007	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)..... <i>For >50, Deduct</i>	1,058.17 -81.60	121.09
26 31 00 00-0008	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)..... <i>For >50, Deduct</i>	1,188.78 -94.66	121.09
26 31 00 00-0009	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)..... <i>For >50, Deduct</i>	1,209.47 -96.73	121.09
26 31 00 00-0010	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)..... <i>For >50, Deduct</i>	1,144.81 -90.27	121.09

26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules (26 31 00 00-0001)

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0012	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)..... <i>For >50, Deduct</i>	577.03 -33.49	121.09
26 31 00 00-0013	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)..... <i>For >50, Deduct</i>	686.96 -44.48	121.09
26 31 00 00-0014	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)..... <i>For >50, Deduct</i>	730.92 -48.88	121.09

26 31 00 00-0015 Photovoltaic Inverters (26 31)**26 31 00 00-0016 Fronius Photovoltaic Inverters (26 31 00 00-0015)**

26 31 00 00-0017	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1).....	3,004.37	127.46
26 31 00 00-0018	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1).....	3,926.36	127.46
26 31 00 00-0019	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1).....	4,138.19	127.46
26 31 00 00-0020	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1).....	4,613.44	127.46
26 31 00 00-0021	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1).....	7,238.47	127.46
26 31 00 00-0022	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1).....	8,395.60	127.46
26 31 00 00-0023	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta).....	6,973.03	254.91
26 31 00 00-0024	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3).....	8,764.25	254.91
26 31 00 00-0025	EA	Inverter Display Stand (Fronius 4,045,894).....	310.71	63.73

26 31 00 00-0026 SMA Photovoltaic Inverters (26 31 00 00-0015)

26 31 00 00-0027	EA	4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22).....	2,263.18	127.46
26 31 00 00-0028	EA	5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22).....	2,693.63	127.46
26 31 00 00-0029	EA	6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22).....	3,094.79	127.46
26 31 00 00-0030	EA	7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22).....	3,401.05	127.46
26 31 00 00-0031	EA	8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12).....	3,297.88	127.46

26 31 00 00-0032 PVPowered Photovoltaic Inverters (26 31 00 00-0015)

26 31 00 00-0033	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100).....	2,770.35	127.46
26 31 00 00-0034	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000).....	2,892.15	127.46
26 31 00 00-0035	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500).....	3,183.41	127.46
26 31 00 00-0036	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500).....	3,782.00	159.32
26 31 00 00-0037	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600).....	4,608.30	191.19
26 31 00 00-0038	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800).....	4,645.38	191.19
26 31 00 00-0039	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200).....	4,892.15	191.19
26 31 00 00-0040	EA	208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	57,191.16	1,019.64
26 31 00 00-0041	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	57,265.64	1,019.64
26 31 00 00-0042	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	61,891.32	1,019.64

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0043 EA 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	57,443.38	1,019.64
26 31 00 00-0044 Solectria Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0045 EA 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	9,087.29	254.91
26 31 00 00-0046 EA 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	9,087.29	254.91
26 31 00 00-0047 EA 208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	9,346.34	254.91
26 31 00 00-0048 EA 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	9,346.34	254.91
26 31 00 00-0049 EA 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	28,441.99	764.73
26 31 00 00-0050 EA 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	27,146.73	764.73
26 31 00 00-0051 EA 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	31,032.50	764.73
26 31 00 00-0052 EA 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	30,312.91	764.73
26 31 00 00-0053 EA 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	32,903.42	764.73
26 31 00 00-0054 EA 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	31,464.25	764.73
26 31 00 00-0055 EA 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	34,852.42	1,019.64
26 31 00 00-0056 EA 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	33,269.33	1,019.64
26 31 00 00-0057 EA 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	36,147.68	1,019.64
26 31 00 00-0058 EA 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	34,276.75	1,019.64
26 31 00 00-0059 Xantrex Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0060 EA 0.6 KW Photovoltaic Inverter (Xantrex 806-1206).....	398.99	31.87
26 31 00 00-0061 EA 1 KW Photovoltaic Inverter (Xantrex 806-1210).....	432.29	31.87
26 31 00 00-0062 EA 2 KW Photovoltaic Inverter (Xantrex 806-1220).....	677.02	31.87
26 31 00 00-0063 Photovoltaic DC-DC Converters <small>(26 31)</small>		
26 31 00 00-0064 EA 15 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20)	261.12	47.80
Note: Hazardous locations.		
26 31 00 00-0065 EA 20 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	188.70	47.80
26 31 00 00-0066 EA 60 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	447.34	47.80
26 31 00 00-0067 Photovoltaic Combiner Boxes <small>(26 31)</small>		
26 31 00 00-0068 Midnight Solar Photovoltaic Combiner Boxes <small>(26 31 00 00-0067)</small>		
26 31 00 00-0069 EA 3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	377.02	127.46
26 31 00 00-0070 EA 6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	370.31	127.46
26 31 00 00-0071 EA 12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	578.61	191.19
26 31 00 00-0072 EA 6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	580.96	191.19
26 31 00 00-0073 EA 16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	798.50	191.19
26 31 00 00-0074 SMA Photovoltaic Combiner Boxes <small>(26 31 00 00-0067)</small>		
26 31 00 00-0075 EA 6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6).....	693.55	127.46
26 31 00 00-0076 EA 12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	807.84	127.46
26 31 00 00-0077 EA 28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	1,572.01	254.91
26 31 00 00-0078 EA 52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	3,312.10	254.91
26 31 00 00-0079 EA 4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	631.70	127.46
26 31 00 00-0080 Photovoltaic Charge Controller <small>(26 31)</small>		
26 31 00 00-0081 EA 35 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-35).....	217.15	47.80
26 31 00 00-0082 EA 40 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-40).....	275.34	47.80
26 31 00 00-0083 EA 60 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-60).....	314.14	47.80
26 31 00 00-0084 EA Remote Digital Meter For Xantrex C-35, 40 And 60	250.77	47.80
26 31 00 00-0085 EA MPPT Charge Controller (Xantrex XW SCC).....	776.58	63.73
26 31 00 00-0086 Photovoltaic Batteries <small>(26 31)</small>		
26 31 00 00-0087 Concorde Photovoltaic Batteries <small>(26 31 00 00-0086)</small>		
26 31 00 00-0088 EA 34 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	177.80	19.12
26 31 00 00-0089 EA 45 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	225.43	25.49
26 31 00 00-0090 EA 49 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	242.31	25.49
26 31 00 00-0091 EA 56 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	285.81	38.24
26 31 00 00-0092 EA 69 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	320.70	38.24
26 31 00 00-0093 EA 89 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	379.97	44.60
26 31 00 00-0094 EA 104 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	435.55	50.98
26 31 00 00-0095 EA 108 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	431.10	50.98
26 31 00 00-0096 EA 210 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	760.74	60.54
26 31 00 00-0097 EA 255 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	874.11	63.73
26 31 00 00-0098 Deka Photovoltaic Batteries <small>(26 31 00 00-0086)</small>		
26 31 00 00-0099 EA 31 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	197.00	31.90
26 31 00 00-0100 EA 50 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	260.37	31.90
26 31 00 00-0101 EA 74 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G24)	370.29	31.90
26 31 00 00-0102 EA 86 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G27)	419.43	31.90
26 31 00 00-0103 EA 98 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G31)	420.72	31.90
26 31 00 00-0104 EA 183 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	787.99	31.90
26 31 00 00-0105 EA 225 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	906.97	31.90

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 31 Photovoltaic Collectors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0106			Battery Enclosures (26 31 00 00-0086)		
26 31 00 00-0107	EA		14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	218.91	31.87
26 31 00 00-0108	EA		22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	959.99	31.90
26 31 00 00-0109	EA		37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	904.38	31.90
26 31 00 00-0110	EA		37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	1,195.35	31.90
26 31 00 00-0111	EA		15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	548.75	31.90
26 31 00 00-0112	EA		31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	1,250.96	31.90
26 31 00 00-0113			Photovoltaic System Monitoring (26 31)		
26 31 00 00-0114	EA		Solar Inverter Monitor (Xantrex 864-0203).....	458.78	63.73
26 31 00 00-0115	EA		Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	858.08	31.87
26 31 00 00-0116	EA		Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	721.68	31.87
26 31 00 00-0117	EA		PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	156.61	31.87
26 31 00 00-0118	EA		Wind Sensor Accessory For Sunny SensorBox (SMA)	373.53	63.73
26 31 00 00-0119	EA		Sunny Boy Control with RS485 (SMA).....	844.50	31.87
26 31 00 00-0120	EA		RS 485 Module (SMA)	214.25	31.87
26 31 00 00-0121	EA		RS 232 Module (SMA)	218.91	31.87
26 31 00 00-0122	EA		Wireless Monitor with Bluetooth (SMA Sunny Beam)	414.17	
26 31 00 00-0123	EA		Bluetooth Piggy-Back Computer Card (SMA)	221.43	31.87
26 31 00 00-0124	EA		RS485-N Communication Computer Card (SMA).....	220.13	31.87
26 31 00 00-0125	EA		Bluetooth Repeater (SMA)	390.21	31.87
26 31 00 00-0126	EA		Sunny Boy PC Service Cable (SMA)	180.37	9.56
26 31 00 00-0127	EA		Integrated Revenue Grade Meter, Option (PVPowered).....	3,317.06	
26 31 00 00-0128	EA		Data Monitoring Module (PVPowered PVM1010)	389.45	31.87
26 31 00 00-0129	EA		Wireless IG Personal Display (Fronius 4,240,108)	419.85	
26 31 00 00-0130	EA		DatCom Power Supply (Fronius 43,0001,2311)	132.60	
26 31 00 00-0131	EA		Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	243.46	31.87
26 31 00 00-0132	EA		Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	210.35	31.87
26 31 00 00-0133	EA		Datalogger Pro Box (Fronius 4,240,102)	743.03	31.87
26 31 00 00-0134	EA		Datalogger Easy Box (Fronius 4,240,103)	493.25	31.87
26 31 00 00-0135	EA		Datalogger Interface Box (Fronius 4,240,105)	835.20	31.87
26 31 00 00-0136	EA		Datalogger Web (Fronius 4,240,122).....	1,414.80	31.87
26 31 00 00-0137	EA		Interface Box (Fronius 4,240,109).....	400.87	31.87
26 31 00 00-0138	EA		Interface Card (Fronius 4,240,009,Z).....	294.16	31.87
26 31 00 00-0139	EA		Interface Card Easy (Fronius 4,240,013,Z).....	203.63	31.87
26 31 00 00-0140	EA		Sensor Box (Fronius 4,240,104)	774.76	31.87
26 31 00 00-0141	EA		Ambient Temperature Sensor (Fronius 43,0001,1188).....	111.13	31.87
26 31 00 00-0142	EA		Irradiance Sensor (Fronius 43,0001,1188)	287.59	31.87
26 31 00 00-0143	EA		Module Temperature Sensor (Fronius 43,0001,1190)	317.07	31.87
26 31 00 00-0144	EA		Wind Speed Sensor (Fronius 42,0411,0027).....	209.49	63.73
26 31 00 00-0145			Photovoltaic System Accessories (26 31)		
26 31 00 00-0146	EA		Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	607.53	63.73
26 31 00 00-0147	EA		Line Communication Filter (Enphase LCF)	1,314.04	127.46
26 31 00 00-0148	EA		15 Meter RS 485 Communication Cable (SMA)	100.59	9.56
26 31 00 00-0149	EA		15 Meter RS 232 Communication Cable (SMA)	147.15	9.56
26 31 00 00-0150	EA		24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	25.45	3.15
26 31 00 00-0151	EA		36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	27.01	3.15
26 31 00 00-0152	EA		48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	27.89	3.15
26 31 00 00-0153	EA		72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	30.34	3.15
26 31 00 00-0154	EA		120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	34.00	3.15
26 31 00 00-0155	EA		240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	55.78	6.31
26 31 00 00-0156	EA		360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	67.16	6.31
26 31 00 00-0157	EA		420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	89.78	9.46
26 31 00 00-0158	EA		36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	30.95	3.15
26 31 00 00-0159	EA		120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	41.33	3.15
26 31 00 00-0160	EA		240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	63.11	6.31
26 31 00 00-0161	EA		360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	81.45	6.31
26 31 00 00-0162	EA		600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	135.39	12.62
26 31 00 00-0163	EA		1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	140.57	12.62
26 31 00 00-0164	EA		Lighting Kit, 9W Fluorescent, 12 V 4.5 Amp Hour Battery	2,508.52	344.13
			Note: Tamper proof enclosure.		
26 31 00 00-0165			Photovoltaic Mounting Systems (26 31)		
26 31 00 00-0166	LF		Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	10.39	3.18
26 31 00 00-0167	EA		Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229).....	35.93	15.93
26 31 00 00-0168	EA		Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216).....	41.68	15.93
26 31 00 00-0169	EA		8" x 3/8" Hanger Bolt (UNIRAC 310046).....	20.17	6.37
			Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0170	EA		Mounting Rail Grounding Clip (UNIRAC 980006)	11.17	4.78
			Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0171	EA		Mounting Rail Grounding Lugs (UNIRAC 980012).....	20.44	6.37
			Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0172	EA		Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002).....	5.86	2.13
			Note: Four for each row of modules you plan to mount.		
26 31 00 00-0173	EA		Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008)	6.05	2.13
			Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0174	EA		Photovoltaic Module Mount L-Feet (UNIRAC 310065)	15.97	6.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0175	EA		12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121).....	89.62	31.87
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.					
26 31 00 00-0176	EA		30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122).....	96.14	31.87
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.					
26 31 00 00-0177	EA		44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123).....	101.39	31.87
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.					
26 31 00 00-0178	EA		12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107).....	132.52	47.80
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.					
26 31 00 00-0179	EA		44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108).....	152.08	47.80
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.					
26 31 00 00-0180	EA		72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109).....	169.82	47.80
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.					
26 31 00 00-0181	EA		18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111).....	196.98	63.73
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.					
26 31 00 00-0182	EA		64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112).....	243.69	63.73
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.					
26 31 00 00-0183	EA		104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110).....	347.98	95.59
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.					
26 31 00 00-0184	EA		Ballasted Photovoltaic Module Frame (UNIRAC 310351).....	170.91	
Note: Excludes ballast.					
26 31 00 00-0185	EA		Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355).....	309.95	
Note: Excludes ballast.					
26 31 00 00-0186	EA		3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	76.60	31.87
26 31 00 00-0187	EA		4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	77.20	31.87
26 31 00 00-0188	EA		6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	77.75	31.87
26 31 00 00-0189	EA		7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	79.12	31.87
26 31 00 00-0190	EA		3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	72.96	31.87
26 31 00 00-0191	EA		4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	73.66	31.87
26 31 00 00-0192	EA		6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	75.68	31.87
26 31 00 00-0193	EA		7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	75.11	31.87
26 31 00 00-0194	EA		3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390).....	135.06	47.80
26 31 00 00-0195	EA		4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391).....	135.47	47.80
26 31 00 00-0196	EA		7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394).....	136.71	47.80
26 31 00 00-0197	EA		Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370).....	135.42	47.80
26 31 00 00-0198	EA		Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	24.13	6.37
26 31 00 00-0199	EA		Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161).....	17.83	6.37
26 31 00 00-0200	EA		1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100).....	31.58	9.56
26 31 00 00-0201	EA		3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100).....	32.52	9.56
26 31 00 00-0202	EA		Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100).....	8.60	2.13
Note: Mid or end clamp.					
26 31 00 00-0203	EA		Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024).....	36.23	6.37
26 31 00 00-0204	EA		Photovoltaic Module Wire Clip (UNIRAC 908002S-0100).....	2.53	

26 32 Packaged Generator Assemblies (26 30)

26 32 13 Engine Generators (26 32)

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

See CSI section 01 22 23 00-0632 for fuel reimbursement for commissioning.

26 32 13 13-0001 Diesel Generator Sets (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0611 for loadbank rental, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA		25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA).....	19,095.61	1,076.78
				For Weather Resistant Steel Diesel Generator Enclosure, Add	3,429.53
				For Quiesite Level 2 Steel Diesel Generator Enclosure, Add	10,760.47
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,732.19
				For Quiesite Level 2 Aluminum Diesel Generator Enclosure, Add	16,888.52
26 32 13 13-0003	EA		35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA).....	24,057.00	1,325.78
				For Weather Resistant Steel Diesel Generator Enclosure, Add	3,429.53
				For Quiesite Level 2 Steel Diesel Generator Enclosure, Add	10,760.47
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,732.19
				For Quiesite Level 2 Aluminum Diesel Generator Enclosure, Add	16,888.52
26 32 13 13-0004	EA		40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB).....	24,843.68	1,453.65
				For Weather Resistant Steel Diesel Generator Enclosure, Add	3,429.53
				For Quiesite Level 2 Steel Diesel Generator Enclosure, Add	10,760.47
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,732.19
				For Quiesite Level 2 Aluminum Diesel Generator Enclosure, Add	16,888.52
26 32 13 13-0005	EA		50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC).....	26,745.72	1,669.00
				For Weather Resistant Steel Diesel Generator Enclosure, Add	3,429.53
				For Quiesite Level 2 Steel Diesel Generator Enclosure, Add	10,760.47
				For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,732.19
				For Quiesite Level 2 Aluminum Diesel Generator Enclosure, Add	16,888.52

26 Electrical

26 30 Facility Electrical Power Generating And Storing Equipment

26 32 Packaged Generator Assemblies

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0006	EA		60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	28,677.99 3,429.53 10,760.47 8,732.19 16,888.52	1,918.01
26 32 13 13-0007	EA		80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	32,041.14 3,429.53 10,760.47 8,732.19 16,888.52	2,247.77
26 32 13 13-0008	EA		100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	37,358.47 5,201.88 16,451.83 11,203.55 17,958.65	2,611.18
26 32 13 13-0009	EA		125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	38,993.63 5,201.88 16,451.83 11,203.55 17,958.65	3,095.74
26 32 13 13-0010	EA		150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	42,966.26 5,201.88 16,451.83 11,203.55 17,958.65	3,412.03
26 32 13 13-0011	EA		175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	49,662.63 5,201.88 16,451.83 11,203.55 17,958.65	3,809.10
26 32 13 13-0012	EA		200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	53,149.88 5,201.88 16,451.83 11,203.55 17,958.65	4,172.51
26 32 13 13-0013	EA		230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	59,395.08 5,201.88 16,451.83 11,203.55 17,958.65	4,408.06
26 32 13 13-0014	EA		250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	62,044.71 33,735.45 49,806.58 40,916.03 60,882.17	4,589.76
26 32 13 13-0015	EA		275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	67,514.50 33,735.45 49,806.58 40,916.03 60,882.17	4,838.77
26 32 13 13-0016	EA		300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	68,955.59 33,735.45 49,806.58 40,916.03 60,882.17	5,054.12
26 32 13 13-0017	EA		350 KW Diesel Generator Set, 3 Phase (Cummins DFEG)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	78,293.67 33,735.45 49,806.58 40,916.03 60,882.17	5,653.08
26 32 13 13-0018	EA		400 KW Diesel Generator Set, 3 Phase (Cummins DFEG)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	84,711.44 33,735.45 49,806.58 40,916.03 60,882.17	6,191.47
26 32 13 13-0019	EA		450 KW Diesel Generator Set, 3 Phase (Cummins DFEG)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	95,917.51 33,735.45 49,806.58 40,916.03 60,882.17	6,669.29
26 32 13 13-0020	EA		500 KW Diesel Generator Set, 3 Phase (Cummins DFEG)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	101,284.08 33,735.45 49,806.58 40,916.03 60,882.17	7,106.73
26 32 13 13-0021	EA		600 KW Diesel Generator Set, 3 Phase (Cummins DQCA)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	146,157.84 68,915.33 110,653.55 81,057.86 128,909.72	7,826.82
26 32 13 13-0022	EA		750 KW Diesel Generator Set, 3 Phase (Cummins DQCB)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	167,092.35 68,915.33 110,653.55 81,057.86 128,909.72	8,607.49
26 32 13 13-0023	EA		800 KW Diesel Generator Set, 3 Phase (Cummins DQCC)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	174,345.97 68,915.33 110,653.55 81,057.86 128,909.72	8,795.92

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0024	EA		900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	211,795.59 68,915.33 110,653.55 81,057.86 128,909.72	9,482.36
26 32 13 13-0025	EA		1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	235,926.92 68,915.33 110,653.55 81,057.86 128,909.72	10,094.78
26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13 19)					
26 32 13 19-0001 Natural Gas Or Propane Generator Sets (26 32 13 19)					
Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0611 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.					
26 32 13 19-0002	EA		20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	15,264.22 3,119.22 10,760.47 3,378.34 5,604.99	901.80
26 32 13 19-0003	EA		25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	17,259.27 3,119.22 10,760.47 3,378.34 5,604.99	1,076.78
26 32 13 19-0004	EA		29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	20,124.18 3,119.22 10,760.47 3,378.34 5,604.99	1,197.91
26 32 13 19-0005	EA		35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	20,124.18 3,119.22 10,760.47 9,555.97 16,039.14	1,325.78
26 32 13 19-0006	EA		40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	20,764.90 3,119.22 10,760.47 9,555.97 16,039.14	1,453.65
26 32 13 19-0007	EA		45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	21,448.14 3,119.22 10,760.47 9,555.97 16,039.14	1,568.05
26 32 13 19-0008	EA		60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,406.05 3,119.22 10,760.47 9,555.97 16,039.14	1,918.01
26 32 13 19-0009	EA		70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	24,942.45 3,119.22 10,760.47 9,555.97 16,039.14	2,146.83
26 32 13 19-0010	EA		85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	29,719.84 5,684.96 16,451.83 11,203.55 16,039.14	2,294.88
26 32 13 19-0011	EA		100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	32,287.63 5,684.96 16,451.83 11,203.55 16,039.14	2,584.27
26 32 13 19-0012	EA		125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGIA)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	40,409.50 5,684.96 16,451.83 11,203.55 16,039.14	3,095.74
26 32 13 19-0013	EA		150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGIB)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	45,952.42 5,684.96 16,451.83 11,203.55 16,039.14	3,412.03
26 32 13 19-0014	EA		175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	108,802.71 30,337.91 44,777.45 33,170.79 49,776.18	9,075.75
26 32 13 19-0015	EA		205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	115,927.97 30,337.91 44,777.45 33,170.79 49,776.18	4,098.48

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 32 13 19-0016	EA 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	117,586.84 30,337.91 44,777.45 33,170.79 49,776.18	4,589.77
26 32 13 19-0017	EA 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	161,053.59 30,337.91 44,777.45 33,170.79 49,776.18	5,054.12
26 32 13 19-0018	EA 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	162,927.17 30,337.91 44,777.45 33,170.79 49,776.18	5,653.08
26 32 13 19-0019	EA 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	228,402.70 66,244.01 93,845.01 75,241.72 106,342.65	6,669.29
26 32 13 19-0020	EA 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	309,988.18 66,244.01 93,845.01 75,241.72 106,342.65	7,106.73
26 32 13 19-0021	EA 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	326,180.60 66,244.01 93,845.01 75,241.72 106,342.65	7,490.33
26 32 13 19-0022	EA 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	371,256.10 66,244.01 93,845.01 75,241.72 106,342.65	7,826.82
26 32 13 19-0023	EA 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	388,155.55 66,244.01 93,845.01 75,241.72 106,342.65	8,122.94
26 32 13 19-0024	EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	410,575.79 66,244.01 93,845.01 75,241.72 106,342.65	8,681.51
26 32 13 19-0025	Small Natural Gas Or Propane Air Cooled Generator Sets (26 32 13 19)		
26 32 13 19-0026	EA 7.5 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	3,889.87	584.27
26 32 13 19-0027	EA 10 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	4,849.47	649.19
26 32 13 19-0028	EA 14 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	5,458.83	657.95
26 32 13 26	AC To DC Electrical Conversion (26 32 13)		
26 32 13 26-0001	60 Hz AC Input 230 Or 460 Volts, 125 Volt DC Output (26 32 13 26)		
26 32 13 26-0002	EA 3 KW, 24 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	5,656.01	254.91
26 32 13 26-0003	EA 5 KW, 40 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,839.77	254.91
26 32 13 26-0004	EA 7.5 KW, 60 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,986.89	254.91
26 32 13 26-0005	EA 10 KW, 80 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,055.79	254.91
26 32 13 26-0006	EA 15 KW, 120 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,084.29	318.64
26 32 13 26-0007	EA 20 KW, 160 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,897.64	318.64
26 32 13 26-0008	EA 25 KW, 200 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,397.80	318.64
26 32 13 26-0009	EA 40 KW, 320 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,912.39	420.60
26 32 13 26-0010	EA 50 KW, 400 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,420.26	420.60
26 32 13 26-0011	60 Hz AC Input, 230 Or 460 Volts, 250 Volts DC Output (26 32 13 26)		
26 32 13 26-0012	EA 3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,512.99	254.91
26 32 13 26-0013	EA 5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,722.72	254.91
26 32 13 26-0014	EA 7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,800.43	254.91
26 32 13 26-0015	EA 10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,038.31	254.91
26 32 13 26-0016	EA 15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,264.26	318.64
26 32 13 26-0017	EA 20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,259.91	318.64
26 32 13 26-0018	EA 25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,622.18	318.64
26 32 13 26-0019	EA 40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,858.63	420.60
26 32 13 26-0020	EA 50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	14,678.99	420.60
26 32 29	Rotary Converters (26 32)		
26 32 29 00-0001	460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)		
26 32 29 00-0002	EA 33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	19,697.75	4,710.90
26 32 29 00-0003	EA 40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	22,181.76	4,710.90
26 32 29 00-0004	EA 50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	25,401.64	6,729.86

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

26 32 29 00-0005	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	29,234.16	6,729.86
26 32 29 00-0006	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	32,848.21	6,729.86
26 32 29 00-0007	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	39,084.86	10,094.78
26 32 29 00-0008	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	47,979.49	10,094.78

26 32 29 00-0009 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC (26 32 29)

26 32 29 00-0010	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	66,626.82	13,459.71
26 32 29 00-0011	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	72,744.28	13,459.71
26 32 29 00-0012	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	87,319.89	17,497.63
26 32 29 00-0013	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	99,522.35	21,266.35
26 32 29 00-0014	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	117,185.07	21,266.35
26 32 29 00-0015	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	165,305.19	31,764.92
26 32 29 00-0016	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	172,375.39	31,764.92
26 32 29 00-0017	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	197,546.84	37,014.20

26 33 Battery Equipment (26 30)

26 33 13 Batteries (26 33)

26 33 13 00-0001 Standby Batteries (26 33 13)

26 33 13 00-0002	EA	12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery.....	693.27	31.90
26 33 13 00-0003	EA	12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket.....	746.61	31.90
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	238.69	31.90
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	219.46	31.90
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	356.61	31.90
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	409.76	31.90

26 33 43 Battery Chargers (26 33)

26 33 43 00-0001 Solid State Chargers, Single Phase (26 33 43)

<small>Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.</small>				
26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,504.81	728.25
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,871.20	728.25
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,151.66	728.25
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,361.03	862.25

26 33 53 Static Uninterruptible Power Supply (26 33)

26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)

26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53 00-0001)

26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)

<small>Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.</small>				
26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120)	1,012.57	126.18
<small>Note: Includes 12 minutes of battery backup at full load.</small>				
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120)	1,206.90	147.21
<small>Note: Includes 6 minutes of battery backup at full load.</small>				
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120)	1,477.77	168.24
<small>Note: Includes 5 minutes of battery backup at full load.</small>				
26 33 53 00-0007	EA	1.5 kVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....	1,793.13	189.28
<small>Note: Includes 5 minutes of battery backup at full load.</small>				
26 33 53 00-0008	EA	2 kVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120)	2,276.69	210.31
<small>Note: Includes 4 minutes of battery backup at full load.</small>				
26 33 53 00-0009	EA	3 kVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120)	3,729.90	294.42
<small>Note: Includes 4 minutes of battery backup at full load.</small>				

26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)

<small>Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.</small>				
26 33 53 00-0011	EA	3 kVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208)	3,667.04	294.42
<small>Note: Includes 4 minutes of battery backup at full load.</small>				

26 33 53 00-0012 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)

<small>Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.</small>				
26 33 53 00-0013	EA	5 kVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208)	5,420.84	336.48
<small>Note: Includes 5 minutes of battery backup at full load.</small>				

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 33 Battery Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0014	EA		6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208).....	5,935.98	378.54
			Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0015	EA		8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208).....	8,799.03	462.66
			Note: Includes 7 minutes of battery backup at full load.		
26 33 53 00-0016	EA		10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208).....	10,094.40	504.72
			Note: Includes 4-1/2 minutes of battery backup at full load.		
26 33 53 00-0017			230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small>		
			Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA		0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230).....	1,206.90	147.21
			Note: Includes 11 minutes of battery backup at full load.		
26 33 53 00-0019	EA		1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230).....	1,477.77	168.24
			Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0020	EA		1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230).....	1,811.70	189.28
			Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0021	EA		2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230).....	2,281.17	210.31
			Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0022	EA		3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230).....	3,743.86	294.42
			Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0023	EA		5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230).....	5,210.90	336.48
			Note: Includes 9 minutes of battery backup at full load.		
26 33 53 00-0024	EA		6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230).....	6,372.46	378.54
			Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0025	EA		10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230).....	9,794.29	504.72
			Note: Includes 3 minutes of battery backup at full load.		
26 33 53 00-0026			Optional Accessories For Single Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0001)</small>		
26 33 53 00-0027	EA		External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT).....	628.10	38.24
			Note: Rack mount or tower configuration.		
26 33 53 00-0028	EA		External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT).....	816.94	38.24
			Note: Rack mount or tower configuration.		
26 33 53 00-0029	EA		External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT).....	795.92	38.24
			Note: Rack mount or tower configuration.		
26 33 53 00-0030	EA		External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT).....	546.75	38.24
			Note: Rack mount or tower configuration.		
26 33 53 00-0031	EA		Replacement Internal Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	874.44	126.18
26 33 53 00-0032	EA		Replacement Internal Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	1,001.89	168.24
26 33 53 00-0033			Three Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53)</small>		
26 33 53 00-0034			Optional Accessories For Three Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0033)</small>		
26 33 53 00-0035	EA		Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems.....	574.72	63.73
26 33 53 00-0036	EA		Network Interface Card For Three Phase Uninterruptible Power Supply Systems.....	906.05	63.73
26 33 53 00-0037	EA		Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems.....	1,804.06	127.46
26 33 53 00-0038	EA		Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems.....	5,725.09	509.82
26 33 53 00-0039	EA		12 Volt, 491 Watts, 3 Phase, 134 Amp Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	365.65	63.73
26 33 53 00-0040	EA		12 Volt, 204 Watts, 3 Phase, 55 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	206.25	63.73
26 33 53 00-0041	EA		12 Volt, 257 Watts, 3 Phase, 65 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	229.51	63.73
26 33 53 00-0042	EA		12 Volt, 311 Watts, 3 Phase, 75 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	252.77	63.73
26 33 53 00-0043	EA		12 Volt, 374 Watts, 3 Phase, 90 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	294.64	63.73
26 33 53 00-0044	EA		12 Volt, 415 Watts, 3 Phase, 100 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	308.59	63.73
26 33 53 00-0045	EA		12 Volt, 493 Watts, 3 Phase, 135 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	380.70	63.73
26 33 53 00-0046	EA		12 Volt, 540 Watts, 3 Phase, 150 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	398.15	63.73

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

26 33 53 00-0047 Other Uninterruptable Power Supply Equipment (26 33 53)		
26 33 53 00-0048	EA Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	3,545.01
26 33 53 00-0049	EA Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	4,349.08
26 33 53 00-0050	EA GE Plug-In Breakers 1 Pole 15- 60A For UPS Distribution Panel.....	24.26
26 33 53 00-0051	EA GE Plug-In Breakers 2 Pole 15- 40A For UPS Distribution Panel.....	40.32
26 33 53 00-0052	EA GE Plug-In Breakers 2 Pole 50- 80A For UPS Distribution Panel.....	68.87
26 33 53 00-0053	EA GE Plug-In Breakers 3 Pole 15- 60A For UPS Distribution Panel.....	99.83
26 33 53 00-0054	EA GE Plug-In Breakers 3 Pole 70- 100A For UPS Distribution Panel.....	137.52
26 33 53 00-0055	EA Uninterrupted Power Supply Remote Status Panel	2,460.06
26 33 53 00-0056	EA Uninterrupted Power Supply Remote Contact Board.....	860.00

26 35 Power Filters And Conditioners (26 30)

26 35 33 Power Factor Correction Equipment (26 35)

26 35 33 00-0001 Power Factor Correction Capacitors (26 35 33)

26 35 33 00-0002	EA Power Factor Correction Capacitors, 2.0 KVAC	568.98
26 35 33 00-0003	EA Power Factor Correction Capacitors, 3.0 KVAC	630.16
26 35 33 00-0004	EA Power Factor Correction Capacitors, 4.0 KVAC	691.34
26 35 33 00-0005	EA Power Factor Correction Capacitors, 5.0 KVAC	750.08
26 35 33 00-0006	EA Power Factor Correction Capacitors, 7.5 KVAC	921.38
26 35 33 00-0007	EA Power Factor Correction Capacitors, 10.0 KVAC	1,125.73
26 35 33 00-0008	EA Power Factor Correction Capacitors, 15.0 KVAC	1,738.76
26 35 33 00-0009	EA Power Factor Correction Capacitors, 20.0 KVAC	2,111.96
26 35 33 00-0010	EA Power Factor Correction Capacitors, 25.0 KVAC	2,728.67
26 35 33 00-0011	EA Power Factor Correction Capacitors, 30.0 KVAC	3,103.09
26 35 33 00-0012	EA Power Factor Correction Capacitors, 50.0 KVAC	5,445.10
26 35 33 00-0013	EA Power Factor Correction Capacitors, 75.0 KVAC	8,187.23
26 35 33 00-0014	EA Power Factor Correction Capacitors, 100.0 KVAC	10,917.12
26 35 33 00-0015	EA Power Factor Correction Capacitors, Fuse Kit.....	506.58

26 35 53 Voltage Regulators (26 35)

26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA 50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	5,910.09	2,026.55
26 35 53 00-0003	EA 75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	6,964.68	2,549.12
26 35 53 00-0004	EA 100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	7,935.77	3,033.45

26 36 Transfer Switches (26 30)

26 36 13 Manual Transfer Switches (26 36)

26 36 13 00-0001 Fused Manual Transfer Switches (26 36 13)

26 36 13 00-0002	EA 30 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,322.02	223.04
26 36 13 00-0003	EA 60 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,544.49	277.09

26 36 23 Automatic Transfer Switches (26 36)

26 36 23 00-0001 Automatic Transfer Switch (26 36 23)

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA 100 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	2,270.11	454.43
26 36 23 00-0004	EA 225 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,062.45	584.27
26 36 23 00-0005	EA 400 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	4,754.04	779.03
26 36 23 00-0006	EA 600 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	10,233.46	973.79

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)

26 36 23 00-0008	EA 40 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	3,422.36	324.59
	For NEMA 3R Enclosure, Add	679.83	
	For NEMA 4 Enclosure, Add	719.82	
	For NEMA 12 Enclosure, Add	719.82	
26 36 23 00-0009	EA 70 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	3,962.08	389.52
	For NEMA 3R Enclosure, Add	679.83	
	For NEMA 4 Enclosure, Add	719.82	
	For NEMA 12 Enclosure, Add	719.82	
26 36 23 00-0010	EA 125 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	4,374.96	454.43
	For NEMA 3R Enclosure, Add	679.83	
	For NEMA 4 Enclosure, Add	719.82	
	For NEMA 12 Enclosure, Add	719.82	
26 36 23 00-0011	EA 150 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	5,188.93	519.36
	For NEMA 3R Enclosure, Add	799.80	
	For NEMA 4 Enclosure, Add	1,039.74	
	For NEMA 12 Enclosure, Add	719.82	
26 36 23 00-0012	EA 225 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	5,918.56	584.27
	For NEMA 3R Enclosure, Add	799.80	
	For NEMA 4 Enclosure, Add	1,039.74	
	For NEMA 12 Enclosure, Add	719.82	

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 36 Transfer Switches**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 36 23 00-0013	EA	260 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	6,534.55	649.19
		<i>For NEMA 3R Enclosure, Add</i>	799.80	
		<i>For NEMA 4 Enclosure, Add</i>	1,039.74	
		<i>For NEMA 12 Enclosure, Add</i>	719.82	
26 36 23 00-0014	EA	300 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300).....	6,854.30	714.11
		<i>For NEMA 3R Enclosure, Add</i>	943.76	
		<i>For NEMA 4 Enclosure, Add</i>	1,119.72	
		<i>For NEMA 12 Enclosure, Add</i>	799.80	
26 36 23 00-0015	EA	400 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400).....	7,730.59	779.03
		<i>For NEMA 3R Enclosure, Add</i>	943.76	
		<i>For NEMA 4 Enclosure, Add</i>	1,119.72	
		<i>For NEMA 12 Enclosure, Add</i>	799.80	
26 36 23 00-0016	EA	600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600).....	10,525.18	973.79
		<i>For NEMA 3R Enclosure, Add</i>	943.76	
		<i>For NEMA 4 Enclosure, Add</i>	1,119.72	
		<i>For NEMA 12 Enclosure, Add</i>	799.80	
26 36 23 00-0017	EA	800 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800).....	11,859.86	1,168.54
		<i>For NEMA 3R Enclosure, Add</i>	1,159.71	
		<i>For NEMA 4 Enclosure, Add</i>	1,279.69	
		<i>For NEMA 12 Enclosure, Add</i>	1,119.72	
26 36 23 00-0018	EA	1,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000).....	15,377.59	1,558.06
		<i>For NEMA 3R Enclosure, Add</i>	1,159.71	
		<i>For NEMA 4 Enclosure, Add</i>	1,279.69	
		<i>For NEMA 12 Enclosure, Add</i>	1,119.72	
26 36 23 00-0019	EA	1,200 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200).....	19,737.54	1,687.90
		<i>For NEMA 3R Enclosure, Add</i>	2,559.36	
		<i>For NEMA 4 Enclosure, Add</i>	1,439.64	
		<i>For NEMA 12 Enclosure, Add</i>	1,199.70	
26 36 23 00-0020	EA	1,600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600).....	21,140.48	1,947.57
		<i>For NEMA 3R Enclosure, Add</i>	4,158.95	
		<i>For NEMA 4 Enclosure, Add</i>	5,118.71	
		<i>For NEMA 12 Enclosure, Add</i>	4,158.95	
26 36 23 00-0021	EA	2,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000).....	24,158.62	2,207.25
		<i>For NEMA 3R Enclosure, Add</i>	4,158.95	
		<i>For NEMA 4 Enclosure, Add</i>	5,118.71	
		<i>For NEMA 12 Enclosure, Add</i>	4,158.95	
26 36 23 00-0022	EA	3,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000).....	29,217.55	2,726.61
		<i>For NEMA 3R Enclosure, Add</i>	4,158.95	
26 36 23 00-0023	EA	4,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000).....	49,733.65	3,245.96
		<i>For NEMA 3R Enclosure, Add</i>	19,547.05	

26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)

26 36 23 00-0025	EA	150 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150).....	17,645.42	2,466.93
		<i>For NEMA 3R Enclosure, Add</i>	1,399.65	
		<i>For NEMA 4 Enclosure, Add</i>	1,439.64	
		<i>For NEMA 12 Enclosure, Add</i>	759.82	
26 36 23 00-0026	EA	225 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225).....	18,434.65	2,596.77
		<i>For NEMA 3R Enclosure, Add</i>	1,399.65	
		<i>For NEMA 4 Enclosure, Add</i>	1,439.64	
		<i>For NEMA 12 Enclosure, Add</i>	759.82	
26 36 23 00-0027	EA	260 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260).....	19,327.90	2,726.61
		<i>For NEMA 3R Enclosure, Add</i>	1,399.65	
		<i>For NEMA 4 Enclosure, Add</i>	1,439.64	
		<i>For NEMA 12 Enclosure, Add</i>	759.82	
26 36 23 00-0028	EA	300 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	21,399.96	2,791.52
		<i>For NEMA 3R Enclosure, Add</i>	1,399.65	
		<i>For NEMA 4 Enclosure, Add</i>	1,439.64	
		<i>For NEMA 12 Enclosure, Add</i>	759.82	
26 36 23 00-0029	EA	400 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	24,448.97	2,856.45
		<i>For NEMA 3R Enclosure, Add</i>	1,399.65	
		<i>For NEMA 4 Enclosure, Add</i>	1,439.64	
		<i>For NEMA 12 Enclosure, Add</i>	759.82	
26 36 23 00-0030	EA	600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	29,052.98	2,986.28
		<i>For NEMA 3R Enclosure, Add</i>	1,399.65	
		<i>For NEMA 4 Enclosure, Add</i>	1,439.64	
		<i>For NEMA 12 Enclosure, Add</i>	799.80	
26 36 23 00-0031	EA	800 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	31,908.01	3,116.12
		<i>For NEMA 3R Enclosure, Add</i>	1,439.64	
		<i>For NEMA 4 Enclosure, Add</i>	1,439.64	
		<i>For NEMA 12 Enclosure, Add</i>	879.78	
26 36 23 00-0032	EA	1,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	39,901.27	3,635.47
		<i>For NEMA 3R Enclosure, Add</i>	1,439.64	
		<i>For NEMA 4 Enclosure, Add</i>	1,439.64	
		<i>For NEMA 12 Enclosure, Add</i>	879.78	
26 36 23 00-0033	EA	1,200 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	51,473.56	3,895.15
		<i>For NEMA 3R Enclosure, Add</i>	6,398.38	
		<i>For NEMA 4 Enclosure, Add</i>	7,997.98	
		<i>For NEMA 12 Enclosure, Add</i>	6,398.38	
26 36 23 00-0034	EA	1,600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	66,579.46	4,154.82
		<i>For NEMA 3R Enclosure, Add</i>	13,596.56	
		<i>For NEMA 4 Enclosure, Add</i>	13,596.56	
		<i>For NEMA 12 Enclosure, Add</i>	12,668.80	
26 36 23 00-0035	EA	2,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	75,490.98	4,544.34
		<i>For NEMA 3R Enclosure, Add</i>	13,596.56	
		<i>For NEMA 4 Enclosure, Add</i>	13,596.56	
		<i>For NEMA 12 Enclosure, Add</i>	12,668.80	
26 36 23 00-0036	EA	3,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	119,448.94	5,193.53
		<i>For NEMA 3R Enclosure, Add</i>	16,795.74	

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

26 36 23 00-0037	EA	4,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000)..... <i>For NEMA 3R Enclosure, Add</i>	129,079.35 16,795.74	5,842.73
------------------	----	---	-------------------------	----------

26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)

26 36 23 00-0039	EA	40 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	5,440.27 399.90 719.82	324.59
26 36 23 00-0040	EA	70 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	5,910.35 399.90 719.82	389.52
26 36 23 00-0041	EA	125 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	6,379.68 399.90 719.82	454.43
26 36 23 00-0042	EA	150 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150)..... <i>For Four Pole Circuit Breaker, Add</i> <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	7,643.13 1,999.49 399.90 719.82	519.36
26 36 23 00-0043	EA	225 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225)..... <i>For Four Pole Circuit Breaker, Add</i> <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	9,887.66 1,999.49 399.90 719.82	584.27
26 36 23 00-0044	EA	250 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250)..... <i>For Four Pole Circuit Breaker, Add</i> <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	10,546.18 1,999.49 399.90 719.82	649.19
26 36 23 00-0045	EA	300 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300)..... <i>For Four Pole Circuit Breaker, Add</i> <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	10,994.99 2,719.31 1,039.74 799.80	714.11
26 36 23 00-0046	EA	400 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400)..... <i>For Four Pole Circuit Breaker, Add</i> <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	12,421.95 2,719.31 1,039.74 799.80	779.03
26 36 23 00-0047	EA	600 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600)..... <i>For Four Pole Circuit Breaker, Add</i> <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	15,092.62 2,719.31 1,039.74 799.80	973.79
26 36 23 00-0048	EA	800 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800)..... <i>For Four Pole Circuit Breaker, Add</i> <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	15,831.16 3,879.02 1,791.55 1,119.72	1,168.54
26 36 23 00-0049	EA	1,000 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000)..... <i>For Four Pole Circuit Breaker, Add</i> <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	18,809.22 3,879.02 1,791.55 1,119.72	1,558.06

26 36 23 00-0050 Accessories (26 36 23)

26 36 23 00-0051	EA	Auxiliary Contacts For Automatic Transfer Switch	185.56	
26 36 23 00-0052	EA	Battery Charger For Automatic Transfer Switch	1,519.62	
26 36 23 00-0053	EA	Elevator Relay Signal For Automatic Transfer Switch	551.86	

26 36 33 Non-Automatic Transfer Switches (26 36)

26 36 33 00-0001 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 33)

26 36 33 00-0002	EA	40 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	2,376.74 679.83 639.84	324.59
26 36 33 00-0003	EA	70 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	2,656.17 679.83 639.84	389.52
26 36 33 00-0004	EA	125 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	3,024.31 679.83 639.84	454.43
26 36 33 00-0005	EA	150 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	2,892.15 799.80 639.84	519.36
26 36 33 00-0006	EA	225 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	4,560.57 799.80 639.84	584.27
26 36 33 00-0007	EA	260 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	5,121.57 799.80 639.84	649.19

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 36 Transfer Switches**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 36 33 00-0008	EA	300 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	5,690.63	714.11
		For NEMA 3R Enclosure, Add	943.76	
		For NEMA 12 Enclosure, Add	799.80	
26 36 33 00-0009	EA	400 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	6,635.85	779.03
		For NEMA 3R Enclosure, Add	943.76	
		For NEMA 12 Enclosure, Add	799.80	
26 36 33 00-0010	EA	600 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	8,733.11	973.79
		For NEMA 3R Enclosure, Add	943.76	
		For NEMA 12 Enclosure, Add	799.80	
26 36 33 00-0011	EA	800 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	9,880.81	1,168.54
		For NEMA 3R Enclosure, Add	1,159.71	
		For NEMA 12 Enclosure, Add	1,119.72	
26 36 33 00-0012	EA	1,000 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	13,064.18	1,558.06
		For NEMA 3R Enclosure, Add	1,159.71	
		For NEMA 12 Enclosure, Add	1,119.72	

26 40 Electrical And Cathodic Protection⁽²⁶⁾**26 41 Facility Lightning Protection**^(26 40)**26 41 13 Lightning Protection For Structures**^(26 41)

26 41 13 00-0001		Lightning Protection ^(26 41 13)		
26 41 13 00-0002		Air Terminals For Lightning Protection ^(26 41 13 00-0001)		
26 41 13 00-0003		Copper Lightning Protection Air Terminals ^(26 41 13 00-0002)		
26 41 13 00-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal.....	66.42	12.75
26 41 13 00-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal.....	82.80	12.75
26 41 13 00-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal.....	107.00	12.75
26 41 13 00-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal.....	119.08	12.75
26 41 13 00-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal.....	229.46	25.49

26 41 13 00-0009 Aluminum Lightning Protection Air Terminals^(26 41 13 00-0002)

26 41 13 00-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal.....	52.30	12.75
26 41 13 00-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal.....	67.21	12.75
26 41 13 00-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal.....	83.34	12.75
26 41 13 00-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal.....	92.96	12.75
26 41 13 00-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal.....	175.67	25.49

26 41 13 00-0015 Terminal Bases For Lightning Protection^(26 41 13 00-0001)**26 41 13 00-0016 Copper Lightning Protection Terminal Bases**^(26 41 13 00-0015)

26 41 13 00-0017	EA	Adhesive Base For Copper Lightning Protection Terminal.....	95.74	38.24
26 41 13 00-0018	EA	Bolted Base For Copper Lightning Protection Terminal.....	129.19	50.98
26 41 13 00-0019	EA	Hinged Base For Copper Lightning Protection Terminal.....	172.81	63.73
26 41 13 00-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal.....	129.19	50.98
26 41 13 00-0021	EA	Offset Point Support For Copper Lightning Protection Terminal.....	136.80	50.98
26 41 13 00-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal.....	244.37	101.97
26 41 13 00-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal.....	170.81	63.73
26 41 13 00-0024	EA	Intermediate Base For Copper Lightning Protection Terminal.....	95.74	38.24

26 41 13 00-0025 Aluminum Lightning Protection Terminal Bases^(26 41 13 00-0015)

26 41 13 00-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal.....	85.45	38.24
26 41 13 00-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal.....	123.45	50.98
26 41 13 00-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal.....	161.83	63.73
26 41 13 00-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal.....	123.70	50.98
26 41 13 00-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal.....	127.28	50.98
26 41 13 00-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal.....	233.92	101.97
26 41 13 00-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal.....	162.48	63.73
26 41 13 00-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal.....	85.45	38.24

26 41 13 00-0034 Connectors^(26 41 13 00-0001)**26 41 13 00-0035 Copper Cable Connectors**^(26 41 13 00-0034)

26 41 13 00-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System.....	192.95	63.73
26 41 13 00-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System.....	264.93	101.97
26 41 13 00-0038	EA	Beam Connector For Copper Lightning Protection System.....	174.19	63.73
26 41 13 00-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System.....	41.05	12.75
26 41 13 00-0040	EA	Cable To Bar Connector For Copper Lightning Protection System.....	41.82	12.75
26 41 13 00-0041	EA	Tee Connector For Copper Lightning Protection Terminal.....	127.63	38.24

26 41 13 00-0042 Aluminum Cable Connectors^(26 41 13 00-0034)

26 41 13 00-0043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System.....	172.81	63.73
26 41 13 00-0044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System.....	248.61	101.97
26 41 13 00-0045	EA	Beam Connector For Aluminum Lightning Protection System.....	165.15	63.73
26 41 13 00-0046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System.....	37.06	12.75
26 41 13 00-0047	EA	Tee Connector For Aluminum Lightning Protection Terminal.....	110.07	38.24

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

26 41 13 00-0048			Bonding Plates (26 41 13 00-0001)		
26 41 13 00-0049			Copper Bonding Plates (26 41 13 00-0048)		
26 41 13 00-0050	EA		8" Square I Beam Bonding Plate For Copper Lightning Protection System.....	156.06	63.73
26 41 13 00-0051	EA		8" Square Purlin Bonding Plate For Copper Lightning Protection System.....	160.71	63.73
26 41 13 00-0052	EA		16" Square Bonding Plate For Copper Lightning Protection System.....	236.93	101.97
26 41 13 00-0053			Aluminum Bonding Plates (26 41 13 00-0048)		
26 41 13 00-0054	EA		8" Square I Beam Bonding Plate For Aluminum Lightning Protection System.....	148.54	63.73
26 41 13 00-0055	EA		8" Square Purlin Bonding Plate For Aluminum Lightning Protection System.....	152.63	63.73
26 41 13 00-0056	EA		16" Square Bonding Plate For Aluminum Lightning Protection System.....	223.45	101.97
26 41 13 00-0057			Cable Supports (26 41 13 00-0001)		
26 41 13 00-0058			Copper Cable Supports (26 41 13 00-0057)		
26 41 13 00-0059	EA		Cable Supports For Copper Lightning Protection System.....	27.85	12.75
26 41 13 00-0060	EA		Adhesive Cable Supports For Copper Lightning Protection System.....	29.32	12.75
26 41 13 00-0061			Aluminum Cable Supports (26 41 13 00-0057)		
26 41 13 00-0062	EA		Cable Supports For Aluminum Lightning Protection System.....	27.61	12.75
26 41 13 00-0063	EA		Adhesive Cable Supports For Aluminum Lightning Protection System.....	28.37	12.75
26 41 13 00-0064			Bonding Straps (26 41 13 00-0001)		
26 41 13 00-0065			Copper Bonding Straps (26 41 13 00-0064)		
26 41 13 00-0066	EA		3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System.....	81.76	38.24
26 41 13 00-0067			Aluminum Bonding Straps (26 41 13 00-0064)		
26 41 13 00-0068	EA		3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System.....	76.77	38.24
26 41 13 00-0069			Accessories For Lightning Protection (26 41 13 00-0001) See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
26 41 13 00-0070			Copper Adapters (26 41 13 00-0069)		
26 41 13 00-0071	EA		Swivel Adapters For Copper Lightning Protection System.....	30.14	6.37
26 41 13 00-0072			Aluminum Adapters (26 41 13 00-0069)		
26 41 13 00-0073	EA		Swivel Adapters For Aluminum Lightning Protection System.....	27.49	6.37
26 41 13 00-0074	EA		Floor Ground Receptacle For Aluminum Lightning Protection System.....	194.89	63.73

26 43 Surge Protective Devices (26 40)

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits (26 43)

26 43 13 00-0001			25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPL		
26 43 13 00-0002	EA		120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	232.26	31.87
26 43 13 00-0003	EA		208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	249.35	31.87
26 43 13 00-0004	EA		240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	262.09	38.24
26 43 13 00-0005	EA		277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	214.62	25.49
26 43 13 00-0006	EA		480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	262.09	38.24
26 43 13 00-0007			50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPL		
26 43 13 00-0008	EA		120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	316.52	31.87
26 43 13 00-0009	EA		208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	339.03	38.24
26 43 13 00-0010	EA		208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	326.29	31.87
26 43 13 00-0011	EA		480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	339.03	38.24
26 43 13 00-0012			100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPL		
26 43 13 00-0013	EA		120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	380.02	31.87
26 43 13 00-0014	EA		208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	402.53	38.24
26 43 13 00-0015	EA		277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	352.62	25.49
26 43 13 00-0016	EA		480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	402.53	38.24
26 43 13 00-0017			100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPM		
26 43 13 00-0018	EA		120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	445.97	31.87
26 43 13 00-0019	EA		208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	503.89	38.24
26 43 13 00-0020	EA		277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	419.78	25.49

26 Electrical**26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0021			160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPM		
26 43 13 00-0022	EA		208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	778.66	38.24
26 43 13 00-0023	EA		208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	765.92	31.87
26 43 13 00-0024	EA		480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	778.66	38.24
26 43 13 00-0025			250 kA, 500 Joule Transient Voltage Surge Suppression (26 43 13) Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026	EA		LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	4,436.24	63.73
26 43 13 00-0027	EA		Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	5,413.20	63.73
26 43 13 00-0028			Class 1310 Transient Voltage Surge Suppression (26 43 13) Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029			NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028) Note: Square D. EMA series.		
26 43 13 00-0030	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,633.10	165.69
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0031	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,010.88	191.19
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0032	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,834.96	223.04
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0033	EA		320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,743.93	254.91
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0034	EA		480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,447.13	350.50
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0035	EA		120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,787.79	165.69
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0036	EA		160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,180.81	191.19
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0037	EA		240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,097.50	223.04
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0038	EA		320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,084.89	254.91
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0039	EA		480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,973.27	350.50
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0040	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,787.79	165.69
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0041	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,180.81	191.19
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0042	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,097.44	223.04
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0043	EA		320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,084.89	254.91
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0044	EA		480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,973.27	350.50
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0045	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,942.49	165.69
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0046	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,352.93	191.19
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0047	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,362.19	223.04
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0048	EA		320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,428.10	254.91
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0049	EA		480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,501.55	350.50
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0050	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,122.23	165.69
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0051	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,531.62	191.19
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0052	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,638.88	223.04
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 43	13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,787.57 438.87 335.40	254.91
	26 43	13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	12,307.07 438.87 335.40	350.50
26 43	13 00-0055			NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small> <small>Note: Square D EBA series.</small>		
	26 43	13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,848.82 438.87 335.40	165.69
	26 43	13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,437.95 438.87 335.40	191.19
	26 43	13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,013.63 438.87 335.40	223.04
	26 43	13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,937.06 438.87 335.40	165.69
	26 43	13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,568.66 438.87 335.40	191.19
	26 43	13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,184.65 438.87 335.40	223.04
	26 43	13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,937.06 438.87 335.40	165.69
	26 43	13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,568.66 438.87 335.40	191.19
	26 43	13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,184.65 438.87 335.40	223.04
	26 43	13 00-0065	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,049.26 438.87 335.40	165.69
	26 43	13 00-0066	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,709.19 438.87 335.40	191.19
	26 43	13 00-0067	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,403.60 438.87 335.40	223.04
	26 43	13 00-0068	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,166.91 438.87 335.40	165.69
	26 43	13 00-0069	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,858.42 438.87 335.40	191.19
	26 43	13 00-0070	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,633.44 438.87 335.40	223.04
26 43	13 00-0071			NEMA 4X Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small> <small>Note: Square D EMA series. Stainless steel.</small>		
	26 43	13 00-0072	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,662.50 438.87 335.40	165.69
	26 43	13 00-0073	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,040.28 438.87 335.40	191.19
	26 43	13 00-0074	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,864.36 438.87 335.40	223.04
	26 43	13 00-0075	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,817.19 438.87 335.40	165.69
	26 43	13 00-0076	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,210.21 438.87 335.40	191.19
	26 43	13 00-0077	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,126.90 438.87 335.40	223.04
	26 43	13 00-0078	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,817.19 438.87 335.40	165.69
	26 43	13 00-0079	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,210.21 438.87 335.40	191.19
	26 43	13 00-0080	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,126.84 438.87 335.40	223.04
	26 43	13 00-0081	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,971.89 438.87 335.40	165.69

26 Electrical**26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 43 13 00-0082	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,382.32	191.19
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0083	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,391.59	223.04
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0084	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,151.63	165.69
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,561.01	191.19
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,668.28	223.04
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	

26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028)

Note: Square D EBA series. Stainless steel.

26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,878.22	165.69
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,467.34	191.19
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,043.03	223.04
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,966.45	165.69
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,598.06	191.19
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,214.05	223.04
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,966.45	165.69
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,598.06	191.19
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,214.05	223.04
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,078.66	165.69
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,738.58	191.19
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,433.00	223.04
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,196.31	165.69
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,887.82	191.19
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0102	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,662.84	223.04
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	

26 50 Lighting (26)

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting (26 50)**26 51 13 Interior Lighting Fixtures, Lamps, And Ballasts (26 51)****26 51 13 00-0001 Fluorescent Fixtures (26 51 13)****26 51 13 00-0002 Surface Mounted, Wraparound Fluorescent Fixtures (26 51 13 00-0001)****26 51 13 00-0003 Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixtures (Lightron) (26 51 13 00-0002)**

Note: Includes 20 gauge steel housing with powder coated finish, prismatic acrylic lens and solid-state electronic ballast.

26 51 13 00-0004	EA	4-3/8" x 2', 1 17W T8 Lamp, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	180.54	58.63
26 51 13 00-0005	EA	4-3/8" x 2', 2 17W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	187.12	58.63
26 51 13 00-0006	EA	4-3/8" x 4', 1 32W T8 Lamp, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	188.19	58.63
26 51 13 00-0007	EA	4-3/8" x 4', 2 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	196.79	58.63
26 51 13 00-0008	EA	4-3/8" x 8', 2 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	290.29	58.63
26 51 13 00-0009	EA	4-3/8" x 8', 4 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	303.72	58.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0010			Surface Mounted, Wraparound Fluorescent Fixtures (26 51 13 00-0002) Note: Includes 20 gauge steel housing with powder coated finish, prismatic acrylic lens and solid-state electronic ballast.		
26 51 13 00-0011			6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 13 00-0010)		
26 51 13 00-0012	EA		1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	114.31	36.47
26 51 13 00-0013	EA		2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	125.21	36.47
26 51 13 00-0014			6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 13 00-0010)		
26 51 13 00-0015	EA		1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	125.42	37.98
26 51 13 00-0016	EA		2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	136.38	37.98
26 51 13 00-0017			1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 13 00-0010)		
26 51 13 00-0018	EA		2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	147.23	42.65
26 51 13 00-0019	EA		3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	167.79	42.65
26 51 13 00-0020			2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 13 00-0010)		
26 51 13 00-0021	EA		2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	131.77	46.61
26 51 13 00-0022	EA		3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	146.66	46.61
26 51 13 00-0023			2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 13 00-0010)		
26 51 13 00-0024	EA		2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	188.25	54.30
26 51 13 00-0025	EA		3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	198.93	54.30
26 51 13 00-0026	EA		4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	219.46	54.30
26 51 13 00-0027			Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0001) Note: Includes prismatic lens.		
26 51 13 00-0028			1' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0027)		
26 51 13 00-0029	EA		2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	146.59	42.30
26 51 13 00-0030	EA		3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	215.68	42.30
26 51 13 00-0031	EA		4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	240.80	42.30
26 51 13 00-0032			2' x 2', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0027)		
26 51 13 00-0033	EA		2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	214.11	46.61
26 51 13 00-0034	EA		3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	230.79	46.61
26 51 13 00-0035	EA		4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	243.03	46.61
26 51 13 00-0036			2' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0027)		
26 51 13 00-0037	EA		2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	221.39	54.30
26 51 13 00-0038	EA		3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	238.23	54.30
26 51 13 00-0039	EA		4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	247.41	54.30
26 51 13 00-0040	EA		6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	261.28	54.30
26 51 13 00-0041			4' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0027)		
26 51 13 00-0042	EA		4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	406.92	69.92
26 51 13 00-0043	EA		6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	412.25	69.92
26 51 13 00-0044	EA		8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	529.14	69.92
26 51 13 00-0045			Recessed Fluorescent Fixtures (26 51 13 00-0001)		
26 51 13 00-0046			Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0046)		
26 51 13 00-0047			1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0046)		
26 51 13 00-0048	EA		2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	145.01	36.47
			<i>For Drywall Or Plaster Ceilings, Add</i>	24.64	
26 51 13 00-0049			1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0046)		
26 51 13 00-0050	EA		2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	181.86	42.30
			<i>For Drywall Or Plaster Ceilings, Add</i>	28.84	
26 51 13 00-0051	EA		2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	303.21	42.30
			<i>For Drywall Or Plaster Ceilings, Add</i>	28.84	
26 51 13 00-0052			2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0046)		
26 51 13 00-0053	EA		2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	189.13	46.61
			<i>For Drywall Or Plaster Ceilings, Add</i>	31.46	
26 51 13 00-0054	EA		3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	210.67	46.61
			<i>For Drywall Or Plaster Ceilings, Add</i>	31.46	
26 51 13 00-0055	EA		4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	213.85	46.61
			<i>For Drywall Or Plaster Ceilings, Add</i>	31.47	
26 51 13 00-0056	EA		2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	228.47	46.61
			<i>For Drywall Or Plaster Ceilings, Add</i>	31.46	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 13 00-0057	2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0046)		
26 51 13 00-0058	EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	190.49 36.71	54.30
26 51 13 00-0059	EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	244.26 36.71	54.30
26 51 13 00-0060	EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	246.92 36.71	54.30
26 51 13 00-0061	EA 6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	269.94 36.71	54.30
26 51 13 00-0062	EA 2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	243.89 36.71	54.30
26 51 13 00-0063	EA 3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	314.93 36.71	54.30
26 51 13 00-0064	EA 4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	323.70 36.71	54.30
26 51 13 00-0065	Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0045)		
26 51 13 00-0066	1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0065)		
26 51 13 00-0067	EA 1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	161.51 24.64	36.47
26 51 13 00-0068	EA 2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	164.66 24.64	36.47
26 51 13 00-0069	EA 3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	187.47 24.64	36.47
26 51 13 00-0070	1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0065)		
26 51 13 00-0071	EA 1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	183.68 28.84	42.30
26 51 13 00-0072	EA 2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	186.35 28.84	42.30
26 51 13 00-0073	EA 3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	205.16 28.84	42.30
26 51 13 00-0074	2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0065)		
26 51 13 00-0075	EA 2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	193.42 31.47	46.61
26 51 13 00-0076	EA 3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	196.57 31.47	46.61
26 51 13 00-0077	EA 4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	219.05 31.47	46.61
26 51 13 00-0078	2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0065)		
26 51 13 00-0079	EA 2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	190.49 36.71	54.30
26 51 13 00-0080	EA 3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	213.87 36.71	54.30
26 51 13 00-0081	EA 4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	236.11 36.71	54.30
26 51 13 00-0082	EA 6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	261.10 36.71	54.30
26 51 13 00-0083	Direct-Indirect, Recessed Fluorescent Fixtures (26 51 13 00-0045)		
26 51 13 00-0084	1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 13 00-0083)		
26 51 13 00-0085	EA 1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	306.93 28.84	42.30
26 51 13 00-0086	EA 2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	309.59 28.84	42.30
26 51 13 00-0087	EA 1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	359.51 28.84	42.30
26 51 13 00-0088	EA 2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	368.28 28.84	42.30
26 51 13 00-0089	2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 13 00-0083)		
26 51 13 00-0090	EA 2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	258.42 31.46	46.61
26 51 13 00-0091	EA 3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	283.91 31.46	46.61
26 51 13 00-0092	EA 2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	341.24 31.46	46.61
26 51 13 00-0093	2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 13 00-0083)		
26 51 13 00-0094	EA 2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	289.74 36.71	54.30
26 51 13 00-0095	EA 3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	345.46 36.71	54.30

Electrical	26
Lighting	26 50
Interior Lighting	26 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0096	EA	1	T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	365.89 36.71	54.30
26 51 13 00-0097	EA	2	T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	400.06 36.71	54.30
26 51 13 00-0098			Volumetric, Recessed Fluorescent Fixtures (26 51 13 00-0045)		
26 51 13 00-0099			1' x 4', Volumetric, Recessed Fluorescent Fixtures (26 51 13 00-0098)		
26 51 13 00-0100	EA	2	T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	248.58 28.84	42.30
26 51 13 00-0101	EA	2	T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	315.34 28.84	42.30
26 51 13 00-0102			2' x 2', Volumetric, Recessed Fluorescent Fixtures (26 51 13 00-0098)		
26 51 13 00-0103	EA	2	T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	251.73 31.46	46.61
26 51 13 00-0104	EA	2	T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	281.59 31.46	46.61
26 51 13 00-0105			2' x 4', Volumetric, Recessed Fluorescent Fixtures (26 51 13 00-0098)		
26 51 13 00-0106	EA	2	T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	281.84 36.71	54.30
26 51 13 00-0107	EA	2	T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	282.34 36.71	54.30
26 51 13 00-0108			Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0045)		
26 51 13 00-0109			1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0108)		
26 51 13 00-0110	EA	2	T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	235.43 28.84	42.30
26 51 13 00-0111			2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0108)		
26 51 13 00-0112	EA	2	T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	232.82 31.46	46.61
26 51 13 00-0113			2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0108)		
26 51 13 00-0114	EA	2	T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	277.11 36.71	54.30
26 51 13 00-0115	EA	3	T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	370.98 36.71	54.30
26 51 13 00-0116	EA	4	T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	310.86 36.71	54.30
26 51 13 00-0117			Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0045)		
26 51 13 00-0118			1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0117)		
26 51 13 00-0119	EA	2	T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	226.36 28.84	42.30
26 51 13 00-0120			2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0117)		
26 51 13 00-0121	EA	2	T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	232.60 31.46	46.61
26 51 13 00-0122			2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0117)		
26 51 13 00-0123	EA	2	T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	282.20 36.71	54.30
26 51 13 00-0124	EA	3	T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	286.63 36.71	54.30
26 51 13 00-0125	EA	4	T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	293.06 36.71	54.30
26 51 13 00-0126			Striplight Fluorescent Fixtures (26 51 13 00-0001)		
26 51 13 00-0127			1 Lamp Cross Section, Striplight Fluorescent Fixtures (26 51 13 00-0126)		
26 51 13 00-0128	EA	1	T8 Lamp, 1-1/2' Length, Striplight Fluorescent Fixture	114.49	34.96
26 51 13 00-0129	EA	1	T8 Lamp, 2' Length, Striplight Fluorescent Fixture.....	132.66	34.96
26 51 13 00-0130	EA	1	T8 Lamp, 3' Length, Striplight Fluorescent Fixture.....	135.14	38.80

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 51 13 00-0131	EA	1 T8 Lamp, 4' Length, Striplight Fluorescent Fixture.....	139.89		42.65
26 51 13 00-0132	EA	1 T8 Lamp, 8' Length, Striplight Fluorescent Fixture.....	169.11		50.51
26 51 13 00-0133		2 Lamp Cross Section, Striplight Fluorescent Fixtures (26 51 13 00-0126)			
26 51 13 00-0134	EA	2 T8 Lamps, 2' Length, Striplight Fluorescent Fixture.....	137.70		38.80
26 51 13 00-0135	EA	2 T8 Lamps, 3' Length, Striplight Fluorescent Fixture.....	144.73		42.65
26 51 13 00-0136	EA	2 T8 Lamps, 4' Length, Striplight Fluorescent Fixture.....	148.38		46.61
26 51 13 00-0137		3 Lamp Cross Section, Striplight Fluorescent Fixtures (26 51 13 00-0126)			
26 51 13 00-0138	EA	3 T8 Lamps, 2' Length, Striplight Fluorescent Fixture.....	183.10		38.80
26 51 13 00-0139	EA	3 T8 Lamps, 3' Length, Striplight Fluorescent Fixture.....	182.87		42.65
26 51 13 00-0140	EA	3 T8 Lamps, 4' Length, Striplight Fluorescent Fixture.....	185.45		46.61
26 51 13 00-0141		Industrial Fluorescent Fixtures (26 51 13 00-0001)			
26 51 13 00-0142		1 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 13 00-0141)			
26 51 13 00-0143	EA	1 T8 Lamp, 2' Length, Industrial Fluorescent Fixture.....	149.36		34.96
26 51 13 00-0144	EA	1 T8 Lamp, 4' Length, Industrial Fluorescent Fixture.....	162.44		42.65
26 51 13 00-0145	EA	1 T8 Lamp, 8' Length, Industrial Fluorescent Fixture.....	273.03		54.30
26 51 13 00-0146		2 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 13 00-0141)			
26 51 13 00-0147	EA	2 T8 Lamps, 2' Length, Industrial Fluorescent Fixture.....	158.33		38.80
26 51 13 00-0148	EA	2 T8 Lamps, 4' Length, Industrial Fluorescent Fixture.....	170.94		46.61
26 51 13 00-0149	EA	2 T8 Lamps, 8' Length, Industrial Fluorescent Fixture.....	278.37		54.30
26 51 13 00-0150		3 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 13 00-0141)			
26 51 13 00-0151	EA	3 T8 Lamps, 2' Length, Industrial Fluorescent Fixture.....	164.44		38.80
26 51 13 00-0152	EA	3 T8 Lamps, 4' Length, Industrial Fluorescent Fixture.....	175.82		46.61
26 51 13 00-0153	EA	3 T8 Lamps, 8' Length, Industrial Fluorescent Fixture.....	250.29		54.30
26 51 13 00-0154		4 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 13 00-0141)			
26 51 13 00-0155	EA	4 T8 Lamps, 4' Length, Industrial Fluorescent Fixture.....	223.59		46.61
26 51 13 00-0156	EA	4 T8 Lamps, 8' Length, Industrial Fluorescent Fixture.....	314.58		54.30
26 51 13 00-0157		Undercabinet Fluorescent Fixtures (26 51 13 00-0001)			
26 51 13 00-0158	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture.....	93.32		31.46
26 51 13 00-0159	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture.....	110.63		38.45
26 51 13 00-0160	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	109.51		38.45
26 51 13 00-0161	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	127.41		41.95
26 51 13 00-0162	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	148.32		48.94
26 51 13 00-0163		Corner Mounted, Fluorescent Fixtures (26 51 13 00-0001)			
Note: Includes acrylic drop dish diffuser.					
26 51 13 00-0164		2' Length, Corner Mounted, Fluorescent Fixtures (26 51 13 00-0163)			
26 51 13 00-0165	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture.....	141.78		34.96
26 51 13 00-0166	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture.....	155.22		34.96
26 51 13 00-0167		3' Length, Corner Mounted, Fluorescent Fixtures (26 51 13 00-0163)			
26 51 13 00-0168	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture.....	158.86		36.70
26 51 13 00-0169	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture.....	171.86		36.70
26 51 13 00-0170		4' Length, Corner Mounted, Fluorescent Fixtures (26 51 13 00-0163)			
26 51 13 00-0171	EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture.....	157.36		38.45
26 51 13 00-0172	EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture.....	169.75		38.45
26 51 13 00-0173		Wall Bracket, Fluorescent Fixtures (26 51 13 00-0001)			
26 51 13 00-0174		Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0173)			
Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.					
26 51 13 00-0175		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0174)			
26 51 13 00-0176	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	254.28		58.63
26 51 13 00-0177	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	256.97		58.63
26 51 13 00-0178		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0174)			
26 51 13 00-0179	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	340.23		58.63
26 51 13 00-0180	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	343.99		58.63
26 51 13 00-0181		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0174)			
26 51 13 00-0182	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	354.90		58.63

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

26 51 13 00-0183	EA		2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	357.59	58.63
26 51 13 00-0184			Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 13 00-0173)</small>		
			Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0185			2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 13 00-0184)</small>		
26 51 13 00-0186	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	408.23	58.63
26 51 13 00-0187	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	410.92	58.63
26 51 13 00-0188			3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 13 00-0184)</small>		
26 51 13 00-0189	EA		1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	327.46	58.63
26 51 13 00-0190	EA		2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	331.21	58.63
26 51 13 00-0191			4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 13 00-0184)</small>		
26 51 13 00-0192	EA		1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	373.23	58.63
26 51 13 00-0193	EA		2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	375.92	58.63
26 51 13 00-0194			Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0173)</small>		
			Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0195			2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0194)</small>		
26 51 13 00-0196	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	241.78	58.63
26 51 13 00-0197	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	244.47	58.63
26 51 13 00-0198			3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0194)</small>		
26 51 13 00-0199	EA		1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	242.85	58.63
26 51 13 00-0200	EA		2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	246.60	58.63
26 51 13 00-0201			4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0194)</small>		
26 51 13 00-0202	EA		1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	232.20	58.63
26 51 13 00-0203	EA		2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	234.89	58.63
26 51 13 00-0204			Low Occupancy, Industrial Fluorescent Fixtures <small>(26 51 13 00-0001)</small>		
26 51 13 00-0205	EA		1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	324.53	42.65
26 51 13 00-0206	EA		2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	330.36	46.61
26 51 13 00-0207			Accessories And Modifiers For Fluorescent Fixtures <small>(26 51 13 00-0001)</small>		
26 51 13 00-0208			Lens Modifications <small>(26 51 13 00-0207)</small>		
26 51 13 00-0209	EA		For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	20.76	
26 51 13 00-0210	EA		For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	25.65	
26 51 13 00-0211	EA		For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	26.87	
26 51 13 00-0212	EA		For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	29.31	
26 51 13 00-0213	EA		For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	35.41	
26 51 13 00-0214	EA		For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	8.55	
26 51 13 00-0215	EA		For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	12.21	
26 51 13 00-0216	EA		For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	13.43	
26 51 13 00-0217	EA		For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	15.88	
26 51 13 00-0218			Pendant Mounting Modifications <small>(26 51 13 00-0207)</small>		
			Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 13 00-0219	EA		For Pendant Mounting Up to 1'-6" Long Section.....	9.28	
			Note: Per pendant.		
26 51 13 00-0220	EA		For Pendant Mounting 2' Long Section.....	10.75	
			Note: Per pendant.		
26 51 13 00-0221	EA		For Pendant Mounting 3' Long Section.....	13.75	
			Note: Per pendant.		
26 51 13 00-0222	EA		For Pendant Mounting 4' Long Section.....	16.24	
			Note: Per pendant.		
26 51 13 00-0223	EA		For Pendant Mounting 6' Long Section.....	20.52	
			Note: Per pendant.		
26 51 13 00-0224	EA		For Pendant Mounting 8' Long Section.....	27.84	
			Note: Per pendant.		
26 51 13 00-0225			LED Fixtures <small>(26 51 13)</small>		
26 51 13 00-0226			Undercabinet LED Fixtures <small>(26 51 13 00-0225)</small>		
26 51 13 00-0227	EA		12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	132.58	31.46
26 51 13 00-0228	EA		18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	168.13	38.45
26 51 13 00-0229	EA		24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	186.32	38.45
26 51 13 00-0230			Striplight LED Fixtures <small>(26 51 13 00-0225)</small>		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 51 13 00-0231		Striplight LED Fixtures (Lithonia ZL) (26 51 13 00-0230)			
26 51 13 00-0232	EA	2' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia ZL1).....	249.38		34.96
26 51 13 00-0233	EA	4' Length, 2,800 Lumens, LED Striplight Fixture (Lithonia ZL1).....	261.03		42.65
26 51 13 00-0234	EA	2' Length, 1,400 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2).....	252.59		34.96
26 51 13 00-0235	EA	4' Length, 2,300 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2).....	264.24		42.65
26 51 13 00-0236	EA	4' Length, 4,600 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2).....	335.14		42.65
26 51 13 00-0237		Lay-In/Troffer LED Fixtures (26 51 13 00-0225)			
26 51 13 00-0238		Prismatic Lensed, Lay-In/Troffer LED Fixtures (26 51 13 00-0237)			
26 51 13 00-0239		Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 13 00-0238)			
26 51 13 00-0240	EA	4,300 Lumens, 1' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4).....	444.86		54.30
		<i>For Drywall Or Plaster Ceilings, Add</i>	36.71		
26 51 13 00-0241	EA	3,300 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2).....	354.49		46.61
		<i>For Drywall Or Plaster Ceilings, Add</i>	31.46		
26 51 13 00-0242	EA	4,600 Lumens, 2' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4).....	428.65		54.30
		<i>For Drywall Or Plaster Ceilings, Add</i>	36.71		
26 51 13 00-0243		Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) (26 51 13 00-0238)			
26 51 13 00-0244	EA	3,200 Lumens, 1' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4).....	516.65		54.30
26 51 13 00-0245	EA	3,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5).....	361.45		46.61
26 51 13 00-0246	EA	4,175 Lumens, 2' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4).....	467.55		54.30
26 51 13 00-0247		Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) (26 51 13 00-0238)			
26 51 13 00-0248	EA	2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	251.42		46.61
26 51 13 00-0249	EA	3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	274.84		46.61
26 51 13 00-0250	EA	3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40).....	238.54		46.61
26 51 13 00-0251	EA	4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45).....	238.54		46.61
26 51 13 00-0252	EA	4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50).....	253.76		46.61
26 51 13 00-0253		Volumetric, Lay-In/Troffer LED Fixtures (26 51 13 00-0237)			
26 51 13 00-0254		Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 13 00-0253)			
26 51 13 00-0255	EA	2,500 Lumens, 1' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4).....	369.11		42.30
		<i>For Drywall Or Plaster Ceilings, Add</i>	28.84		
26 51 13 00-0256	EA	2,400 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2).....	326.66		46.61
		<i>For Drywall Or Plaster Ceilings, Add</i>	31.46		
26 51 13 00-0257	EA	3,300 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2).....	332.82		46.61
		<i>For Drywall Or Plaster Ceilings, Add</i>	31.46		
26 51 13 00-0258	EA	4,000 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2).....	344.48		54.30
26 51 13 00-0259	EA	4,000 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4).....	365.54		54.30
		<i>For Drywall Or Plaster Ceilings, Add</i>	36.71		
26 51 13 00-0260	EA	4,800 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4).....	386.59		54.30
		<i>For Drywall Or Plaster Ceilings, Add</i>	36.71		
26 51 13 00-0261	EA	2,400 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4).....	352.26		54.30
		<i>For Drywall Or Plaster Ceilings, Add</i>	36.71		
26 51 13 00-0262	EA	4,000 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4).....	352.26		54.30
		<i>For Drywall Or Plaster Ceilings, Add</i>	36.71		
26 51 13 00-0263		Architectural, Lay-In/Troffer LED Fixtures (26 51 13 00-0237)			
26 51 13 00-0264		Architectural, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 13 00-0263) Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.			
26 51 13 00-0265	EA	2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	402.90		54.30
		<i>For Drywall Or Plaster Ceilings, Add</i>	36.71		
26 51 13 00-0266	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	475.24		54.30
		<i>For Drywall Or Plaster Ceilings, Add</i>	36.71		
26 51 13 00-0267	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	540.35		54.30
		<i>For Drywall Or Plaster Ceilings, Add</i>	36.71		
26 51 13 00-0268		Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) (26 51 13 00-0263) Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.			
26 51 13 00-0269	EA	2,200 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	330.26		54.30
		<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.24		
		<i>For Drywall Or Plaster Ceilings, Add</i>	125.56		
		<i>For Surface Mount, Add</i>	171.42		
26 51 13 00-0270	EA	3,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	354.57		54.30
		<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.24		
		<i>For Drywall Or Plaster Ceilings, Add</i>	125.56		
		<i>For Surface Mount, Add</i>	171.42		
26 51 13 00-0271	EA	4,000 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	354.57		54.30
		<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.24		
		<i>For Drywall Or Plaster Ceilings, Add</i>	125.56		
		<i>For Surface Mount, Add</i>	171.42		
26 51 13 00-0272	EA	5,000 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	390.46		54.30
		<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.24		
		<i>For Drywall Or Plaster Ceilings, Add</i>	125.56		
		<i>For Surface Mount, Add</i>	171.42		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0273	EA		2,000 Lumens, 2' x 2', Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K For Expanded Size Junction Box For Through Wiring, Add For Drywall Or Plaster Ceilings, Add For Surface Mount, Add	304.85 3.24 109.27 160.98	46.61
26 51 13 00-0274	EA		3,200 Lumens, 2' x 2', Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K For Expanded Size Junction Box For Through Wiring, Add For Drywall Or Plaster Ceilings, Add For Surface Mount, Add	288.51 3.24 109.27 160.98	46.61
26 51 13 00-0275	EA		2,200 Lumens, 2' x 4', Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K For Expanded Size Junction Box For Through Wiring, Add For Drywall Or Plaster Ceilings, Add For Surface Mount, Add	343.75 3.24 127.87 186.47	54.30
26 51 13 00-0276	EA		3,100 Lumens, 2' x 4', Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K For Expanded Size Junction Box For Through Wiring, Add For Drywall Or Plaster Ceilings, Add For Surface Mount, Add	354.57 3.24 127.87 186.47	54.30
26 51 13 00-0277	EA		4,000 Lumens, 2' x 4', Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K For Expanded Size Junction Box For Through Wiring, Add For Drywall Or Plaster Ceilings, Add For Surface Mount, Add	354.57 3.24 127.87 186.47	54.30
26 51 13 00-0278	EA		4,000 Lumens, 2' x 4', Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) Note: CCT 30K to 50K For Expanded Size Junction Box For Through Wiring, Add For Drywall Or Plaster Ceilings, Add For Surface Mount, Add	446.02 3.24 127.87 186.47	54.30
26 51 13 00-0279	EA		5,000 Lumens, 2' x 4', Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K For Expanded Size Junction Box For Through Wiring, Add For Drywall Or Plaster Ceilings, Add For Surface Mount, Add	390.46 3.24 127.87 186.47	54.30
26 51 13 00-0280			Architectural, Lay-In/Troffer LED Fixtures (Metalux®) (26 51 13 00-0263) Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 13 00-0281	EA		2,500 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	301.70	46.61
26 51 13 00-0282	EA		4,700 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	400.81	54.30
26 51 13 00-0283			Shadow Box Style, Lay-In/Troffer LED Fixtures (26 51 13 00-0237)		
26 51 13 00-0284			Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) (26 51 13 00-0283)		
26 51 13 00-0285	EA		3,300 Lumens, 2' x 2', Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)..... For Drywall Or Plaster Ceilings, Add	377.42 31.46	46.61
26 51 13 00-0286	EA		4,600 Lumens, 2' x 4', Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)..... For Drywall Or Plaster Ceilings, Add	509.85 36.71	54.30
26 51 13 00-0287			Panel Type, Lay-In/Troffer LED Fixtures (26 51 13 00-0237)		
26 51 13 00-0288			Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) (26 51 13 00-0287)		
26 51 13 00-0289	EA		3,100 Lumens, 1' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	275.49	54.30
26 51 13 00-0290	EA		3,100 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	273.12	46.61
26 51 13 00-0291	EA		4,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	346.32	54.30
26 51 13 00-0292	EA		5,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	346.32	54.30
26 51 13 00-0293			Surface Mount LED Fixtures (26 51 13 00-0225)		
26 51 13 00-0294			Surface Mount, Volumetric LED Fixtures (Lithonia STL) (26 51 13 00-0293)		
26 51 13 00-0295	EA		2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	352.07	34.96
26 51 13 00-0296	EA		4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	362.64	77.72
26 51 13 00-0297	EA		4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	356.11	42.65
26 51 13 00-0298			Surface Mount, Wraparound LED Fixtures (Lithonia LBL) (26 51 13 00-0293)		
26 51 13 00-0299	EA		2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2).....	220.87	42.65
26 51 13 00-0300	EA		4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4).....	224.54	42.65
26 51 13 00-0301			Surface Mount, Shadow Box Style LED Fixtures (26 51 13 00-0293)		
26 51 13 00-0302			Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) (26 51 13 00-0301)		
26 51 13 00-0303	EA		3,300 Lumens, 2' x 2', Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2)	476.12	46.61
26 51 13 00-0304	EA		4,600 Lumens, 2' x 4', Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4)	608.55	54.30
26 51 13 00-0305			Surface Mount, Low Profile Fixtures (26 51 13 00-0293)		
26 51 13 00-0306	EA		6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90)	89.02	31.90
26 51 13 00-0307	EA		6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569).....	78.07	31.90
26 51 13 00-0308	EA		13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329).....	112.01	31.90
26 51 13 00-0309	EA		15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330).....	129.53	31.90

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 51 13 00-0310		Recessed LED Downlights (26 51 13 00-0225)			
26 51 13 00-0311		Recessed LED Downlights (26 51 13 00-0310)			
26 51 13 00-0312		Recessed LED Downlights (Lithonia) (26 51 13 00-0311) Note: Includes housing and trim.			
26 51 13 00-0313	EA	1,200 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	402.55		56.08
		<i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>	87.98		
26 51 13 00-0314	EA	1,500 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	438.73		56.08
		<i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>	87.98		
26 51 13 00-0315		Recessed LED Downlights (Portfolio®) (26 51 13 00-0311) Note: Includes housing and trim.			
26 51 13 00-0316	EA	1,300 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Portfolio® LD413)	248.71		56.08
26 51 13 00-0317		Recessed LED Downlights (Gotham® EVO®) (26 51 13 00-0311) Note: Includes housing and trim.			
26 51 13 00-0318	EA	1,800 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED).....	349.26		56.08
26 51 13 00-0319	EA	1,800 Lumens, 6" Diameter, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED)	361.51		56.08
26 51 13 00-0320	EA	1,800 Lumens, 6" Diameter, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	411.75		56.08
26 51 13 00-0321	EA	1,800 Lumens, 6" Diameter, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED).....	416.66		56.08
26 51 13 00-0322	EA	1,800 Lumens, 6" Diameter, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	459.55		56.08
26 51 13 00-0323		Recessed LED Downlights (Lightolier) (26 51 13 00-0311) Note: Includes housing and trim.			
26 51 13 00-0324	EA	500 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L05DL)	369.88		56.08
26 51 13 00-0325	EA	1,000 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L10DL).....	427.86		56.08
26 51 13 00-0326	EA	1,500 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	456.78		56.08
26 51 13 00-0327	EA	2,000 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	456.78		56.08
26 51 13 00-0328	EA	1,500 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	471.31		56.08
26 51 13 00-0329	EA	2,000 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	485.84		56.08
26 51 13 00-0330		Recessed LED Downlights (Cooper) (26 51 13 00-0311)			
26 51 13 00-0331	EA	2700K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606827)	149.18		56.08
26 51 13 00-0332	EA	3000K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606830)	149.18		56.08
26 51 13 00-0333	EA	3500K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606835)	149.18		56.08
26 51 13 00-0334	EA	4000K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606840)	149.18		56.08
26 51 13 00-0335	EA	2700K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609827)	151.60		56.08
26 51 13 00-0336	EA	3000K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609830)	151.60		56.08
26 51 13 00-0337	EA	3500K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609835)	151.60		56.08
26 51 13 00-0338	EA	4000K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609840)	151.60		56.08
26 51 13 00-0339	EA	2700K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612827)	184.46		56.08
26 51 13 00-0340	EA	3000K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612830)	182.79		56.08
26 51 13 00-0341	EA	3500K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612835)	182.79		56.08
26 51 13 00-0342	EA	4000K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612840)	182.79		56.08
26 51 13 00-0343	EA	5" LED Trim, Polymer "Dead-Front", Shallow White Baffle And Flange (Cooper Halo 591WB)	85.23		17.85
26 51 13 00-0344	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	55.16		17.85
26 51 13 00-0345	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	68.10		17.85
26 51 13 00-0346	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	57.76		17.85
26 51 13 00-0347	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB).....	47.19		17.85
26 51 13 00-0348	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB)	57.30		17.85
26 51 13 00-0349	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	63.45		17.85
26 51 13 00-0350	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	68.94		17.85
26 51 13 00-0351	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB).....	79.66		17.85
26 51 13 00-0352	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB)	80.00		17.85
26 51 13 00-0353	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB)	78.46		17.85
26 51 13 00-0354	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW).....	96.04		17.85
26 51 13 00-0355	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB)	47.57		17.85
26 51 13 00-0356	EA	6" LED Trim, Polymer "Dead-Front", White Shallow Baffle And Flange (Cooper Halo 691WB)	82.66		17.85
26 51 13 00-0357	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC)	70.82		17.85
26 51 13 00-0358	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H)	66.67		17.85
26 51 13 00-0359	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W)	59.83		17.85
26 51 13 00-0360	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB).....	60.32		17.85
26 51 13 00-0361	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB)	64.71		17.85
26 51 13 00-0362	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	59.56		17.85
26 51 13 00-0363	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	73.57		17.85
26 51 13 00-0364	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB).....	79.47		17.85
26 51 13 00-0365	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	99.12		17.85
26 51 13 00-0366	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	96.65		17.85
26 51 13 00-0367	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW).....	97.74		17.85
26 51 13 00-0368	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	60.92		17.85
26 51 13 00-0369	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	62.63		38.24
26 51 13 00-0370	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT).....	67.44		38.24
26 51 13 00-0371	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	65.52		38.24

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

26 51 13 00-0372	EA	6"	LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	84.47	38.24
26 51 13 00-0373	EA	6"	LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT)	82.24	38.24
26 51 13 00-0374	EA	6"	Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT)	68.10	38.24
26 51 13 00-0375	EA	6"	Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT)	71.34	38.24
26 51 13 00-0376	EA	6"	Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT)	67.42	38.24
26 51 13 00-0377	EA	6"	Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT)	70.97	38.24
26 51 13 00-0378	EA	6"	Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB)	68.01	38.24
26 51 13 00-0379	EA	6"	Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB)	67.68	38.24
26 51 13 00-0380	EA	6"	Non-IC, New Construction Housing (Cooper Halo H7T)	70.24	38.24
26 51 13 00-0381	EA	6"	Non-IC, Remodel Housing (Cooper Halo H7RT)	71.63	38.24
26 51 13 00-0382	EA	6"	Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB)	72.07	38.24
26 51 13 00-0383	EA	6"	Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP)	93.54	38.24
26 51 13 00-0384	EA	6"	Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICAT)	88.15	38.24
26 51 13 00-0385	EA	6"	Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT)	88.77	38.24
26 51 13 00-0386	EA	6"	Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT)	92.38	38.24
26 51 13 00-0387	EA	6"	Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT)	92.38	38.24
26 51 13 00-0388	EA	6"	Insulated Ceiling, New Construction Housing (Cooper Halo EI700)	92.38	38.24
26 51 13 00-0389	EA	6"	Insulated Ceiling, Remodel Housing (Cooper Halo EI700R)	92.38	38.24
26 51 13 00-0390	EA	6"	Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)	92.38	38.24
26 51 13 00-0391	EA	6"	Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB)	82.95	38.24
26 51 13 00-0392	EA	6"	Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U)	82.95	38.24
26 51 13 00-0393	EA	6"	Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT)	82.95	38.24
26 51 13 00-0394	EA	6"	Non-IC, New Construction Housing (Cooper Halo ET700)	82.95	38.24
26 51 13 00-0395	EA	6"	Non-IC, Remodel Housing (Cooper Halo ET700R)	82.95	38.24
26 51 13 00-0396	EA	6"	Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT)	83.64	38.24
26 51 13 00-0397	EA	6"	Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICT)	94.23	38.24
26 51 13 00-0398	EA	6"	Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT)	83.64	38.24
26 51 13 00-0399	EA	6"	Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT)	91.24	38.24
26 51 13 00-0400	EA	6"	Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	79.35	38.24
26 51 13 00-0401	EA	6"	Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT)	80.39	38.24
26 51 13 00-0402	EA	6"	Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT)	87.80	38.24
26 51 13 00-0403	EA	6"	Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700)	87.80	38.24
26 51 13 00-0404	EA	6"	Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	87.80	38.24
26 51 13 00-0405	EA	6"	Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	87.80	38.24
26 51 13 00-0406	EA	6"	Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R)	87.80	38.24
26 51 13 00-0407	EA	6"	Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK)	68.73	17.85
26 51 13 00-0408	EA	6"	Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK)	70.88	17.85
26 51 13 00-0409	EA	5"	LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT)	74.67	38.24
26 51 13 00-0410	EA	5"	LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT)	74.93	38.24
26 51 13 00-0411	EA	5"	Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT)	70.46	38.24
26 51 13 00-0412	EA	5"	Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	72.66	38.24
26 51 13 00-0413	EA	5"	Non-IC, New Construction Housing (Cooper Halo H5T)	71.94	38.24
26 51 13 00-0414	EA	5"	Non-IC, Remodel Housing (Cooper Halo H5RT)	72.60	38.24
26 51 13 00-0415	EA	5"	Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT)	82.02	38.24
26 51 13 00-0416	EA	5"	Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT)	82.52	38.24
26 51 13 00-0417	EA	5"	Non-IC, New Construction Housing (Cooper Halo ET500)	85.05	38.24
26 51 13 00-0418	EA	5"	Non-IC, Remodel Housing (Cooper Halo ET500R)	86.83	38.24
26 51 13 00-0419	EA	5"	Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT)	94.62	38.24

26 51 13 00-0420		Recessed LED Downlights (Maxlite) <small>(26 51 13 00-0311)</small>			
26 51 13 00-0421	EA	1,000 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR410)	136.91	56.08	
26 51 13 00-0422	EA	1,500 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR415)	138.26	56.08	
26 51 13 00-0423	EA	2,000 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR420)	142.33	56.08	
26 51 13 00-0424	EA	1,500 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR615)	134.20	56.08	
26 51 13 00-0425	EA	2,000 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR620)	134.20	56.08	
26 51 13 00-0426	EA	3,000 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR630)	134.20	56.08	
26 51 13 00-0427	EA	1,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR810)	142.33	56.08	
26 51 13 00-0428	EA	1,500 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR815)	143.68	56.08	
26 51 13 00-0429	EA	2,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR820)	146.38	56.08	
26 51 13 00-0430	EA	3,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR830)	154.50	56.08	
26 51 13 00-0431	EA	5,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR850)	165.33	56.08	

26 51 13 00-0432		Recessed LED Downlight Retrofits And Trim (CREE®) <small>(26 51 13 00-0310)</small>			
26 51 13 00-0433		Recessed LED Downlight Retrofits (CREE®) <small>(26 51 13 00-0432)</small>			
Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.					
26 51 13 00-0434	EA	575 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (Cree® CR4-575L)	56.76		
26 51 13 00-0435	EA	625 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® CR6-625L)	48.58		
26 51 13 00-0436	EA	800 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® CR6-800L)	64.93		
26 51 13 00-0437	EA	650 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® LR6C-277)	74.46		
26 51 13 00-0438	EA	1,000 Lumens, Deep Recess, 6" Diameter, Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR)	82.63		

26 51 13 00-0439		Recessed LED Downlight Retrofits Trim (CREE®) <small>(26 51 13 00-0432)</small>			
Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.					
26 51 13 00-0440	EA	6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX)	32.73	8.92	
26 51 13 00-0441	EA	6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	38.18	8.92	
26 51 13 00-0442	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB)	34.10	8.92	

26 51 13 00-0443		Recessed LED Downlight Fixture Housings (CREE®) <small>(26 51 13 00-0432)</small>			
Note: Excludes lamp and trim.					

26 Electrical

26 50 Lighting

26 51 Interior Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0444	EA		6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	90.04	38.24
26 51 13 00-0445	EA		6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6)	70.96	38.24
26 51 13 00-0446			Can Retrofit Or Surface Mount, LED Downlights (26 51 13 00-0310)		
26 51 13 00-0447	EA		15 Watt, 6" Diameter, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	106.83	34.96
26 51 13 00-0448	EA		7 Watt, 4" Diameter, Can Retrofit, LED Downlight (Green Creative 01-811-D).....	85.70	34.96
26 51 13 00-0449	EA		9.5 Watt, 6" Diameter, Can Retrofit, LED Downlight (Green Creative 01-808-D).....	85.70	34.96
26 51 13 00-0450	EA		8.9 Watt, 6" Diameter, Can Retrofit, LED Downlight (Lithonia 6BP)	100.66	34.96
			<i>For Recessed IC/Non-IC Rated Housing For New Construction, Add</i>	39.99	
26 51 13 00-0451			Wall Mount LED Cylinder Downlight (26 51 13 00-0225)		
26 51 13 00-0452	EA		2,200 Lumens, 9" Diameter, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9).....	471.71	54.30
26 51 13 00-0453			LED Sconce Fixtures (26 51 13 00-0225)		
26 51 13 00-0454	EA		2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN)	326.47	50.98
26 51 13 00-0455			Concealed Continuous LED Fixtures (26 51 13 00-0225)		
26 51 13 00-0456			Concealed Continuous LED Fixtures (Fraqtir™ S301) (26 51 13 00-0455)		
26 51 13 00-0457	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	400.67	5.83
26 51 13 00-0458	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	456.12	5.83
26 51 13 00-0459			LED Low Bay Fixtures (26 51 13 00-0225)		
26 51 13 00-0460			LED Linear Low Bay Fixtures (PlanLED) (26 51 13 00-0459)		
26 51 13 00-0461	EA		4' Length, 23 System Watts, LED Linear Low Bay Fixture (PlanLED A1W4).....	257.04	69.92
26 51 13 00-0462	EA		4' Length, 42 System Watts, LED Linear Low Bay Fixture (PlanLED A2W4A)	329.63	69.92
26 51 13 00-0463	EA		8' Length, 84 System Watts, LED Linear Low Bay Fixture (PlanLED A2W5A)	526.21	87.39
26 51 13 00-0464			LED Linear Low Bay Fixtures (CREE® CS) (26 51 13 00-0459)		
			Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 13 00-0465	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™).....	489.00	69.92
26 51 13 00-0466	EA		7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	609.37	87.39
26 51 13 00-0467	EA		8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	760.53	87.39
26 51 13 00-0468			LED Linear Low Bay Fixtures (Lithonia MSL) (26 51 13 00-0459)		
			Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 13 00-0469	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL).....	589.58	69.92
26 51 13 00-0470			Wet/Hazardous Location, LED Fixtures (26 51 13 00-0225)		
26 51 13 00-0471			Wet Location, LED Fixtures (26 51 13 00-0470)		
26 51 13 00-0472			Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) (26 51 13 00-0471)		
			Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0473	EA		47 System Watts, 3,240 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L)	1,560.71	97.87
			<i>For Ceiling Mount, Add</i>	13.07	
			<i>For Quick Clip Mounting Option, Add</i>	19.21	
			<i>For Frosted Lens, Add</i>	41.32	
			<i>For Warm White Color Rendering, Add</i>	53.19	
			<i>For Stanchion Mount, Add</i>	89.15	
			<i>For Wall Mount, Add</i>	98.68	
			<i>For Polycarbonate Lens, Add</i>	76.59	
			<i>For Teflon Coated Lens, Add</i>	87.70	
			<i>For 480 Volt, Add</i>	125.28	
26 51 13 00-0474	EA		63 System Watts, 3,778 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L)	1,594.45	104.87
			<i>For Ceiling Mount, Add</i>	13.07	
			<i>For Quick Clip Mounting Option, Add</i>	19.21	
			<i>For Frosted Lens, Add</i>	41.32	
			<i>For Warm White Color Rendering, Add</i>	53.19	
			<i>For Stanchion Mount, Add</i>	89.15	
			<i>For Wall Mount, Add</i>	98.68	
			<i>For Polycarbonate Lens, Add</i>	76.59	
			<i>For Teflon Coated Lens, Add</i>	87.70	
			<i>For 480 Volt, Add</i>	125.28	

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

26 51 13 00-0475	EA		98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L).....	1,796.23	111.86
			<i>For Ceiling Mount, Add</i>	13.07	
			<i>For Quick Clip Mounting Option, Add</i>	19.21	
			<i>For Frosted Lens, Add</i>	41.32	
			<i>For Warm White Color Rendering, Add</i>	53.19	
			<i>For Stanchion Mount, Add</i>	89.15	
			<i>For Wall Mount, Add</i>	98.68	
			<i>For Polycarbonate Lens, Add</i>	76.59	
			<i>For Teflon Coated Lens, Add</i>	87.70	
			<i>For 480 Volt, Add</i>	125.28	
26 51 13 00-0476	EA		98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L).....	2,152.24	118.85
			<i>For Ceiling Mount, Add</i>	13.07	
			<i>For Quick Clip Mounting Option, Add</i>	19.21	
			<i>For Frosted Lens, Add</i>	41.32	
			<i>For Warm White Color Rendering, Add</i>	53.19	
			<i>For Stanchion Mount, Add</i>	89.15	
			<i>For Wall Mount, Add</i>	98.68	
			<i>For Polycarbonate Lens, Add</i>	76.59	
			<i>For Teflon Coated Lens, Add</i>	87.70	
			<i>For 480 Volt, Add</i>	125.28	
26 51 13 00-0477	EA		137 System Watts, 9,720 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	2,728.56	125.84
			<i>For Ceiling Mount, Add</i>	13.07	
			<i>For Quick Clip Mounting Option, Add</i>	19.21	
			<i>For Frosted Lens, Add</i>	41.32	
			<i>For Warm White Color Rendering, Add</i>	53.19	
			<i>For Stanchion Mount, Add</i>	89.15	
			<i>For Wall Mount, Add</i>	98.68	
			<i>For Polycarbonate Lens, Add</i>	76.59	
			<i>For Teflon Coated Lens, Add</i>	87.70	
			<i>For 480 Volt, Add</i>	125.28	

26 51 13 00-0478 Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) (26 51 13 00-0471)

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 13 00-0479	EA		45 System Watts, 5,183 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L).....	1,417.40	104.87
			<i>For Bolt-On Visor, Add</i>	71.14	
			<i>For Bolt-On Wire Guard, Add</i>	146.33	
			<i>For 480 Volt, Add</i>	125.28	
			<i>For Warm White Color Rendering, Add</i>	53.19	
26 51 13 00-0480	EA		62 System Watts, 7,095 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L).....	2,064.50	111.86
			<i>For Bolt-On Visor, Add</i>	71.14	
			<i>For Bolt-On Wire Guard, Add</i>	146.33	
			<i>For 480 Volt, Add</i>	125.28	
			<i>For Warm White Color Rendering, Add</i>	53.19	
26 51 13 00-0481	EA		79 System Watts, 9,132 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L).....	2,273.64	118.85
			<i>For Bolt-On Visor, Add</i>	71.14	
			<i>For Bolt-On Wire Guard, Add</i>	146.33	
			<i>For 480 Volt, Add</i>	125.28	
			<i>For Warm White Color Rendering, Add</i>	53.19	
26 51 13 00-0482	EA		99 System Watts, 11,107 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L).....	2,603.83	125.84
			<i>For Bolt-On Visor, Add</i>	71.14	
			<i>For Bolt-On Wire Guard, Add</i>	146.33	
			<i>For 480 Volt, Add</i>	125.28	
			<i>For Warm White Color Rendering, Add</i>	53.19	

26 51 13 00-0483 Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) (26 51 13 00-0471)

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 13 00-0484	EA		25 System Watts, 1,400 Lumens, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC).....	998.88	97.87
			<i>For 12/24 Volt DC Driver, Add</i>	20.22	
			<i>For Frosted Lens, Add</i>	41.32	
			<i>For 55 Degree Ambient Suitability (AC Only), Add</i>	27.53	
			<i>For Warm White Color Rendering, Add</i>	53.19	
			<i>For Ceiling Mount, Add</i>	62.82	
			<i>For Wall Mount, Add</i>	91.10	
			<i>For Teflon Coated Lens, Add</i>	87.70	
			<i>For Wall Mount With Junction Box, Add</i>	132.34	

26 51 13 00-0485 Class I Division 2, Hazardous Location, LED Fixtures (26 51 13 00-0470)

26 51 13 00-0486 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) (26 51 13 00-0485)

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 13 00-0487	EA 45 System Watts, 5,183 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L)	1,906.31	104.87
	<i>For Bolt-On Visor, Add</i>	71.14	
	<i>For Bolt-On Wire Guard, Add</i>	146.33	
	<i>For 480 Volt, Add</i>	125.28	
	<i>For Warm White Color Rendering, Add</i>	53.19	
26 51 13 00-0488	EA 62 System Watts, 7,095 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L)	2,327.76	111.86
	<i>For Bolt-On Visor, Add</i>	71.14	
	<i>For Bolt-On Wire Guard, Add</i>	146.33	
	<i>For 480 Volt, Add</i>	125.28	
	<i>For Warm White Color Rendering, Add</i>	53.19	
26 51 13 00-0489	EA 79 System Watts, 9,132 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L)	2,626.30	118.85
	<i>For Bolt-On Visor, Add</i>	71.14	
	<i>For Bolt-On Wire Guard, Add</i>	146.33	
	<i>For 480 Volt, Add</i>	125.28	
	<i>For Warm White Color Rendering, Add</i>	53.19	
26 51 13 00-0490	EA 99 System Watts, 11,107 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L)	2,933.03	125.84
	<i>For Bolt-On Visor, Add</i>	71.14	
	<i>For Bolt-On Wire Guard, Add</i>	146.33	
	<i>For 480 Volt, Add</i>	125.28	
	<i>For Warm White Color Rendering, Add</i>	53.19	
26 51 13 00-0491	Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) <small>(26 51 13 00-0485)</small> Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0492	EA 25 System Watts, 1,600 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)	1,142.71	97.87
	<i>For 12/24 Volt DC Driver, Add</i>	20.22	
	<i>For Frosted Lens, Add</i>	41.32	
	<i>For Warm White Color Temperature LEDs, Add</i>	53.19	
	<i>For 55 Degree Ambient Suitability (AC Only) Option, Add</i>	27.53	
	<i>For Stanchion Mount, Add</i>	170.46	
	<i>For Ceiling Mount, Add</i>	68.35	
	<i>For Wall Mount, Add</i>	99.78	
	<i>For Teflon Coated Lens, Add</i>	87.70	
	<i>For Wall Mount With Junction Box, Add</i>	145.68	
26 51 13 00-0493	Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) <small>(26 51 13 00-0485)</small> Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0494	EA 47 System Watts, 3,240 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L)	1,790.90	97.87
	<i>For Ceiling Mount, Add</i>	13.08	
	<i>For Quick Clip Mounting Option, Add</i>	19.21	
	<i>For Frosted Lens, Add</i>	41.32	
	<i>For Warm White Color Rendering, Add</i>	53.19	
	<i>For Polycarbonate Lens, Add</i>	76.59	
	<i>For 480 Volt, Add</i>	125.28	
26 51 13 00-0495	EA 63 System Watts, 3,778 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	1,982.58	104.87
	<i>For Ceiling Mount, Add</i>	13.08	
	<i>For Quick Clip Mounting Option, Add</i>	19.21	
	<i>For Frosted Lens, Add</i>	41.32	
	<i>For Warm White Color Rendering, Add</i>	53.19	
	<i>For Polycarbonate Lens, Add</i>	76.59	
	<i>For 480 Volt, Add</i>	125.28	
26 51 13 00-0496	EA 98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	2,219.42	111.86
	<i>For Ceiling Mount, Add</i>	13.08	
	<i>For Quick Clip Mounting Option, Add</i>	19.21	
	<i>For Frosted Lens, Add</i>	41.32	
	<i>For Warm White Color Rendering, Add</i>	53.19	
	<i>For Polycarbonate Lens, Add</i>	76.59	
	<i>For 480 Volt, Add</i>	125.28	
26 51 13 00-0497	EA 98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	2,879.97	118.85
	<i>For Ceiling Mount, Add</i>	13.08	
	<i>For Quick Clip Mounting Option, Add</i>	19.21	
	<i>For Frosted Lens, Add</i>	41.32	
	<i>For Warm White Color Rendering, Add</i>	53.19	
	<i>For Polycarbonate Lens, Add</i>	76.59	
	<i>For 480 Volt, Add</i>	125.28	
26 51 13 00-0498	EA 137 System Watts, 9,720 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L)	3,299.94	125.84
	<i>For Ceiling Mount, Add</i>	13.08	
	<i>For Quick Clip Mounting Option, Add</i>	19.21	
	<i>For Frosted Lens, Add</i>	41.32	
	<i>For Warm White Color Rendering, Add</i>	53.19	
	<i>For Polycarbonate Lens, Add</i>	76.59	
	<i>For 480 Volt, Add</i>	125.28	
26 51 13 00-0499	Class I Division 1, Explosion Proof, LED Fixtures <small>(26 51 13 00-0470)</small>		

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

26 51 13 00-0500			Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) <small>(26 51 13 00-0499)</small> Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0501	EA		80 System Watts, 5,625 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L)	2,525.17	104.87
			<i>For Wall Mount, Deduct</i>	-9.39	
			<i>For Warm Color Temperature LEDs, Add</i>	50.66	
			<i>For Stainless Steel Guard, Add</i>	90.93	
			<i>For Ceiling Mount, Add</i>	109.69	
			<i>For Stanchion Mount, Add</i>	127.67	
			<i>For Yoke Mount, Add</i>	319.17	
26 51 13 00-0502	EA		100 System Watts, 6,750 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L)	3,061.20	111.86
			<i>For Wall Mount, Deduct</i>	-9.39	
			<i>For Warm Color Temperature LEDs, Add</i>	50.66	
			<i>For Stainless Steel Guard, Add</i>	90.93	
			<i>For Ceiling Mount, Add</i>	109.69	
			<i>For Stanchion Mount, Add</i>	127.67	
			<i>For Yoke Mount, Add</i>	319.17	
26 51 13 00-0503	EA		130 System Watts, 9,000 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L)	3,549.63	118.85
			<i>For Wall Mount, Deduct</i>	-9.39	
			<i>For Warm Color Temperature LEDs, Add</i>	50.66	
			<i>For Stainless Steel Guard, Add</i>	90.93	
			<i>For Ceiling Mount, Add</i>	109.69	
			<i>For Stanchion Mount, Add</i>	127.67	
			<i>For Yoke Mount, Add</i>	319.17	
26 51 13 00-0504	EA		151 System Watts, 10,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L)	4,046.96	125.84
			<i>For Wall Mount, Deduct</i>	-9.39	
			<i>For Warm Color Temperature LEDs, Add</i>	50.66	
			<i>For Stainless Steel Guard, Add</i>	90.93	
			<i>For Ceiling Mount, Add</i>	109.69	
			<i>For Stanchion Mount, Add</i>	127.67	
			<i>For Yoke Mount, Add</i>	319.17	
26 51 13 00-0505	EA		175 System Watts, 13,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L)	4,681.54	121.18
			<i>For Wall Mount, Deduct</i>	-9.39	
			<i>For Warm Color Temperature LEDs, Add</i>	50.66	
			<i>For Stainless Steel Guard, Add</i>	90.93	
			<i>For Ceiling Mount, Add</i>	109.69	
			<i>For Stanchion Mount, Add</i>	127.67	
			<i>For Yoke Mount, Add</i>	319.17	

26 51 13 00-0506 **Ceiling Mounted LED Fixtures** (26 51 13 00-0225)

26 51 13 00-0507 **Ceiling Mounted, LED Drum Fixtures (Enertron)** (26 51 13 00-0506)

26 51 13 00-0508	EA		7 Watts, 11" Diameter, 530 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	136.67	46.61
26 51 13 00-0509	EA		10 Watts 11" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30)	143.30	46.61
26 51 13 00-0510	EA		14 Watts 11" Diameter, 1590 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30)	149.93	46.61
26 51 13 00-0511	EA		17 Watts 11" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30)	156.55	46.61
26 51 13 00-0512	EA		7 Watts, 14" Diameter, 530 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30)	150.52	51.27
26 51 13 00-0513	EA		10 Watts, 14" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30)	157.15	51.27
26 51 13 00-0514	EA		14 Watts, 14" Diameter, 1590 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30)	163.77	51.27
26 51 13 00-0515	EA		17 Watts, 14" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30)	170.40	51.27
26 51 13 00-0516	EA		24 Watts, 14" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	183.65	51.27
26 51 13 00-0517	EA		7 Watts, 11" Diameter, 530 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35)	136.67	46.61
26 51 13 00-0518	EA		10 Watts, 11" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35)	143.30	46.61
26 51 13 00-0519	EA		14 Watts, 11" Diameter, 1590 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35)	149.93	46.61
26 51 13 00-0520	EA		17 Watts, 11" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35)	156.55	46.61
26 51 13 00-0521	EA		7 Watts, 14" Diameter, 530 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	150.52	51.27
26 51 13 00-0522	EA		10 Watts, 14" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	157.15	51.27
26 51 13 00-0523	EA		14 Watts, 14" Diameter, 1590 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	163.77	51.27
26 51 13 00-0524	EA		17 Watts, 14" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	170.40	51.27
26 51 13 00-0525	EA		24 Watts, 14" Diameter, 3180 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	183.65	51.27
26 51 13 00-0526	EA		7 Watts, 11" Diameter, 550 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	136.67	46.61
26 51 13 00-0527	EA		10 Watts, 11" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	143.30	46.61
26 51 13 00-0528	EA		14 Watts, 11" Diameter, 1650 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	149.93	46.61
26 51 13 00-0529	EA		17 Watts, 11" Diameter, 2200 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	156.55	46.61
26 51 13 00-0530	EA		7 Watts, 14" Diameter, 550 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	150.52	51.27
26 51 13 00-0531	EA		10 Watts, 14" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	157.15	51.27
26 51 13 00-0532	EA		14 Watts, 14" Diameter, 1650 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	163.77	51.27
26 51 13 00-0533	EA		17 Watts, 14" Diameter, 2200 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	170.40	51.27
26 51 13 00-0534	EA		24 Watts, 14" Diameter, 3300 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	183.65	51.27
26 51 13 00-0535	EA		7 Watts, 11" Diameter, 560 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	136.67	46.61
26 51 13 00-0536	EA		10 Watts, 11" Diameter, 1120 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	143.30	46.61
26 51 13 00-0537	EA		14 Watts, 11" Diameter, 1680 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	149.93	46.61
26 51 13 00-0538	EA		17 Watts, 11" Diameter, 2240 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	156.55	46.61
26 51 13 00-0539	EA		7 Watts, 14" Diameter, 560 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	150.52	51.27
26 51 13 00-0540	EA		10 Watts, 14" Diameter, 1120 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	157.15	51.27
26 51 13 00-0541	EA		14 Watts, 14" Diameter, 1680 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	163.77	51.27
26 51 13 00-0542	EA		17 Watts, 14" Diameter, 2240 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	170.40	51.27
26 51 13 00-0543	EA		24 Watts, 14" Diameter, 3360 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	183.65	51.27
26 51 13 00-0544	EA		10 Watts, 19" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	189.38	55.34
26 51 13 00-0545	EA		17 Watts, 19" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	204.44	55.34

26 Electrical

26 50 Lighting

26 51 Interior Lighting

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 51 13 00-0546	EA	17 Watts, 19" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	200.76	55.34
26 51 13 00-0547	EA	18 Watts, 19" Diameter, 1910 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	200.70	55.34
26 51 13 00-0548	EA	24 Watts, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	217.69	55.34
26 51 13 00-0549	EA	25 Watts, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	212.21	55.34
26 51 13 00-0550	EA	31 Watts, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	235.16	55.34
26 51 13 00-0551	EA	32 Watts, 19" Diameter, 3820 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	227.69	55.34
26 51 13 00-0552	EA	32 Watts, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	227.75	55.34
26 51 13 00-0553	EA	10 Watts, 19" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	189.38	55.34
26 51 13 00-0554	EA	17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	204.44	55.34
26 51 13 00-0555	EA	17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	200.76	55.34
26 51 13 00-0556	EA	18 Watts, 19" Diameter, 1910 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	200.70	55.34
26 51 13 00-0557	EA	24 Watts, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	217.69	55.34
26 51 13 00-0558	EA	25 Watts, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	212.21	55.34
26 51 13 00-0559	EA	31 Watts, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	235.16	55.34
26 51 13 00-0560	EA	32 Watts, 19" Diameter, 3820 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35)	227.69	55.34
26 51 13 00-0561	EA	32 Watts, 19" Diameter, 4240 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35)	227.75	55.34
26 51 13 00-0562	EA	10 Watts, 19" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40)	189.38	55.34
26 51 13 00-0563	EA	17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	204.44	55.34
26 51 13 00-0564	EA	17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	200.76	55.34
26 51 13 00-0565	EA	18 Watts, 19" Diameter, 2000 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40)	200.70	55.34
26 51 13 00-0566	EA	24 Watts, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	217.69	55.34
26 51 13 00-0567	EA	25 Watts, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	212.21	55.34
26 51 13 00-0568	EA	31 Watts, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	235.16	55.34
26 51 13 00-0569	EA	32 Watts, 19" Diameter, 4000 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40)	227.69	55.34
26 51 13 00-0570	EA	32 Watts, 19" Diameter, 4400 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40)	227.75	55.34
26 51 13 00-0571	EA	10 Watts, 19" Diameter, 1120 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50)	189.38	55.34
26 51 13 00-0572	EA	17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	204.44	55.34
26 51 13 00-0573	EA	17 Watts, 19" Diameter, 2240 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50)	200.76	55.34
26 51 13 00-0574	EA	18 Watts, 19" Diameter, 2010 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50)	200.70	55.34
26 51 13 00-0575	EA	24 Watts, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	217.69	55.34
26 51 13 00-0576	EA	25 Watts, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	212.21	55.34
26 51 13 00-0577	EA	31 Watts, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	235.16	55.34
26 51 13 00-0578	EA	32 Watts, 19" Diameter, 4020 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50)	227.69	55.34
26 51 13 00-0579	EA	32 Watts, 19" Diameter, 4480 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50)	227.75	55.34

26 51 13 00-0580 Refrigeration/Display LED Fixtures (26 51 13 00-0225)

26 51 13 00-0581 Refrigeration/Display LED Fixtures (Lithonia) (26 51 13 00-0580)

Note: Fixtures exclude driver.

26 51 13 00-0582	EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	299.01	54.30
26 51 13 00-0583	EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	393.19	96.13
26 51 13 00-0584	EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	378.12	76.90

26 51 13 00-0585 Recessed Fixtures (26 51 13)

Note: Housing and trim priced separately.

26 51 13 00-0586 Recessed Fixture Housings (26 51 13 00-0585)

Note: Lamps included in all prices. The housing insulation must be 3" from housing. ICT may be covered with insulation. Remodel housing may be installed from below ceiling. ICAT housing is air tight. Demo cost of housing includes demo of any fixture trim.

26 51 13 00-0587 Compact Fluorescent, Recessed Fixture Housings (26 51 13 00-0586)

26 51 13 00-0588	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	99.78	36.45
		For Remodel T Housing, Add	1.12	
		For ICAT Housing, Add	5.80	
26 51 13 00-0589	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	101.73	36.45
		For Remodel T Housing, Add	1.17	
		For ICAT Housing, Add	6.05	
26 51 13 00-0590	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	105.84	38.24
		For Remodel T Housing, Add	1.21	
		For ICAT Housing, Add	6.26	
26 51 13 00-0591	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	109.46	39.90
		For Remodel T Housing, Add	1.24	
		For ICAT Housing, Add	6.39	
26 51 13 00-0592	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	113.39	41.55
		For Remodel T Housing, Add	1.27	
		For ICAT Housing, Add	6.57	
26 51 13 00-0593	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	117.96	44.10
		For Remodel T Housing, Add	1.29	
		For ICAT Housing, Add	6.67	

26 51 13 00-0594 Fluorescent, Recessed Fixture Housings (26 51 13 00-0586)

26 51 13 00-0595	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing	91.24	36.45
		For Remodel T Housing, Add	0.91	
		For ICAT Housing, Add	4.70	
26 51 13 00-0596	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing	93.23	36.45
		For Remodel T Housing, Add	0.96	
		For ICAT Housing, Add	4.96	
26 51 13 00-0597	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing	97.27	38.11
		For Remodel T Housing, Add	1.00	
		For ICAT Housing, Add	5.15	
26 51 13 00-0598	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing	102.01	39.51
		For Remodel T Housing, Add	1.05	
		For ICAT Housing, Add	5.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0599	EA		8" Round, Fluorescent, T Or ICT Recessed Fixture Housing <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	106.33 1.10 5.66	41.55
26 51 13 00-0600	EA		10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	111.06 1.12 5.78	44.10
26 51 13 00-0601			High Pressure Sodium, Recessed Fixture Housings (26 51 13 00-0586)		
26 51 13 00-0602	EA		4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	102.59 1.19 6.16	36.70
26 51 13 00-0603	EA		5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	105.78 1.27 6.58	36.70
26 51 13 00-0604	EA		6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	110.98 1.34 6.92	38.24
26 51 13 00-0605	EA		7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	115.28 1.38 7.14	39.90
26 51 13 00-0606	EA		8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	119.53 1.43 7.36	41.55
26 51 13 00-0607	EA		10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	124.21 1.45 7.47	44.10
26 51 13 00-0608			Incandescent, Recessed Fixture Housings (26 51 13 00-0586)		
26 51 13 00-0609	EA		4" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	68.89 0.35 1.82	36.45
26 51 13 00-0610	EA		5" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	68.89 0.35 1.82	36.45
26 51 13 00-0611	EA		6" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	72.65 0.38 1.97	38.24
26 51 13 00-0612	EA		7" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	76.49 0.41 2.14	39.90
26 51 13 00-0613	EA		8" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	80.33 0.45 2.31	41.55
26 51 13 00-0614	EA		10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	83.41 0.43 2.21	44.10
26 51 13 00-0615			Recessed Fixture Trim (26 51 13 00-0585)		
26 51 13 00-0616	EA		Circular, Recessed Fixture Trim <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	44.19 0.35 1.82	17.85
26 51 13 00-0617	EA		Circular Clear Lens, Recessed Fixture Trim <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	47.38 0.35 1.82	17.85
26 51 13 00-0618	EA		Open/Baffle, Recessed Fixture Trim <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	52.91 0.35 1.82	17.85
26 51 13 00-0619	EA		Specular Reflector, Recessed Fixture Trim <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	55.84 0.35 1.82	17.85
26 51 13 00-0620	EA		Eyeball, Recessed Fixture Trim <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	47.43 0.35 1.82	17.85
26 51 13 00-0621	EA		10" To 12" Square, Clear Lens, Recessed Fixture Trim <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	45.71 0.35 1.82	17.85
26 51 13 00-0622	EA		10" To 12" Square, Drop Dish, Recessed Fixture Trim <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	47.68 0.35 1.82	17.85
26 51 13 00-0623			Ceiling Mounted Fixtures (26 51 13)		
26 51 13 00-0624			Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures (26 51 13 00-0623)		
26 51 13 00-0625			Glass Globe, Compact Fluorescent/Incandescent Fixtures (26 51 13 00-0624)		
26 51 13 00-0626	EA		6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	113.10 0.35 1.82	50.98
26 51 13 00-0627	EA		9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	125.63 0.35 1.82	50.98
26 51 13 00-0628			Ceiling Mounted, Circline Fluorescent Fixtures (26 51 13 00-0623)		
26 51 13 00-0629			Exposed Lamps, Circline Fluorescent Fixtures (26 51 13 00-0628)		
26 51 13 00-0630	EA		8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	103.88 0.35 1.82	50.98
26 51 13 00-0631	EA		12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	110.27 0.35 1.82	50.98
26 51 13 00-0632			Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures (26 51 13 00-0628)		
26 51 13 00-0633	EA		11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	129.71 0.35 1.82	50.98
26 51 13 00-0634	EA		14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	164.20 0.35 1.82	50.98
26 51 13 00-0635	EA		19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	188.09 0.35 1.82	50.98
26 51 13 00-0636	EA		12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	140.88 0.35 1.82	50.98
26 51 13 00-0637	EA		15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	164.90 0.35 1.82	50.98
26 51 13 00-0638	EA		19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	188.09 0.35 1.82	50.98
26 51 13 00-0639			Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures (26 51 13 00-0623)		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0640					Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures (26 51 13 00-0639)		
26 51 13 00-0641	EA				11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	132.69	50.98
26 51 13 00-0642	EA				14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	155.99	50.98
26 51 13 00-0643	EA				19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	177.46	50.98
26 51 13 00-0644	EA				12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	114.68	50.98
26 51 13 00-0645	EA				15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	127.84	50.98
26 51 13 00-0646	EA				19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	152.77	50.98
26 51 13 00-0647					Pendant Mounted, Compact Fluorescent/Incandescent Downlights (26 51 13 00-0623)		
26 51 13 00-0648					Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights (26 51 13 00-0647)		
26 51 13 00-0649	EA				6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight.....	170.51	41.88
26 51 13 00-0650					Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle (26 51 13 00-0647)		
26 51 13 00-0651	EA				6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	189.58	41.88
26 51 13 00-0652	EA				8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	251.11	41.88
26 51 13 00-0653					Track Lighting (26 51 13)		
26 51 13 00-0654					Track Lighting Tracks (26 51 13 00-0653)		
26 51 13 00-0655	LF				1 Circuit Track Lighting Track.....	25.52	8.41
26 51 13 00-0656	LF				2 Circuit Track Lighting Track.....	32.93	8.41
26 51 13 00-0657	LF				3 Circuit Track Lighting Track.....	39.30	8.41
26 51 13 00-0658	LF				4 Circuit Track Lighting Track.....	45.66	10.19
26 51 13 00-0659					Track Lighting Fixtures (26 51 13 00-0653)		
26 51 13 00-0660					Compact Fluorescent Track Lighting Fixtures (26 51 13 00-0659)		
26 51 13 00-0661	EA				Compact Fluorescent Track Lighting Fixture.....	61.99	21.28
26 51 13 00-0662					Fluorescent Track Lighting Fixtures (26 51 13 00-0659)		
26 51 13 00-0663	EA				2L 39W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	308.12	21.28
26 51 13 00-0664	EA				2L 40W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	316.41	21.28
26 51 13 00-0665	EA				2L 50W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	280.57	21.28
26 51 13 00-0666	EA				2L, 55 Watt BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	356.84	21.28
26 51 13 00-0667					Metal Halide Track Lighting Fixtures (26 51 13 00-0659)		
26 51 13 00-0668	EA				Metal Halide Track Lighting Fixture.....	64.58	21.28
26 51 13 00-0669					Incandescent Track Lighting Fixtures (26 51 13 00-0659)		
26 51 13 00-0670	EA				Incandescent Track Lighting Fixture.....	55.55	21.28
26 51 13 00-0671	EA				Par 20 Track Fixture, White Or Black Finish, 120 Volt.....	75.18	21.28
26 51 13 00-0672	EA				Par 30 Track Fixture, White Or Black Finish, 120 Volt.....	108.62	21.28
26 51 13 00-0673	EA				Par 38 Track Fixture, White Or Black Finish, 120 Volt.....	111.93	21.28
26 51 13 00-0674	EA				PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	90.31	21.28
26 51 13 00-0675	EA				PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	75.18	21.28
26 51 13 00-0676	EA				PAR 30, Baffled Cylinder Track Fixture, White or Black Finish..... Note: 120V.	88.72	21.28
26 51 13 00-0677	EA				PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	115.25	21.28
26 51 13 00-0678					LED Track Lighting Fixtures (26 51 13 00-0659)		
26 51 13 00-0679	EA				19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™).....	226.83	21.28
26 51 13 00-0680	EA				18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED).....	396.61	21.28
26 51 13 00-0681	EA				24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33).....	233.28	21.28
26 51 13 00-0682					Track Lighting Accessories (26 51 13 00-0653)		
26 51 13 00-0683					Pendant Mounting (26 51 13 00-0682)		
26 51 13 00-0684	EA				Track Lighting Pendant Mounting, Up to 12".....	32.16	
26 51 13 00-0685	EA				Track Lighting Pendant Mounting, >12" To 24".....	42.09	
26 51 13 00-0686	EA				Track Lighting Pendant Mounting, >24" To 36".....	51.56	
26 51 13 00-0687					Wet Location, Dust Resistant, Vapor Tight Fixtures (26 51 13)		
26 51 13 00-0688					Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0687)		

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

26 51 13 00-0689			Incandescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0688)</small>		
26 51 13 00-0690	EA		100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	163.64	50.98
			<i>For Wall Mounted, Add</i>	5.10	
26 51 13 00-0691	EA		200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	191.15	50.98
			<i>For Wall Mounted, Add</i>	5.10	
26 51 13 00-0692			Compact Fluorescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0688)</small>		
26 51 13 00-0693	EA		13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	177.84	50.98
			<i>For Wall Mounted, Add</i>	6.02	
26 51 13 00-0694	EA		22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	183.25	50.98
			<i>For Wall Mounted, Add</i>	6.02	
26 51 13 00-0695	EA		28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	196.63	50.98
			<i>For Wall Mounted, Add</i>	6.02	
26 51 13 00-0696			Metal Halide, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0688)</small>		
26 51 13 00-0697	EA		75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	224.91	50.98
			<i>For Wall Mounted, Add</i>	6.30	
26 51 13 00-0698	EA		100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	232.51	50.98
			<i>For Wall Mounted, Add</i>	6.30	
26 51 13 00-0699	EA		150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	247.93	50.98
			<i>For Wall Mounted, Add</i>	6.30	
26 51 13 00-0700	EA		175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	271.12	50.98
			<i>For Wall Mounted, Add</i>	6.30	
26 51 13 00-0701			High Pressure Sodium, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0688)</small>		
26 51 13 00-0702	EA		70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	206.84	50.98
			<i>For Wall Mounted, Add</i>	6.67	
26 51 13 00-0703	EA		100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	216.27	50.98
			<i>For Wall Mounted, Add</i>	6.67	
26 51 13 00-0704	EA		150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	252.73	50.98
			<i>For Wall Mounted, Add</i>	6.67	
26 51 13 00-0705			Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 13 00-0687)</small>		
26 51 13 00-0706			4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 13 00-0705)</small>		
26 51 13 00-0707			4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) <small>(26 51 13 00-0706)</small>		
			Note: Includes high impact acrylic molded lens.		
26 51 13 00-0708	EA		1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	182.70	54.30
			<i>For T5 Fixture Instead Of T8, Add</i>	11.58	
26 51 13 00-0709	EA		2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	189.19	54.30
			<i>For T5 Fixture Instead Of T8, Add</i>	12.32	
26 51 13 00-0710	EA		3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	270.25	54.30
			<i>For T5 Fixture Instead Of T8, Add</i>	21.60	
26 51 13 00-0711	EA		1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	242.28	54.30
26 51 13 00-0712	EA		2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	362.90	54.30
26 51 13 00-0713			4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) <small>(26 51 13 00-0706)</small>		
			Note: Includes high impact acrylic molded lens.		
26 51 13 00-0714	EA		1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	236.40	54.30
26 51 13 00-0715	EA		2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	238.27	54.30
26 51 13 00-0716	EA		3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	332.02	54.30
26 51 13 00-0717	EA		1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	281.96	54.30
26 51 13 00-0718	EA		2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	293.24	54.30
26 51 13 00-0719			8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 13 00-0705)</small>		
			Note: Includes high impact acrylic molded lens.		
26 51 13 00-0720			8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) <small>(26 51 13 00-0719)</small>		
			Note: Includes high impact acrylic molded lens.		
26 51 13 00-0721	EA		2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	320.45	73.75
			<i>For T5 Fixture Instead Of T8, Add</i>	24.02	
26 51 13 00-0722	EA		4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	330.62	73.75
			<i>For T5 Fixture Instead Of T8, Add</i>	25.18	
26 51 13 00-0723			Large Interior Area Fixtures <small>(26 51 13)</small>		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0724			Recessed Mounted, Large Interior Area Fixtures (26 51 13 00-0723) Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 13 00-0725			High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures (26 51 13 00-0724)		
26 51 13 00-0726	EA		150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	326.23	135.87
			For Polycarbonate Lens, Add	47.79	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0727	EA		250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	342.19	144.28
			For Polycarbonate Lens, Add	47.79	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0728	EA		400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	369.85	164.67
			For Polycarbonate Lens, Add	47.79	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0729			Metal Halide, Recessed Mounted, Large Interior Area Fixtures (26 51 13 00-0724)		
26 51 13 00-0730	EA		150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	331.34	135.87
			For Polycarbonate Lens, Add	47.79	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0731	EA		250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	344.20	144.28
			For Polycarbonate Lens, Add	47.79	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0732	EA		400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	377.19	164.67
			For Polycarbonate Lens, Add	47.79	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0733			Low Bay Fixtures, Large Interior Area Fixtures (26 51 13 00-0723) Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 13 00-0734			High Pressure Sodium, Low Bay Fixtures (26 51 13 00-0733)		
26 51 13 00-0735	EA		150 Watt High Pressure Sodium, Low Bay Fixture	387.23	124.21
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0736	EA		250 Watt High Pressure Sodium, Low Bay Fixture	400.06	131.90
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0737	EA		400 Watt High Pressure Sodium, Low Bay Fixture	429.93	150.54
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0738			Metal Halide, Low Bay Fixtures (26 51 13 00-0733)		
26 51 13 00-0739	EA		175 Watt Metal Halide, Low Bay Fixture	386.79	124.21
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0740	EA		250 Watt Metal Halide, Low Bay Fixture	399.21	131.90
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0741	EA		400 Watt Metal Halide, Low Bay Fixture	434.69	150.54
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0742	EA		175 Watt Pulse Start Metal Halide Low Bay Fixture (Holophane Enduralume V)	691.19	58.63
			Note: Includes a glass refractor.		
			For Acrylic Lens, Add	70.00	
26 51 13 00-0743			High Bay Fixtures, Large Interior Area Fixtures (26 51 13 00-0723) Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51 13 00-0744			High Pressure Sodium, High Bay Fixtures (26 51 13 00-0743) Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0745	EA		250 Watt High Pressure Sodium, High Bay Fixture	363.70	131.90
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51 13 00-0746	EA		400 Watt High Pressure Sodium, High Bay Fixture	397.41	150.54
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51 13 00-0747	EA		1,000 Watt High Pressure Sodium, High Bay Fixture	548.76	158.35
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51 13 00-0748			Metal Halide, High Bay Fixtures <small>(26 51 13 00-0743)</small>		
			Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 13 00-0749	EA		250 Watt Metal Halide, High Bay Fixture	345.78	131.90
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51 13 00-0750	EA		400 Watt Metal Halide, High Bay Fixture	381.12	150.54
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51 13 00-0751	EA		1,000 Watt Metal Halide, High Bay Fixture	482.13	158.35
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51 13 00-0752			Fluorescent Linear High Bay (Lightron) <small>(26 51 13 00-0743)</small>		
			Note: Includes steel housing with powder coated finish, aluminum reflector and solid-state electronic ballast.		
26 51 13 00-0753	EA		4' Length, 2 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	265.59	58.63
26 51 13 00-0754	EA		4' Length, 3 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	311.00	58.63
26 51 13 00-0755	EA		4' Length, 4 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	346.21	58.63
26 51 13 00-0756	EA		4' Length, 6 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	404.25	58.63
26 51 13 00-0757	EA		4' Length, 8 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	546.13	58.63
26 51 13 00-0758			(T8) Fluorescent, High Bay Fixtures <small>(26 51 13 00-0743)</small>		
26 51 13 00-0759			(T8) Fluorescent, High Bay Fixtures (Lithonia) <small>(26 51 13 00-0758)</small>		
			Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 13 00-0760	EA		2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	360.50	118.85
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 13 00-0761	EA		3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	381.18	131.67
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 13 00-0762	EA		4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	432.58	150.31
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 13 00-0763	EA		6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	503.29	158.35
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0764	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	542.26	165.69
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0765	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	444.01	150.31
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0766	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	460.99	158.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0767	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	529.08	165.69
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0768		(T5HO) Fluorescent, High Bay Fixtures (26 51 13 00-0743)		
26 51	13 00-0769		(T5HO) Fluorescent, High Bay Fixtures (Lithonia) (26 51 13 00-0768)		
			Note: For 8' fixture, use two (2) 4' fixtures.		
26 51	13 00-0770	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	368.33	118.85
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0771	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	391.40	131.67
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0772	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	447.26	150.31
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0773	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	528.12	158.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0774	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	481.78	150.31
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0775	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	531.86	158.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0776	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	626.72	165.69
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0777		Induction, High Bay Fixtures (26 51 13 00-0743)		
26 51	13 00-0778		Induction, High Bay Fixtures (Everlast®) (26 51 13 00-0777)		
			Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51	13 00-0779	EA	100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	521.86	115.35
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51	13 00-0780	EA	120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	561.25	119.20
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51	13 00-0781	EA	150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	571.71	123.05
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51	13 00-0782	EA	200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	625.00	126.89
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51	13 00-0783	EA	250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	641.24	130.74
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51	13 00-0784	EA	100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	562.38	115.35
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51	13 00-0785	EA	120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	601.76	119.20
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51	13 00-0786	EA	150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	612.22	123.05
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51	13 00-0787	EA	200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	665.51	126.89
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51	13 00-0788	EA	250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	681.75	130.74
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51	13 00-0789		LED, High Bay Fixtures (26 51 13 00-0743)		
26 51	13 00-0790		LED High Bay Fixtures (Lithonia IBL) (26 51 13 00-0789)		
			Note: Includes aluminum alloy chassis.		
26 51	13 00-0791	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L).....	667.73	128.17
26 51	13 00-0792	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L).....	725.61	128.17
26 51	13 00-0793	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L).....	881.87	128.17
26 51	13 00-0794	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L).....	944.38	128.17
26 51	13 00-0795		LED High Bay Fixtures (PlanLED) (26 51 13 00-0789)		

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

26 51 13 00-0796			LED High Bay Fixtures (PlanLED LUNA) <small>(26 51 13 00-0795)</small> Note: Includes aluminum alloy chassis.		
26 51 13 00-0797	EA		7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	640.42	128.17
26 51 13 00-0798	EA		9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	706.00	128.17
26 51 13 00-0799	EA		13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	800.85	128.17
26 51 13 00-0800	EA		16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	893.35	128.17
26 51 13 00-0801			LED High Bay Fixtures (PlanLED IBL) <small>(26 51 13 00-0795)</small> Note: Includes aluminum alloy chassis.		
26 51 13 00-0802	EA		13,650 Lumens, 130 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W).....	687.26	128.17
			<i>For 480 Volt, Add</i>	32.40	
26 51 13 00-0803	EA		21,000 Lumens, 200 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W).....	915.60	128.17
			<i>For 480 Volt, Add</i>	40.95	
26 51 13 00-0804	EA		42,000 Lumens, 400 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W).....	1,544.41	128.17
			<i>For 480 Volt, Add</i>	64.74	
26 51 13 00-0805			LED High Bay Fixtures (PlanLED SEGA) <small>(26 51 13 00-0795)</small> Note: Includes aluminum alloy chassis.		
26 51 13 00-0806	EA		10,400 Lumens, 80 System Watts, LED High Bay Fixture (PlanLED SEGA SE080).....	564.31	128.17
			<i>For 0 To 10 Volt Dimming, Add</i>	50.17	
26 51 13 00-0807	EA		13,000 Lumens, 100 System Watts, LED High Bay Fixture (PlanLED SEGA SE100).....	595.93	128.17
			<i>For 0 To 10 Volt Dimming, Add</i>	50.17	
26 51 13 00-0808	EA		16,900 Lumens, 130 System Watts, LED High Bay Fixture (PlanLED SEGA SE130).....	704.83	128.17
			<i>For 0 To 10 Volt Dimming, Add</i>	50.17	
26 51 13 00-0809	EA		20,800 Lumens, 160 System Watts, LED High Bay Fixture (PlanLED SEGA SE160).....	783.28	128.17
			<i>For 0 To 10 Volt Dimming, Add</i>	50.17	
26 51 13 00-0810	EA		50,000 Lumens, 400 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE400)	1,361.74	128.17
26 51 13 00-0811	EA		57,040 Lumens, 500 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE500)	1,464.78	128.17
26 51 13 00-0812	EA		80,000 Lumens, 640 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE640)	2,172.32	128.17
26 51 13 00-0813			Ceiling Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0723)</small> Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 13 00-0814			High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0813)</small>		
26 51 13 00-0815	EA		100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	300.61	88.33
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 13 00-0816	EA		150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	439.89	88.33
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 13 00-0817	EA		250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	501.33	88.33
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 13 00-0818	EA		400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	659.96	88.33
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 13 00-0819			Metal Halide, Ceiling Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0813)</small>		
26 51 13 00-0820	EA		100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	361.58	88.33
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 13 00-0821	EA		175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	387.73	98.01
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 13 00-0822	EA		250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	414.49	106.17
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 13 00-0823	EA		400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	455.68	126.43
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 13 00-0824			Other Fixtures <small>(26 51 13)</small>		
26 51 13 00-0825			Vandal Proof, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0824)</small> Note: 16 gauge welded steel body with powder coated finish, polycarbonate lens, and tamper resistant screws.		
26 51 13 00-0826			6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0825)</small>		
26 51 13 00-0827	EA		1 T8 Lamp, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	139.12	36.47
26 51 13 00-0828	EA		2 T8 Lamps, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	160.30	36.47
26 51 13 00-0829			6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0825)</small>		
26 51 13 00-0830	EA		1 T8 Lamp, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	148.27	37.98

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 51 13 00-0831	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	170.59		37.98
26 51 13 00-0832		8-1/4" x 2', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0825)</small>			
26 51 13 00-0833	EA	8-1/4" x 2', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	233.87		58.63
26 51 13 00-0834	EA	8-1/4" x 2', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	243.27		58.63
26 51 13 00-0835		8-1/4" x 4', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0825)</small>			
26 51 13 00-0836	EA	8-1/4" x 4', 1 T8 Lamp, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	262.08		58.63
26 51 13 00-0837	EA	8-1/4" x 4', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	270.14		58.63
26 51 13 00-0838	EA	8-1/4" x 4', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	280.88		58.63
26 51 13 00-0839		1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0825)</small>			
26 51 13 00-0840	EA	2 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	166.77		40.32
26 51 13 00-0841	EA	3 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	192.09		40.32
26 51 13 00-0842	EA	4 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	204.48		40.32
26 51 13 00-0843		1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0825)</small>			
26 51 13 00-0844	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	177.29		42.65
26 51 13 00-0845	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	203.92		42.65
26 51 13 00-0846	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	216.52		42.65
26 51 13 00-0847		Interior Lighting Accessories <small>(26 51 13)</small>			
26 51 13 00-0848	LF	For Each Additional LF Of Interior Lighting Wire Whip, Add	1.02		
		Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.			
26 51 13 00-0849		Lighting Accessories <small>(26 51 13)</small>			
26 51 13 00-0850		Modular Flexible Wiring Systems <small>(26 51 13 00-0849)</small>			
26 51 13 00-0851	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	68.71		6.88
26 51 13 00-0852	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	76.31		6.88
26 51 13 00-0853	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	90.50		6.88
26 51 13 00-0854	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	76.31		6.88
26 51 13 00-0855	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	74.75		6.88
26 51 13 00-0856	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	103.34		6.88
26 51 13 00-0857	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	60.46		6.88
26 51 13 00-0858	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	66.79		6.88
26 51 13 00-0859	EA	7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	79.88		6.88
26 51 13 00-0860	EA	7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	79.88		6.88
26 51 13 00-0861	EA	7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	81.07		6.88
26 51 13 00-0862	EA	7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	80.63		6.88
26 51 13 00-0863	EA	7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	80.63		6.88
26 51 13 00-0864	EA	15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	91.28		6.88
26 51 13 00-0865	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	47.00		6.88
26 51 13 00-0866	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	44.51		6.88
26 51 13 00-0867	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	45.38		6.88
26 51 13 00-0868	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	54.59		6.88
26 51 13 00-0869	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	68.71		6.88
26 51 13 00-0870	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	70.21		6.88
26 51 13 00-0871	EA	Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	56.88		6.88
26 51 13 00-0872	EA	3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	44.51		6.88
26 51 13 00-0873	EA	Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning	57.35		
26 51 13 00-0874		Removal And Reinstallation Of Light Fixtures <small>(26 51 13)</small>			
		Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.			
26 51 13 00-0875	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture	135.75		
26 51 13 00-0876	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture	155.14		
26 52 Safety Lighting <small>(26 50)</small>					
26 52 00 00-0001		Commercial Emergency Lights <small>(26 52)</small>			
26 52 00 00-0002		Polycarbonate Housing, Commercial Emergency Lights <small>(26 52 00 00-0001)</small>			
		Note: Includes lead-calcium batteries and two adjustable lamp heads.			
26 52 00 00-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	166.15		31.87
26 52 00 00-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	123.11		31.87
		For Halogen Lamps, Add	27.55		
		For Self-Diagnostics, Add	87.50		

Electrical	26	26
Lighting	26 50	
Safety Lighting	26 52	

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

26 52 00 00-0005	EA		18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	179.44	31.87
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0006	EA		27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	204.94	31.87
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0007	EA		54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	292.59	31.87
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0008	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	328.16	31.87
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0009	EA		72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	466.77	31.87
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0010			Remote Heads For Commercial Emergency Lights <small>(26 52 00 00-0001)</small>		
			Note: For use with fixtures that have remote capability.		
26 52 00 00-0011	EA		6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	110.40	19.12
26 52 00 00-0012	EA		6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	111.04	19.12
26 52 00 00-0013	EA		8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)	113.19	19.12
26 52 00 00-0014	EA		12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	112.84	19.12
26 52 00 00-0015	EA		12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	99.63	19.12
26 52 00 00-0016	EA		12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	73.40	19.12
26 52 00 00-0017			Industrial Emergency Lights <small>(26 52)</small>		
26 52 00 00-0018			Painted Steel Housing, Industrial Emergency Lights <small>(26 52 00 00-0017)</small>		
26 52 00 00-0019			Painted Steel Housing, Industrial Emergency Lights <small>(26 52 00 00-0018)</small>		
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0020	EA		16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	273.23	31.87
			<i>For Wireguard, Add</i>	126.05	
26 52 00 00-0021	EA		24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	233.42	31.87
			<i>For Wireguard, Add</i>	126.05	
26 52 00 00-0022	EA		36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	349.75	31.87
			<i>For Wireguard, Add</i>	126.05	
26 52 00 00-0023	EA		50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)	369.83	31.87
			<i>For Wireguard, Add</i>	126.05	
26 52 00 00-0024	EA		125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125)	517.06	31.87
			<i>For Wireguard, Add</i>	134.25	
26 52 00 00-0025	EA		275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275)	798.72	31.87
			<i>For Wireguard, Add</i>	134.25	
26 52 00 00-0026			Remote Heads For Painted Steel Housing, Industrial Emergency Lights <small>(26 52 00 00-0018)</small>		
			Note: For use with fixtures that have remote capability.		
26 52 00 00-0027	EA		8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806)	88.52	19.12
			<i>For Wireguard, Add</i>	101.72	
26 52 00 00-0028	EA		12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	91.02	19.12
			<i>For Wireguard, Add</i>	101.72	
26 52 00 00-0029	EA		8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	88.87	19.12
			<i>For Wireguard, Add</i>	101.72	
26 52 00 00-0030	EA		12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212)	89.28	19.12
			<i>For Wireguard, Add</i>	101.72	
26 52 00 00-0031	EA		12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512)	91.02	19.12
			<i>For Wireguard, Add</i>	101.72	
26 52 00 00-0032	EA		12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512)	103.71	19.12
			<i>For Wireguard, Add</i>	101.72	
26 52 00 00-0033			Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0017)</small>		
26 52 00 00-0034			Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0033)</small>		
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		

26 Electrical**26 50 Lighting****26 52 Safety Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 52 00 00-0035	EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	270.03	31.87
	<i>For Wireguard, Add</i>	122.56	
	<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0036	EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	291.27	31.87
	<i>For Wireguard, Add</i>	122.56	
	<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0037	EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	285.45	31.87
	<i>For Wireguard, Add</i>	122.56	
	<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0038	EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	300.29	31.87
	<i>For Wireguard, Add</i>	122.56	
	<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0039	EA 100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	488.26	31.87
	<i>For Wireguard, Add</i>	122.56	
	<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0040	EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	389.03	31.87
	<i>For Wireguard, Add</i>	122.56	
	<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0041	EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	432.68	31.87
	<i>For Wireguard, Add</i>	122.56	
	<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0042	EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	454.79	31.87
	<i>For Wireguard, Add</i>	122.56	
	<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0043	Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0033)</small> Note: For use with fixtures that have remote capability.		
26 52 00 00-0044	EA 9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	78.92	19.12
26 52 00 00-0045	EA 12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	83.98	19.12
26 52 00 00-0046	EA 9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	78.98	19.12
26 52 00 00-0047	EA 12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	82.70	19.12
26 52 00 00-0048	EA 12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	73.13	19.12
26 52 00 00-0049	Outdoor Emergency Lights <small>(26 52)</small>		
26 52 00 00-0050	Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights <small>(26 52 00 00-0049)</small> Note: Includes nickel-cadmium batteries.		
26 52 00 00-0051	EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	410.28	31.87
26 52 00 00-0052	EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	484.47	31.87
26 52 00 00-0053	Recessed Emergency Lights <small>(26 52)</small>		
26 52 00 00-0054	EA 10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	443.09	31.87
	<i>For Wire Guard, Add</i>	60.00	
26 52 00 00-0055	EA 16 Watts At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	383.64	63.73
	Note: Includes lead-calcium batteries and two adjustable lamp heads.		
	<i>For Wireguard, Add</i>	134.25	
26 52 00 00-0056	EA 50 Watts At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	527.45	63.73
	Note: Includes lead-calcium batteries and two adjustable lamp heads.		
	<i>For Wireguard, Add</i>	134.25	
26 52 00 00-0057	Square Wraparound Emergency Lights <small>(26 52)</small>		
26 52 00 00-0058	EA 10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	216.28	31.87
26 53	Exit Signs <small>(26 50)</small> Note: Excludes pendants.		
26 53 00 00-0001	LED Exit Signs <small>(26 53)</small> Note: Includes red LED lamps.		
26 53 00 00-0002	EA Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	152.09	46.59
	<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0003	EA Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	152.09	46.59
	<i>For Green LED Lamps, Add</i>	15.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 53 00 00-0004	EA		Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN) <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	196.17 15.00 50.00	46.59
26 53 00 00-0005	EA		Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN) <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	196.17 15.00 50.00	46.59
26 53 00 00-0006	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)..... <i>For Green LED Lamps, Add</i>	211.92 15.00	46.59
26 53 00 00-0007	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC) <i>For Green LED Lamps, Add</i>	234.89 15.00	46.59
26 53 00 00-0008	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)..... <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	202.32 15.00 50.00	46.59
26 53 00 00-0009	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN) <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	218.99 15.00 50.00	46.59
26 53 00 00-0010	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM) Note: Includes two circular side mounted krypton emergency lights. <i>For Green LED Lamps, Add</i>	261.31 15.00	46.59
26 53 00 00-0011	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED) Note: Includes two circular side mounted LED emergency lights. <i>For Green LED Lamps, Add</i>	346.95 15.00	46.59
26 53 00 00-0012	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH) Note: Includes two rectangular front mounted high intensity tungsten emergency lights. <i>For Green LED Lamps, Add</i>	313.48 15.00	46.59
26 53 00 00-0013	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM)..... Note: Includes two circular side mounted PAR 36 emergency lights. <i>For Green LED Lamps, Add</i>	325.59 15.00	46.59
26 53 00 00-0014			Edge-Lit LED Exit Signs (26 53) Note: Includes red LED lamps.		
26 53 00 00-0015	EA		Single Face, Edge-Lit LED Exit Sign <i>For Green LED Lamps, Add</i>	279.29 40.00	46.59
26 53 00 00-0016	EA		Double Face, Edge-Lit LED Exit Sign <i>For Green LED Lamps, Add</i>	296.80 40.00	46.59
26 53 00 00-0017	EA		Single Face, Edge-Lit LED Exit Sign With Battery Back-Up <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	333.35 40.00 50.00	46.59
26 53 00 00-0018	EA		Double Face, Edge-Lit LED Exit Sign With Battery Back-Up <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	346.25 40.00 50.00	46.59
26 53 00 00-0019			Self-Luminous Tritium Exit Signs (26 53) Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 53 00 00-0020	EA		10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	365.52	46.59
26 53 00 00-0021	EA		10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	637.57	46.59
26 53 00 00-0022	EA		20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	427.49	46.59
26 53 00 00-0023	EA		20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	687.33	46.59
26 53 00 00-0024	EA		10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	396.36	46.59
26 53 00 00-0025	EA		10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	687.33	46.59
26 53 00 00-0026	EA		20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	476.96	46.59
26 53 00 00-0027	EA		20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	843.29	46.59
26 53 00 00-0028			Vandal-Resistant LED Exit Signs (26 53) Note: Includes red LED lamps.		
26 53 00 00-0029	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign.....	347.19	46.59
26 53 00 00-0030	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	515.66	46.59
26 53 00 00-0031	EA		Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup.....	618.95	46.59
26 53 00 00-0032			Remove And Reinstall Exit Light Fixture (26 53)		
26 53 00 00-0033	EA		Removal And Reinstall Of Exit Light Fixtures Note: Includes storage and cleaning.	95.59	
26 53 00 00-0034			Exit Sign Accessories (26 53)		
26 53 00 00-0035	EA		Polycarbonate Vandal Shield For Exit Signs.....	83.69	12.76
26 53 00 00-0036	EA		Wire Guard For Exit Signs Or Emergency Lights.....	53.61	12.76
26 53 00 00-0037	EA		Replacement Battery For Exit Signs	86.54	15.95
26 55			Special Purpose Lighting (26 50)		
26 55 63			Detention Lighting (26 55)		
26 55 63 00-0001			Maximum Security Recessed Luminaire (26 55 63) Note: Cooper Lighting Fail-Safe FMR Series.		
26 55 63 00-0002	EA		12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	646.58	41.91

26 Electrical**26 50 Lighting****26 55 Special Purpose Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 63 00-0003	EA		12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire.....707.43 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	707.43	41.91
26 55 63 00-0004	EA		24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire .....636.90 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	636.90	50.30
26 55 63 00-0005	EA		24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire .....846.61 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	846.61	58.70
26 55 63 00-0006	EA		24" x 48", Three 32 Watt, T8 Lamps, 14 Gauge Fluorescent, Maximum Security Recessed Luminaire.....849.28 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	849.28	58.70
26 55 63 00-0007	EA		24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire.....851.96 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	851.96	58.70
26 55 63 00-0008	EA		12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire .....646.58 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	646.58	41.91
26 55 63 00-0009	EA		12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire.....736.52 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	736.52	41.91
26 55 63 00-0010	EA		24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire .....665.99 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	665.99	50.31
26 55 63 00-0011	EA		24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire .....759.34 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	759.34	58.70
26 55 63 00-0012	EA		24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire.....762.01 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	762.01	58.70
26 55 63 00-0013	EA		24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire.....764.69 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	764.69	58.70
26 55 63 00-0014	EA		12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire .....573.85 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	573.85	41.91
26 55 63 00-0015	EA		12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire.....576.53 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	576.53	41.91
26 55 63 00-0016	EA		24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire .....695.08 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	695.08	50.30
26 55 63 00-0017	EA		24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire .....817.52 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	817.52	58.70
26 55 63 00-0018	EA		24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire.....826.01 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	826.01	58.70
26 55 63 00-0019	EA		24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire.....828.69 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	828.69	58.70
26 55 63 00-0020			Maximum Security Surface Luminaire <small>(26 55 63)</small> Note: Cooper Lighting Fail-Safe FUS Series.		
26 55 63 00-0021	EA		12" x 24", Two 32 Watt, T8 Fluorescent Lamps, 12 Gauge, Maximum Security Surface Luminaire .....588.40 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	588.40	41.91
26 55 63 00-0022	EA		12" x 24", Three 32 Watt, T8 Fluorescent Lamps, 12 Gauge, Maximum Security Surface Luminaire .....721.98 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	721.98	41.91
26 55 63 00-0023	EA		12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire.....559.31 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	559.31	41.91
26 55 63 00-0024	EA		12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire .....561.98 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	561.98	41.91
26 55 63 00-0025	EA		16" x 24", Two 17 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire.....564.17 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	564.17	50.30
26 55 63 00-0026	EA		16" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire.....680.24 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	680.24	54.50
26 55 63 00-0027	EA		16" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire .....697.46 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	697.46	54.50
26 55 63 00-0028	EA		16" x 48", Four 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire .....700.14 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	700.14	54.50
26 55 63 00-0029			Ultimax Security Surface Luminaire <small>(26 55 63)</small> Note: Cooper Lighting Fail-Safe FMS Series.		
26 55 63 00-0030	EA		12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire .....530.22 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	530.22	41.91
26 55 63 00-0031	EA		12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire .....678.34 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	678.34	41.91

Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

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

26 55 63 00-0032	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire	593.26	50.30
Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.				
26 55 63 00-0033	EA	24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire	613.89	58.70
Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.				
26 55 63 00-0034	EA	24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire.....	616.56	58.70
Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.				
26 55 63 00-0035	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire.....	619.24	58.70
Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.				

26 55 63 00-0036 Maximum Security Wall Luminaire (26 55 63)

Note: Cooper Lighting Fail-Safe FMW Series.				
26 55 63 00-0037	EA	10-1/2" x 48", Two 32 Watt, T8 Fluorescent Lamps, 1 Up, 1 Down, 14 Gauge, Maximum Security Wall Luminaire	704.76	42.06
Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.				
26 55 63 00-0038	EA	10-1/2" x 48", Three 32 Watt, T8 Fluorescent Lamps, 1 Up, 2 Down, 14 Gauge, Maximum Security Wall Luminaire.....	707.43	42.06
Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.				
26 55 63 00-0039	EA	10-1/2" x 48", Four 32 Watt, T8 Fluorescent Lamps, 2 Up, 2 Down, 14 Gauge, Maximum Security Wall Luminaire.....	710.11	42.06
Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.				

26 56 Exterior Lighting (26 50)

26 56 13 Lighting Poles And Standards (26 56)

26 56 13 00-0001		Standards And Arms <small>(26 56 13)</small>		
Note: As manufactured by Hapco Aluminum Pole Products.				
26 56 13 00-0002		Roadway Light Poles <small>(26 56 13 00-0001)</small>		
Note: Excludes lighting fixtures.				
26 56 13 00-0003		Steel Roadway Light Poles <small>(26 56 13 00-0002)</small>		
Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).				
26 56 13 00-0004		Round Tapered, Steel Roadway Light Poles <small>(26 56 13 00-0003)</small>		
26 56 13 00-0005		Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0006		Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0005)</small>		
26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,372.17	398.45
For Galvanized Finish, Add			77.26	
For >10 To 20, Deduct			-84.30	
For >20 To 40, Deduct			-168.61	
For >40, Deduct			-272.84	
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,378.53	398.45
For Galvanized Finish, Add			77.45	
For >10 To 20, Deduct			-84.46	
For >20 To 40, Deduct			-168.93	
For >40, Deduct			-273.31	
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,681.88	531.27
For Galvanized Finish, Add			78.58	
For >10 To 20, Deduct			-92.05	
For >20 To 40, Deduct			-184.09	
For >40, Deduct			-302.70	
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,758.41	531.27
For Galvanized Finish, Add			80.88	
For >10 To 20, Deduct			-93.96	
For >20 To 40, Deduct			-187.92	
For >40, Deduct			-308.44	
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,834.95	531.27
For Galvanized Finish, Add			83.17	
For >10 To 20, Deduct			-95.87	
For >20 To 40, Deduct			-191.75	
For >40, Deduct			-314.18	
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,983.89	597.68
For Galvanized Finish, Add			83.66	
For >10 To 20, Deduct			-99.60	
For >20 To 40, Deduct			-199.19	
For >40, Deduct			-328.68	
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,020.18	597.68
For Galvanized Finish, Add			84.74	
For >10 To 20, Deduct			-100.50	
For >20 To 40, Deduct			-201.01	
For >40, Deduct			-331.40	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,027.09	597.68
		<i>For Galvanized Finish, Add</i>	84.95	
		<i>For >10 To 20, Deduct</i>	-100.68	
		<i>For >20 To 40, Deduct</i>	-201.35	
		<i>For >40, Deduct</i>	-331.92	
26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,222.34	630.88
		<i>For Galvanized Finish, Add</i>	88.82	
		<i>For >10 To 20, Deduct</i>	-105.56	
		<i>For >20 To 40, Deduct</i>	-211.12	
		<i>For >40, Deduct</i>	-348.22	
26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,249.76	630.88
		<i>For Galvanized Finish, Add</i>	89.64	
		<i>For >10 To 20, Deduct</i>	-106.24	
		<i>For >20 To 40, Deduct</i>	-12.49	
		<i>For >40, Deduct</i>	-350.28	
26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,279.69	630.88
		<i>For Galvanized Finish, Add</i>	90.54	
		<i>For >10 To 20, Deduct</i>	-106.99	
		<i>For >20 To 40, Deduct</i>	-213.98	
		<i>For >40, Deduct</i>	-352.52	
26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,882.29	664.08
		<i>For Galvanized Finish, Add</i>	106.62	
		<i>For >10 To 20, Deduct</i>	-122.06	
		<i>For >20 To 40, Deduct</i>	-244.11	
		<i>For >40, Deduct</i>	-399.38	
26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,892.05	664.08
		<i>For Galvanized Finish, Add</i>	106.92	
		<i>For >10 To 20, Deduct</i>	-122.30	
		<i>For >20 To 40, Deduct</i>	-244.60	
		<i>For >40, Deduct</i>	-400.11	
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,901.70	664.08
		<i>For Galvanized Finish, Add</i>	107.21	
		<i>For >10 To 20, Deduct</i>	-122.54	
		<i>For >20 To 40, Deduct</i>	-245.09	
		<i>For >40, Deduct</i>	-400.83	

26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms
(26 56 13 00-0005)

26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,199.63	464.86
		<i>For Galvanized Finish, Add</i>	98.10	
		<i>For >10 To 20, Deduct</i>	-104.99	
		<i>For >20 To 40, Deduct</i>	-209.98	
		<i>For >40, Deduct</i>	-338.22	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,273.73	481.46
		<i>For Galvanized Finish, Add</i>	99.32	
		<i>For >10 To 20, Deduct</i>	-106.84	
		<i>For >20 To 40, Deduct</i>	-213.69	
		<i>For >40, Deduct</i>	-344.60	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,337.75	498.06
		<i>For Galvanized Finish, Add</i>	100.25	
		<i>For >10 To 20, Deduct</i>	-108.44	
		<i>For >20 To 40, Deduct</i>	-216.89	
		<i>For >40, Deduct</i>	-350.23	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,200.12	597.68
		<i>For Galvanized Finish, Add</i>	90.14	
		<i>For >10 To 20, Deduct</i>	-105.00	
		<i>For >20 To 40, Deduct</i>	-210.01	
		<i>For >40, Deduct</i>	-344.89	
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,249.55	614.27
		<i>For Galvanized Finish, Add</i>	90.63	
		<i>For >10 To 20, Deduct</i>	-106.24	
		<i>For >20 To 40, Deduct</i>	-212.48	
		<i>For >40, Deduct</i>	-349.43	
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,289.34	630.88
		<i>For Galvanized Finish, Add</i>	90.83	
		<i>For >10 To 20, Deduct</i>	-107.23	
		<i>For >20 To 40, Deduct</i>	-214.47	
		<i>For >40, Deduct</i>	-353.24	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,533.38	664.08
		<i>For Galvanized Finish, Add</i>	96.16	
		<i>For >10 To 20, Deduct</i>	-113.33	
		<i>For >20 To 40, Deduct</i>	-226.67	
		<i>For >40, Deduct</i>	-373.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0029	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,576.45	680.68
			<i>For Galvanized Finish, Add</i>	96.45	
			<i>For >10 To 20, Deduct</i>	-114.41	
			<i>For >20 To 40, Deduct</i>	-228.82	
			<i>For >40, Deduct</i>	-377.27	
26 56 13 00-0030	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,615.91	697.29
			<i>For Galvanized Finish, Add</i>	96.64	
			<i>For >10 To 20, Deduct</i>	-115.40	
			<i>For >20 To 40, Deduct</i>	-230.80	
			<i>For >40, Deduct</i>	-381.06	
26 56 13 00-0031	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,809.78	697.29
			<i>For Galvanized Finish, Add</i>	102.46	
			<i>For >10 To 20, Deduct</i>	-120.24	
			<i>For >20 To 40, Deduct</i>	-240.49	
			<i>For >40, Deduct</i>	-395.60	
26 56 13 00-0032	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,885.41	713.89
			<i>For Galvanized Finish, Add</i>	103.73	
			<i>For >10 To 20, Deduct</i>	-122.14	
			<i>For >20 To 40, Deduct</i>	-244.27	
			<i>For >40, Deduct</i>	-402.10	
26 56 13 00-0033	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,958.85	730.49
			<i>For Galvanized Finish, Add</i>	104.94	
			<i>For >10 To 20, Deduct</i>	-123.97	
			<i>For >20 To 40, Deduct</i>	-247.94	
			<i>For >40, Deduct</i>	-408.44	
26 56 13 00-0034	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	5,432.00	730.49
			<i>For Galvanized Finish, Add</i>	119.13	
			<i>For >10 To 20, Deduct</i>	-135.80	
			<i>For >20 To 40, Deduct</i>	-271.60	
			<i>For >40, Deduct</i>	-443.92	
26 56 13 00-0035	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	5,471.57	747.09
			<i>For Galvanized Finish, Add</i>	119.32	
			<i>For >10 To 20, Deduct</i>	-136.79	
			<i>For >20 To 40, Deduct</i>	-273.58	
			<i>For >40, Deduct</i>	-447.72	
26 56 13 00-0036	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	5,511.35	763.70
			<i>For Galvanized Finish, Add</i>	119.52	
			<i>For >10 To 20, Deduct</i>	-137.78	
			<i>For >20 To 40, Deduct</i>	-275.57	
			<i>For >40, Deduct</i>	-451.54	
26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms					
<small>(26 56 13 00-0005)</small>					
26 56 13 00-0038	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,934.05	664.08
			<i>For Galvanized Finish, Add</i>	108.18	
			<i>For >10 To 20, Deduct</i>	-123.35	
			<i>For >20 To 40, Deduct</i>	-246.70	
			<i>For >40, Deduct</i>	-403.26	
26 56 13 00-0039	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,006.93	697.29
			<i>For Galvanized Finish, Add</i>	108.37	
			<i>For >10 To 20, Deduct</i>	-125.17	
			<i>For >20 To 40, Deduct</i>	-250.35	
			<i>For >40, Deduct</i>	-410.38	
26 56 13 00-0040	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	5,089.45	730.49
			<i>For Galvanized Finish, Add</i>	108.85	
			<i>For >10 To 20, Deduct</i>	-127.24	
			<i>For >20 To 40, Deduct</i>	-254.47	
			<i>For >40, Deduct</i>	-418.23	
26 56 13 00-0041	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	5,228.49	730.49
			<i>For Galvanized Finish, Add</i>	113.03	
			<i>For >10 To 20, Deduct</i>	-130.71	
			<i>For >20 To 40, Deduct</i>	-261.42	
			<i>For >40, Deduct</i>	-428.66	
26 56 13 00-0042	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,304.44	763.70
			<i>For Galvanized Finish, Add</i>	113.31	
			<i>For >10 To 20, Deduct</i>	-132.61	
			<i>For >20 To 40, Deduct</i>	-265.22	
			<i>For >40, Deduct</i>	-436.02	
26 56 13 00-0043	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	5,377.31	796.90
			<i>For Galvanized Finish, Add</i>	113.51	
			<i>For >10 To 20, Deduct</i>	-134.43	
			<i>For >20 To 40, Deduct</i>	-268.87	
			<i>For >40, Deduct</i>	-443.14	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,559.59	763.70
		<i>For Galvanized Finish, Add</i>	120.97	
		<i>For >10 To 20, Deduct</i>	-138.99	
		<i>For >20 To 40, Deduct</i>	-277.98	
		<i>For >40, Deduct</i>	-455.15	
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,632.47	796.90
		<i>For Galvanized Finish, Add</i>	121.16	
		<i>For >10 To 20, Deduct</i>	-140.81	
		<i>For >20 To 40, Deduct</i>	-281.62	
		<i>For >40, Deduct</i>	-462.28	
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,705.35	830.10
		<i>For Galvanized Finish, Add</i>	121.35	
		<i>For >10 To 20, Deduct</i>	-142.63	
		<i>For >20 To 40, Deduct</i>	-285.27	
		<i>For >40, Deduct</i>	-469.41	
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,981.71	796.90
		<i>For Galvanized Finish, Add</i>	131.64	
		<i>For >10 To 20, Deduct</i>	-149.54	
		<i>For >20 To 40, Deduct</i>	-299.09	
		<i>For >40, Deduct</i>	-488.47	
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	6,054.26	830.10
		<i>For Galvanized Finish, Add</i>	131.82	
		<i>For >10 To 20, Deduct</i>	-151.36	
		<i>For >20 To 40, Deduct</i>	-302.71	
		<i>For >40, Deduct</i>	-495.57	
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	6,133.61	863.31
		<i>For Galvanized Finish, Add</i>	132.21	
		<i>For >10 To 20, Deduct</i>	-153.34	
		<i>For >20 To 40, Deduct</i>	-306.68	
		<i>For >40, Deduct</i>	-503.19	

26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style**Arms** (26 56 13 00-0005)

26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,486.93	730.49
		<i>For Galvanized Finish, Add</i>	120.78	
		<i>For >10 To 20, Deduct</i>	-137.17	
		<i>For >20 To 40, Deduct</i>	-274.35	
		<i>For >40, Deduct</i>	-448.04	
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,596.20	780.29
		<i>For Galvanized Finish, Add</i>	121.07	
		<i>For >10 To 20, Deduct</i>	-139.91	
		<i>For >20 To 40, Deduct</i>	-279.81	
		<i>For >40, Deduct</i>	-458.73	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,702.17	830.10
		<i>For Galvanized Finish, Add</i>	121.26	
		<i>For >10 To 20, Deduct</i>	-142.55	
		<i>For >20 To 40, Deduct</i>	-285.11	
		<i>For >40, Deduct</i>	-469.17	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,820.96	796.90
		<i>For Galvanized Finish, Add</i>	126.81	
		<i>For >10 To 20, Deduct</i>	-145.52	
		<i>For >20 To 40, Deduct</i>	-291.05	
		<i>For >40, Deduct</i>	-476.42	
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,927.37	846.70
		<i>For Galvanized Finish, Add</i>	127.02	
		<i>For >10 To 20, Deduct</i>	-148.18	
		<i>For >20 To 40, Deduct</i>	-296.37	
		<i>For >40, Deduct</i>	-486.89	
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,996.51	896.51
		<i>For Galvanized Finish, Add</i>	126.10	
		<i>For >10 To 20, Deduct</i>	-149.91	
		<i>For >20 To 40, Deduct</i>	-299.83	
		<i>For >40, Deduct</i>	-494.56	
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	6,254.60	830.10
		<i>For Galvanized Finish, Add</i>	137.83	
		<i>For >10 To 20, Deduct</i>	-156.37	
		<i>For >20 To 40, Deduct</i>	-312.73	
		<i>For >40, Deduct</i>	-510.60	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,404.64	879.91
		<i>For Galvanized Finish, Add</i>	139.34	
		<i>For >10 To 20, Deduct</i>	-160.12	
		<i>For >20 To 40, Deduct</i>	-320.23	
		<i>For >40, Deduct</i>	-524.34	

Electrical	26
Lighting	26 50
Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0059	EA		35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,470.15	929.72
			<i>For Galvanized Finish, Add</i>	138.32	
			<i>For >10 To 20, Deduct</i>	-161.75	
			<i>For >20 To 40, Deduct</i>	-323.51	
			<i>For >40, Deduct</i>	-531.75	
26 56 13 00-0060	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	6,531.10	863.31
			<i>For Galvanized Finish, Add</i>	144.13	
			<i>For >10 To 20, Deduct</i>	-163.28	
			<i>For >20 To 40, Deduct</i>	-326.56	
			<i>For >40, Deduct</i>	-533.00	
26 56 13 00-0061	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,637.07	913.11
			<i>For Galvanized Finish, Add</i>	144.33	
			<i>For >10 To 20, Deduct</i>	-165.93	
			<i>For >20 To 40, Deduct</i>	-331.85	
			<i>For >40, Deduct</i>	-543.44	
26 56 13 00-0062	EA		40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,746.33	962.92
			<i>For Galvanized Finish, Add</i>	144.61	
			<i>For >10 To 20, Deduct</i>	-168.66	
			<i>For >20 To 40, Deduct</i>	-337.32	
			<i>For >40, Deduct</i>	-554.12	
26 56 13 00-0063			Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0004)</small>		
26 56 13 00-0064			Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56 13 00-0065	EA		25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,918.72	531.27
			<i>For Galvanized Finish, Add</i>	85.69	
			<i>For >10 To 20, Deduct</i>	-97.97	
			<i>For >20 To 40, Deduct</i>	-195.94	
			<i>For >40, Deduct</i>	-320.47	
26 56 13 00-0066	EA		30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,434.34	597.68
			<i>For Galvanized Finish, Add</i>	97.17	
			<i>For >10 To 20, Deduct</i>	-110.86	
			<i>For >20 To 40, Deduct</i>	-221.72	
			<i>For >40, Deduct</i>	-362.46	
26 56 13 00-0067	EA		35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,554.04	630.88
			<i>For Galvanized Finish, Add</i>	98.77	
			<i>For >10 To 20, Deduct</i>	-113.85	
			<i>For >20 To 40, Deduct</i>	-227.70	
			<i>For >40, Deduct</i>	-373.10	
26 56 13 00-0068	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	5,438.01	664.08
			<i>For Galvanized Finish, Add</i>	123.30	
			<i>For >10 To 20, Deduct</i>	-135.95	
			<i>For >20 To 40, Deduct</i>	-271.90	
			<i>For >40, Deduct</i>	-441.06	
26 56 13 00-0069			Round Tapered, Steel Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0070			Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0069)</small>		
26 56 13 00-0071	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,062.06	531.27
			<i>For Galvanized Finish, Add</i>	119.99	
			<i>For >10 To 20, Deduct</i>	-126.55	
			<i>For >20 To 40, Deduct</i>	-253.10	
			<i>For >40, Deduct</i>	-406.22	
26 56 13 00-0072	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,111.07	531.27
			<i>For Galvanized Finish, Add</i>	121.46	
			<i>For >10 To 20, Deduct</i>	-127.78	
			<i>For >20 To 40, Deduct</i>	-255.55	
			<i>For >40, Deduct</i>	-409.89	
26 56 13 00-0073	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,133.44	531.27
			<i>For Galvanized Finish, Add</i>	122.13	
			<i>For >10 To 20, Deduct</i>	-128.34	
			<i>For >20 To 40, Deduct</i>	-256.67	
			<i>For >40, Deduct</i>	-411.57	
26 56 13 00-0074	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,243.89	597.68
			<i>For Galvanized Finish, Add</i>	121.46	
			<i>For >10 To 20, Deduct</i>	-131.10	
			<i>For >20 To 40, Deduct</i>	-262.19	
			<i>For >40, Deduct</i>	-423.18	
26 56 13 00-0075	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,252.44	597.68
			<i>For Galvanized Finish, Add</i>	121.71	
			<i>For >10 To 20, Deduct</i>	-131.31	
			<i>For >20 To 40, Deduct</i>	-262.62	
			<i>For >40, Deduct</i>	-423.82	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0076	EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,340.82	597.68
	For Galvanized Finish, Add	124.36	
	For >10 To 20, Deduct	-133.52	
	For >20 To 40, Deduct	-267.04	
	For >40, Deduct	-430.45	
26 56 13 00-0077	EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,339.36	630.88
	For Galvanized Finish, Add	122.33	
	For >10 To 20, Deduct	-133.48	
	For >20 To 40, Deduct	-266.97	
	For >40, Deduct	-432.00	
26 56 13 00-0078	EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,391.11	630.88
	For Galvanized Finish, Add	123.88	
	For >10 To 20, Deduct	-134.78	
	For >20 To 40, Deduct	-269.56	
	For >40, Deduct	-435.88	
26 56 13 00-0079	EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,662.50	630.88
	For Galvanized Finish, Add	132.02	
	For >10 To 20, Deduct	-141.56	
	For >20 To 40, Deduct	-283.13	
	For >40, Deduct	-456.23	
26 56 13 00-0080	Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0080)</small>		
26 56 13 00-0081	EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,631.67	664.08
	For Galvanized Finish, Add	159.11	
	For >10 To 20, Deduct	-165.79	
	For >20 To 40, Deduct	-331.58	
	For >40, Deduct	-530.58	
26 56 13 00-0082	EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,745.01	697.29
	For Galvanized Finish, Add	160.51	
	For >10 To 20, Deduct	-168.63	
	For >20 To 40, Deduct	-337.25	
	For >40, Deduct	-540.74	
26 56 13 00-0083	EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,995.62	730.49
	For Galvanized Finish, Add	166.04	
	For >10 To 20, Deduct	-174.89	
	For >20 To 40, Deduct	-349.78	
	For >40, Deduct	-561.20	
26 56 13 00-0084	EA 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,737.29	730.49
	For Galvanized Finish, Add	158.29	
	For >10 To 20, Deduct	-168.43	
	For >20 To 40, Deduct	-336.86	
	For >40, Deduct	-541.82	
26 56 13 00-0085	EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	7,046.13	763.70
	For Galvanized Finish, Add	165.56	
	For >10 To 20, Deduct	-176.15	
	For >20 To 40, Deduct	-352.31	
	For >40, Deduct	-566.64	
26 56 13 00-0086	EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,231.85	796.90
	For Galvanized Finish, Add	169.14	
	For >10 To 20, Deduct	-180.80	
	For >20 To 40, Deduct	-361.59	
	For >40, Deduct	-582.23	
26 56 13 00-0087	EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,939.12	763.70
	For Galvanized Finish, Add	162.35	
	For >10 To 20, Deduct	-173.48	
	For >20 To 40, Deduct	-346.96	
	For >40, Deduct	-558.62	
26 56 13 00-0088	EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	7,351.37	796.90
	For Galvanized Finish, Add	172.73	
	For >10 To 20, Deduct	-183.78	
	For >20 To 40, Deduct	-367.57	
	For >40, Deduct	-591.20	
26 56 13 00-0089	EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,595.41	830.10
	For Galvanized Finish, Add	178.06	
	For >10 To 20, Deduct	-189.89	
	For >20 To 40, Deduct	-379.77	
	For >40, Deduct	-611.16	
26 56 13 00-0090	Aluminum Roadway Light Poles <small>(26 56 13 00-0090)</small> Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0091	Round Tapered, Aluminum Roadway Light Poles <small>(26 56 13 00-0090)</small>		

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

26 56 13 00-0092			Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0091)</small>		
26 56 13 00-0093			Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0092)</small>		
26 56 13 00-0094	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,161.44	398.45
			For >10 To 20, Deduct	-79.04	
			For >20 To 40, Deduct	-158.07	
			For >40, Deduct	-257.03	
26 56 13 00-0095	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,190.06	398.45
			For >10 To 20, Deduct	-79.75	
			For >20 To 40, Deduct	-159.50	
			For >40, Deduct	-259.18	
26 56 13 00-0096	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,859.13	531.27
			For >10 To 20, Deduct	-96.48	
			For >20 To 40, Deduct	-192.96	
			For >40, Deduct	-316.00	
26 56 13 00-0097	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,913.21	531.27
			For >10 To 20, Deduct	-97.83	
			For >20 To 40, Deduct	-195.66	
			For >40, Deduct	-320.05	
26 56 13 00-0098	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,962.95	531.27
			For >10 To 20, Deduct	-99.07	
			For >20 To 40, Deduct	-198.15	
			For >40, Deduct	-323.78	
26 56 13 00-0099	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,434.45	597.68
			For >10 To 20, Deduct	-110.86	
			For >20 To 40, Deduct	-221.72	
			For >40, Deduct	-362.47	
26 56 13 00-0100	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,480.09	597.68
			For >10 To 20, Deduct	-112.00	
			For >20 To 40, Deduct	-224.00	
			For >40, Deduct	-365.89	
26 56 13 00-0101	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,531.12	597.68
			For >10 To 20, Deduct	-113.28	
			For >20 To 40, Deduct	-226.56	
			For >40, Deduct	-369.72	
26 56 13 00-0102	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	5,222.80	630.88
			For >10 To 20, Deduct	-130.57	
			For >20 To 40, Deduct	-261.14	
			For >40, Deduct	-423.25	
26 56 13 00-0103	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	5,268.32	630.88
			For >10 To 20, Deduct	-131.71	
			For >20 To 40, Deduct	-263.42	
			For >40, Deduct	-426.67	
26 56 13 00-0104	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	5,306.44	630.88
			For >10 To 20, Deduct	-132.66	
			For >20 To 40, Deduct	-265.32	
			For >40, Deduct	-429.53	
26 56 13 00-0105			Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56 13 00-0106	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,619.21	464.86
			For >10 To 20, Deduct	-90.48	
			For >20 To 40, Deduct	-180.96	
			For >40, Deduct	-294.68	
26 56 13 00-0107	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,899.71	464.86
			For >10 To 20, Deduct	-97.49	
			For >20 To 40, Deduct	-194.99	
			For >40, Deduct	-315.72	
26 56 13 00-0108	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,020.79	498.06
			For >10 To 20, Deduct	-100.52	
			For >20 To 40, Deduct	-201.04	
			For >40, Deduct	-326.46	
26 56 13 00-0109	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,301.54	597.68
			For >10 To 20, Deduct	-107.54	
			For >20 To 40, Deduct	-215.08	
			For >40, Deduct	-352.50	
26 56 13 00-0110	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,513.29	614.27
			For >10 To 20, Deduct	-112.83	
			For >20 To 40, Deduct	-225.66	
			For >40, Deduct	-369.21	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,821.59	630.88
		<i>For >10 To 20, Deduct</i>	-120.54	
		<i>For >20 To 40, Deduct</i>	-241.08	
		<i>For >40, Deduct</i>	-393.16	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,975.17	664.08
		<i>For >10 To 20, Deduct</i>	-124.38	
		<i>For >20 To 40, Deduct</i>	-248.76	
		<i>For >40, Deduct</i>	-406.34	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	5,174.01	680.68
		<i>For >10 To 20, Deduct</i>	-129.35	
		<i>For >20 To 40, Deduct</i>	-258.70	
		<i>For >40, Deduct</i>	-422.09	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,418.15	697.29
		<i>For >10 To 20, Deduct</i>	-135.45	
		<i>For >20 To 40, Deduct</i>	-270.91	
		<i>For >40, Deduct</i>	-441.23	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	5,666.26	697.29
		<i>For >10 To 20, Deduct</i>	-141.66	
		<i>For >20 To 40, Deduct</i>	-283.31	
		<i>For >40, Deduct</i>	-459.83	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	6,215.87	713.89
		<i>For >10 To 20, Deduct</i>	-155.40	
		<i>For >20 To 40, Deduct</i>	-310.79	
		<i>For >40, Deduct</i>	-501.88	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	6,856.16	730.49
		<i>For >10 To 20, Deduct</i>	-171.40	
		<i>For >20 To 40, Deduct</i>	-342.81	
		<i>For >40, Deduct</i>	-550.74	

26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms (26 56 13 00-0092)

26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,203.56	531.27
		<i>For >10 To 20, Deduct</i>	-105.09	
		<i>For >20 To 40, Deduct</i>	-210.18	
		<i>For >40, Deduct</i>	-341.83	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,496.85	564.47
		<i>For >10 To 20, Deduct</i>	-112.42	
		<i>For >20 To 40, Deduct</i>	-224.84	
		<i>For >40, Deduct</i>	-365.49	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,104.33	664.08
		<i>For >10 To 20, Deduct</i>	-127.61	
		<i>For >20 To 40, Deduct</i>	-255.22	
		<i>For >40, Deduct</i>	-416.03	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,320.78	697.29
		<i>For >10 To 20, Deduct</i>	-133.02	
		<i>For >20 To 40, Deduct</i>	-266.04	
		<i>For >40, Deduct</i>	-433.92	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,572.18	730.49
		<i>For >10 To 20, Deduct</i>	-139.30	
		<i>For >20 To 40, Deduct</i>	-278.61	
		<i>For >40, Deduct</i>	-454.44	
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,767.75	763.70
		<i>For >10 To 20, Deduct</i>	-144.19	
		<i>For >20 To 40, Deduct</i>	-288.39	
		<i>For >40, Deduct</i>	-470.77	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	6,036.39	763.70
		<i>For >10 To 20, Deduct</i>	-150.91	
		<i>For >20 To 40, Deduct</i>	-301.82	
		<i>For >40, Deduct</i>	-490.91	
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	6,579.56	796.90
		<i>For >10 To 20, Deduct</i>	-164.49	
		<i>For >20 To 40, Deduct</i>	-328.98	
		<i>For >40, Deduct</i>	-533.31	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	7,009.87	830.10
		<i>For >10 To 20, Deduct</i>	-175.25	
		<i>For >20 To 40, Deduct</i>	-350.49	
		<i>For >40, Deduct</i>	-567.25	

26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms (26 56 13 00-0092)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0129	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,335.67	597.68
			<i>For >10 To 20, Deduct</i>	-108.39	
			<i>For >20 To 40, Deduct</i>	-216.78	
			<i>For >40, Deduct</i>	-355.06	
26 56 13 00-0130	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,507.42	597.68
			<i>For >10 To 20, Deduct</i>	-112.69	
			<i>For >20 To 40, Deduct</i>	-225.37	
			<i>For >40, Deduct</i>	-367.94	
26 56 13 00-0131	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,582.85	730.49
			<i>For >10 To 20, Deduct</i>	-139.57	
			<i>For >20 To 40, Deduct</i>	-279.14	
			<i>For >40, Deduct</i>	-455.24	
26 56 13 00-0132	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,048.61	780.29
			<i>For >10 To 20, Deduct</i>	-151.22	
			<i>For >20 To 40, Deduct</i>	-302.43	
			<i>For >40, Deduct</i>	-492.66	
26 56 13 00-0133	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	6,315.73	796.90
			<i>For >10 To 20, Deduct</i>	-157.89	
			<i>For >20 To 40, Deduct</i>	-315.79	
			<i>For >40, Deduct</i>	-513.52	
26 56 13 00-0134	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,743.46	846.70
			<i>For >10 To 20, Deduct</i>	-168.59	
			<i>For >20 To 40, Deduct</i>	-337.17	
			<i>For >40, Deduct</i>	-548.09	
26 56 13 00-0135	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	6,654.42	830.10
			<i>For >10 To 20, Deduct</i>	-166.36	
			<i>For >20 To 40, Deduct</i>	-332.72	
			<i>For >40, Deduct</i>	-540.59	
26 56 13 00-0136	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	7,594.80	879.91
			<i>For >10 To 20, Deduct</i>	-189.87	
			<i>For >20 To 40, Deduct</i>	-379.74	
			<i>For >40, Deduct</i>	-613.61	
26 56 13 00-0137	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	8,423.86	929.72
			<i>For >10 To 20, Deduct</i>	-210.60	
			<i>For >20 To 40, Deduct</i>	-421.19	
			<i>For >40, Deduct</i>	-678.28	
26 56 13 00-0138			Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0091)</small>		
26 56 13 00-0139			Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0138)</small>		
26 56 13 00-0140	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,653.80	531.27
			<i>For >10 To 20, Deduct</i>	-116.35	
			<i>For >20 To 40, Deduct</i>	-232.69	
			<i>For >40, Deduct</i>	-375.60	
26 56 13 00-0141	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,692.05	531.27
			<i>For >10 To 20, Deduct</i>	-117.30	
			<i>For >20 To 40, Deduct</i>	-234.60	
			<i>For >40, Deduct</i>	-378.47	
26 56 13 00-0142	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,789.77	531.27
			<i>For >10 To 20, Deduct</i>	-119.74	
			<i>For >20 To 40, Deduct</i>	-239.49	
			<i>For >40, Deduct</i>	-385.80	
26 56 13 00-0143	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,936.41	531.27
			<i>For >10 To 20, Deduct</i>	-123.41	
			<i>For >20 To 40, Deduct</i>	-246.82	
			<i>For >40, Deduct</i>	-396.79	
26 56 13 00-0144	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	5,240.03	597.68
			<i>For >10 To 20, Deduct</i>	-131.00	
			<i>For >20 To 40, Deduct</i>	-262.00	
			<i>For >40, Deduct</i>	-422.89	
26 56 13 00-0145	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,326.26	597.68
			<i>For >10 To 20, Deduct</i>	-133.16	
			<i>For >20 To 40, Deduct</i>	-266.31	
			<i>For >40, Deduct</i>	-429.35	
26 56 13 00-0146	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,418.23	597.68
			<i>For >10 To 20, Deduct</i>	-135.46	
			<i>For >20 To 40, Deduct</i>	-270.91	
			<i>For >40, Deduct</i>	-436.25	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0147	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,973.00	597.68
	For >10 To 20, Deduct	-149.33	
	For >20 To 40, Deduct	-298.65	
	For >40, Deduct	-477.86	
26 56 13 00-0148	EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	5,700.96	630.88
	For >10 To 20, Deduct	-142.52	
	For >20 To 40, Deduct	-285.05	
	For >40, Deduct	-459.12	
26 56 13 00-0149	EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	6,412.81	630.88
	For >10 To 20, Deduct	-160.32	
	For >20 To 40, Deduct	-320.64	
	For >40, Deduct	-512.50	
26 56 13 00-0150	EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	6,482.14	630.88
	For >10 To 20, Deduct	-162.05	
	For >20 To 40, Deduct	-324.11	
	For >40, Deduct	-517.70	
26 56 13 00-0151	EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	6,922.30	630.88
	For >10 To 20, Deduct	-173.06	
	For >20 To 40, Deduct	-346.12	
	For >40, Deduct	-550.72	
26 56 13 00-0152	EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	7,323.74	630.88
	For >10 To 20, Deduct	-183.09	
	For >20 To 40, Deduct	-366.19	
	For >40, Deduct	-580.82	
26 56 13 00-0153	Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0138)</small>		
26 56 13 00-0154	EA 25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,050.10	664.08
	For >10 To 20, Deduct	-151.25	
	For >20 To 40, Deduct	-302.51	
	For >40, Deduct	-486.96	
26 56 13 00-0155	EA 25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,214.23	697.29
	For >10 To 20, Deduct	-155.36	
	For >20 To 40, Deduct	-310.71	
	For >40, Deduct	-500.93	
26 56 13 00-0156	EA 25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,343.51	730.49
	For >10 To 20, Deduct	-158.59	
	For >20 To 40, Deduct	-317.18	
	For >40, Deduct	-512.29	
26 56 13 00-0157	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,511.03	730.49
	For >10 To 20, Deduct	-162.78	
	For >20 To 40, Deduct	-325.55	
	For >40, Deduct	-524.85	
26 56 13 00-0158	EA 30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	7,086.81	763.70
	For >10 To 20, Deduct	-177.17	
	For >20 To 40, Deduct	-354.34	
	For >40, Deduct	-569.70	
26 56 13 00-0159	EA 30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	8,158.23	796.90
	For >10 To 20, Deduct	-203.96	
	For >20 To 40, Deduct	-407.91	
	For >40, Deduct	-651.71	
26 56 13 00-0160	EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	7,892.86	763.70
	For >10 To 20, Deduct	-197.32	
	For >20 To 40, Deduct	-394.64	
	For >40, Deduct	-630.15	
26 56 13 00-0161	EA 35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	8,041.15	796.90
	For >10 To 20, Deduct	-201.03	
	For >20 To 40, Deduct	-402.06	
	For >40, Deduct	-642.93	
26 56 13 00-0162	EA 35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	9,826.18	830.10
	For >10 To 20, Deduct	-245.65	
	For >20 To 40, Deduct	-491.31	
	For >40, Deduct	-778.47	
26 56 13 00-0163	Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0091)</small>		
26 56 13 00-0164	Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0163)</small>		

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	.....	3,829.88	398.45
		For >10 To 20, Deduct		-95.75	
		For >20 To 40, Deduct		-191.49	
		For >40, Deduct		-307.16	
26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	.....	3,937.93	398.45
		For >10 To 20, Deduct		-98.45	
		For >20 To 40, Deduct		-196.90	
		For >40, Deduct		-315.27	
26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	.....	4,046.21	398.45
		For >10 To 20, Deduct		-101.16	
		For >20 To 40, Deduct		-202.31	
		For >40, Deduct		-323.39	
26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	.....	4,537.31	531.27
		For >10 To 20, Deduct		-113.43	
		For >20 To 40, Deduct		-226.87	
		For >40, Deduct		-366.86	
26 56 13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	.....	4,619.66	531.27
		For >10 To 20, Deduct		-115.49	
		For >20 To 40, Deduct		-230.98	
		For >40, Deduct		-373.04	
26 56 13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	.....	4,709.64	531.27
		For >10 To 20, Deduct		-117.74	
		For >20 To 40, Deduct		-235.48	
		For >40, Deduct		-379.79	
26 56 13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	.....	5,121.55	597.68
		For >10 To 20, Deduct		-128.04	
		For >20 To 40, Deduct		-256.08	
		For >40, Deduct		-414.00	
26 56 13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	.....	5,233.35	597.68
		For >10 To 20, Deduct		-130.83	
		For >20 To 40, Deduct		-261.67	
		For >40, Deduct		-422.39	
26 56 13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	.....	5,250.12	597.68
		For >10 To 20, Deduct		-131.25	
		For >20 To 40, Deduct		-262.51	
		For >40, Deduct		-423.64	
26 56 13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	.....	5,585.76	630.88
		For >10 To 20, Deduct		-139.64	
		For >20 To 40, Deduct		-279.29	
		For >40, Deduct		-450.48	
26 56 13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	.....	5,634.80	630.88
		For >10 To 20, Deduct		-140.87	
		For >20 To 40, Deduct		-281.74	
		For >40, Deduct		-454.15	
26 56 13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	.....	5,749.77	630.88
		For >10 To 20, Deduct		-143.74	
		For >20 To 40, Deduct		-287.49	
		For >40, Deduct		-462.78	
26 56 13 00-0177		Area Light Poles <small>(26 56 13 00-0001)</small>			
		Note: Excludes lighting fixtures.			
26 56 13 00-0178		Steel Area Light Poles <small>(26 56 13 00-0177)</small>			
		Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.			
26 56 13 00-0179		Round Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>			
26 56 13 00-0180		Round Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0179)</small>			
26 56 13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	918.43	232.43
		For Galvanized Finish, Add		13.61	
		For >10 To 20, Deduct		-29.76	
		For >20 To 40, Deduct		-54.99	
		For >40, Deduct		-114.52	
26 56 13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	1,009.97	265.63
		For Galvanized Finish, Add		14.36	
		For >10 To 20, Deduct		-32.43	
		For >20 To 40, Deduct		-60.07	
		For >40, Deduct		-124.93	
26 56 13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	1,130.40	298.84
		For Galvanized Finish, Add		15.98	
		For >10 To 20, Deduct		-36.25	
		For >20 To 40, Deduct		-67.17	
		For >40, Deduct		-139.68	
26 56 13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	1,253.34	332.04
		For Galvanized Finish, Add		17.68	
		For >10 To 20, Deduct		-40.17	
		For >20 To 40, Deduct		-74.45	
		For >40, Deduct		-154.80	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0185	EA 18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,344.88	365.25
	For Galvanized Finish, Add	18.43	
	For >10 To 20, Deduct	-42.84	
	For >20 To 40, Deduct	-79.53	
	For >40, Deduct	-165.21	
26 56 13 00-0186	EA 20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,430.14	398.45
	For Galvanized Finish, Add	19.00	
	For >10 To 20, Deduct	-45.25	
	For >20 To 40, Deduct	-84.17	
	For >40, Deduct	-174.68	
26 56 13 00-0187	EA 10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	951.09	232.43
	For Galvanized Finish, Add	14.59	
	For >10 To 20, Deduct	-31.07	
	For >20 To 40, Deduct	-57.28	
	For >40, Deduct	-119.42	
26 56 13 00-0188	EA 12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,043.89	265.63
	For Galvanized Finish, Add	15.38	
	For >10 To 20, Deduct	-33.79	
	For >20 To 40, Deduct	-62.45	
	For >40, Deduct	-130.02	
26 56 13 00-0189	EA 14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,198.25	298.84
	For Galvanized Finish, Add	18.02	
	For >10 To 20, Deduct	-38.96	
	For >20 To 40, Deduct	-71.92	
	For >40, Deduct	-149.85	
26 56 13 00-0190	EA 16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,297.32	332.04
	For Galvanized Finish, Add	19.00	
	For >10 To 20, Deduct	-41.93	
	For >20 To 40, Deduct	-77.53	
	For >40, Deduct	-161.39	
26 56 13 00-0191	EA 18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,392.62	365.25
	For Galvanized Finish, Add	19.86	
	For >10 To 20, Deduct	-44.75	
	For >20 To 40, Deduct	-82.87	
	For >40, Deduct	-172.37	
26 56 13 00-0192	EA 20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,475.37	398.45
	For Galvanized Finish, Add	20.35	
	For >10 To 20, Deduct	-47.06	
	For >20 To 40, Deduct	-87.34	
	For >40, Deduct	-181.46	
26 56 13 00-0193	EA 25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,787.48	531.27
	For Galvanized Finish, Add	21.75	
	For >10 To 20, Deduct	-55.56	
	For >20 To 40, Deduct	-103.87	
	For >40, Deduct	-215.00	
26 56 13 00-0194	EA 10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	951.09	232.43
	For Galvanized Finish, Add	14.59	
	For >10 To 20, Deduct	-31.07	
	For >20 To 40, Deduct	-57.28	
	For >40, Deduct	-119.42	
26 56 13 00-0195	EA 12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,047.66	265.63
	For Galvanized Finish, Add	15.49	
	For >10 To 20, Deduct	-33.94	
	For >20 To 40, Deduct	-62.71	
	For >40, Deduct	-130.59	
26 56 13 00-0196	EA 14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,218.35	298.84
	For Galvanized Finish, Add	18.62	
	For >10 To 20, Deduct	-39.77	
	For >20 To 40, Deduct	-73.33	
	For >40, Deduct	-152.87	
26 56 13 00-0197	EA 16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,301.08	332.04
	For Galvanized Finish, Add	19.11	
	For >10 To 20, Deduct	-42.08	
	For >20 To 40, Deduct	-77.79	
	For >40, Deduct	-161.96	
26 56 13 00-0198	EA 18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,392.62	365.25
	For Galvanized Finish, Add	19.86	
	For >10 To 20, Deduct	-44.75	
	For >20 To 40, Deduct	-82.87	
	For >40, Deduct	-172.37	
26 56 13 00-0199	EA 20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,475.37	398.45
	For Galvanized Finish, Add	20.35	
	For >10 To 20, Deduct	-47.06	
	For >20 To 40, Deduct	-87.34	
	For >40, Deduct	-181.46	
26 56 13 00-0200	EA 25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,822.66	531.27
	For Galvanized Finish, Add	22.80	
	For >10 To 20, Deduct	-56.97	
	For >20 To 40, Deduct	-106.34	
	For >40, Deduct	-220.27	
26 56 13 00-0201	EA 30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,020.82	597.68
	For Galvanized Finish, Add	24.76	
	For >10 To 20, Deduct	-62.90	
	For >20 To 40, Deduct	-117.55	
	For >40, Deduct	-243.36	
26 56 13 00-0202	EA 20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,555.78	398.45
	For Galvanized Finish, Add	22.77	
	For >10 To 20, Deduct	-50.28	
	For >20 To 40, Deduct	-92.97	
	For >40, Deduct	-193.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0203	EA		25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,839.00	531.27
			For Galvanized Finish, Add	23.29	
			For >10 To 20, Deduct	-57.62	
			For >20 To 40, Deduct	-107.48	
			For >40, Deduct	-222.72	
26 56 13 00-0204	EA		30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,052.23	597.68
			For Galvanized Finish, Add	25.71	
			For >10 To 20, Deduct	-64.16	
			For >20 To 40, Deduct	-119.75	
			For >40, Deduct	-248.07	
26 56 13 00-0205			Round Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0206			Round Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0205)</small>		
26 56 13 00-0207	EA		20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,839.73	398.45
			For Galvanized Finish, Add	31.28	
			For >10 To 20, Deduct	-61.64	
			For >20 To 40, Deduct	-112.84	
			For >40, Deduct	-236.11	
26 56 13 00-0208	EA		20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,878.68	398.45
			For Galvanized Finish, Add	32.45	
			For >10 To 20, Deduct	-63.19	
			For >20 To 40, Deduct	-115.57	
			For >40, Deduct	-241.96	
26 56 13 00-0209	EA		25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,229.74	531.27
			For Galvanized Finish, Add	35.02	
			For >10 To 20, Deduct	-73.25	
			For >20 To 40, Deduct	-134.83	
			For >40, Deduct	-281.33	
26 56 13 00-0210	EA		25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,310.16	531.27
			For Galvanized Finish, Add	37.43	
			For >10 To 20, Deduct	-76.47	
			For >20 To 40, Deduct	-140.46	
			For >40, Deduct	-293.40	
26 56 13 00-0211	EA		30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,488.21	597.68
			For Galvanized Finish, Add	38.79	
			For >10 To 20, Deduct	-81.60	
			For >20 To 40, Deduct	-150.27	
			For >40, Deduct	-313.46	
26 56 13 00-0212	EA		30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,622.64	597.68
			For Galvanized Finish, Add	42.82	
			For >10 To 20, Deduct	-86.98	
			For >20 To 40, Deduct	-159.68	
			For >40, Deduct	-333.63	
26 56 13 00-0213	EA		35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,716.69	630.88
			For Galvanized Finish, Add	43.65	
			For >10 To 20, Deduct	-89.74	
			For >20 To 40, Deduct	-164.93	
			For >40, Deduct	-344.42	
26 56 13 00-0214	EA		35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,799.62	630.88
			For Galvanized Finish, Add	46.14	
			For >10 To 20, Deduct	-93.06	
			For >20 To 40, Deduct	-170.74	
			For >40, Deduct	-356.86	
26 56 13 00-0215	EA		35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,998.13	630.88
			For Galvanized Finish, Add	52.09	
			For >10 To 20, Deduct	-101.00	
			For >20 To 40, Deduct	-184.63	
			For >40, Deduct	-386.63	
26 56 13 00-0216	EA		39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,049.47	664.08
			For Galvanized Finish, Add	51.64	
			For >10 To 20, Deduct	-102.06	
			For >20 To 40, Deduct	-186.90	
			For >40, Deduct	-391.01	
26 56 13 00-0217	EA		39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,084.65	664.08
			For Galvanized Finish, Add	52.69	
			For >10 To 20, Deduct	-103.46	
			For >20 To 40, Deduct	-189.36	
			For >40, Deduct	-396.29	
26 56 13 00-0218	EA		45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,160.31	863.31
			For Galvanized Finish, Add	73.01	
			For >10 To 20, Deduct	-140.51	
			For >20 To 40, Deduct	-256.69	
			For >40, Deduct	-537.72	
26 56 13 00-0219	EA		50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,418.40	996.13
			For Galvanized Finish, Add	72.78	
			For >10 To 20, Deduct	-146.85	
			For >20 To 40, Deduct	-269.44	
			For >40, Deduct	-563.15	
26 56 13 00-0220	EA		25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,855.44	531.27
			For Galvanized Finish, Add	53.79	
			For >10 To 20, Deduct	-98.28	
			For >20 To 40, Deduct	-178.63	
			For >40, Deduct	-375.19	
26 56 13 00-0221	EA		30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,237.03	597.68
			For Galvanized Finish, Add	61.25	
			For >10 To 20, Deduct	-111.55	
			For >20 To 40, Deduct	-202.69	
			For >40, Deduct	-425.79	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,726.68	664.08
		For Galvanized Finish, Add	71.96	
		For >10 To 20, Deduct	-129.14	
		For >20 To 40, Deduct	-234.30	
		For >40, Deduct	-492.59	
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,552.31	863.31
		For Galvanized Finish, Add	84.77	
		For >10 To 20, Deduct	-156.19	
		For >20 To 40, Deduct	-284.13	
		For >40, Deduct	-596.52	
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	5,302.92	996.13
		For Galvanized Finish, Add	99.32	
		For >10 To 20, Deduct	-182.23	
		For >20 To 40, Deduct	-331.36	
		For >40, Deduct	-695.83	
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	5,814.28	996.13
		For Galvanized Finish, Add	114.66	
		For >10 To 20, Deduct	-202.69	
		For >20 To 40, Deduct	-367.15	
		For >40, Deduct	-772.53	
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	7,523.01	996.13
		For Galvanized Finish, Add	165.92	
		For >10 To 20, Deduct	-271.04	
		For >20 To 40, Deduct	-486.77	
		For >40, Deduct	-1,028.84	
26 56 13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	8,352.25	996.13
		For Galvanized Finish, Add	190.80	
		For >10 To 20, Deduct	-304.21	
		For >20 To 40, Deduct	-544.81	
		For >40, Deduct	-1,153.23	

26 56 13 00-0228 Square Straight, Steel Area Light Poles (26 56 13 00-0178)**26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base** (26 56 13 00-0228)

26 56 13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	908.38	232.43
		For Galvanized Finish, Add	13.31	
		For >10 To 20, Deduct	-29.36	
		For >20 To 40, Deduct	-54.29	
		For >40, Deduct	-113.01	
26 56 13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	974.79	265.63
		For Galvanized Finish, Add	13.31	
		For >10 To 20, Deduct	-31.02	
		For >20 To 40, Deduct	-57.61	
		For >40, Deduct	-119.66	
26 56 13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,062.56	298.84
		For Galvanized Finish, Add	13.95	
		For >10 To 20, Deduct	-33.54	
		For >20 To 40, Deduct	-62.43	
		For >40, Deduct	-129.50	
26 56 13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,125.91	315.43
		For Galvanized Finish, Add	14.85	
		For >10 To 20, Deduct	-35.57	
		For >20 To 40, Deduct	-66.20	
		For >40, Deduct	-137.34	
26 56 13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,159.11	332.04
		For Galvanized Finish, Add	14.85	
		For >10 To 20, Deduct	-36.40	
		For >20 To 40, Deduct	-67.86	
		For >40, Deduct	-140.66	
26 56 13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,239.34	365.25
		For Galvanized Finish, Add	15.27	
		For >10 To 20, Deduct	-38.62	
		For >20 To 40, Deduct	-72.14	
		For >40, Deduct	-149.38	
26 56 13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,317.06	398.45
		For Galvanized Finish, Add	15.60	
		For >10 To 20, Deduct	-40.73	
		For >20 To 40, Deduct	-76.26	
		For >40, Deduct	-157.71	
26 56 13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,658.07	531.27
		For Galvanized Finish, Add	17.87	
		For >10 To 20, Deduct	-50.38	
		For >20 To 40, Deduct	-94.81	
		For >40, Deduct	-195.58	
26 56 13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,486.67	398.45
		For Galvanized Finish, Add	20.69	
		For >10 To 20, Deduct	-47.51	
		For >20 To 40, Deduct	-88.13	
		For >40, Deduct	-183.16	
26 56 13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,891.77	531.27
		For Galvanized Finish, Add	24.88	
		For >10 To 20, Deduct	-59.73	
		For >20 To 40, Deduct	-111.17	
		For >40, Deduct	-230.64	
26 56 13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,161.54	597.68
		For Galvanized Finish, Add	28.99	
		For >10 To 20, Deduct	-68.53	
		For >20 To 40, Deduct	-127.40	
		For >40, Deduct	-264.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0241	EA		20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,440.19	398.45
			<i>For Galvanized Finish, Add</i>	19.30	
			<i>For >10 To 20, Deduct</i>	-45.65	
			<i>For >20 To 40, Deduct</i>	-84.88	
			<i>For >40, Deduct</i>	-176.18	
26 56 13 00-0242	EA		25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,801.31	531.27
			<i>For Galvanized Finish, Add</i>	22.16	
			<i>For >10 To 20, Deduct</i>	-56.11	
			<i>For >20 To 40, Deduct</i>	-104.84	
			<i>For >40, Deduct</i>	-217.07	
26 56 13 00-0243	EA		30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,083.64	597.68
			<i>For Galvanized Finish, Add</i>	26.65	
			<i>For >10 To 20, Deduct</i>	-65.42	
			<i>For >20 To 40, Deduct</i>	-121.95	
			<i>For >40, Deduct</i>	-252.78	
26 56 13 00-0244	EA		20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,599.75	398.45
			<i>For Galvanized Finish, Add</i>	24.09	
			<i>For >10 To 20, Deduct</i>	-52.04	
			<i>For >20 To 40, Deduct</i>	-96.04	
			<i>For >40, Deduct</i>	-200.12	
26 56 13 00-0245	EA		25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,004.85	531.27
			<i>For Galvanized Finish, Add</i>	28.27	
			<i>For >10 To 20, Deduct</i>	-64.26	
			<i>For >20 To 40, Deduct</i>	-119.09	
			<i>For >40, Deduct</i>	-247.60	
26 56 13 00-0246	EA		30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,268.33	597.68
			<i>For Galvanized Finish, Add</i>	32.19	
			<i>For >10 To 20, Deduct</i>	-72.80	
			<i>For >20 To 40, Deduct</i>	-134.88	
			<i>For >40, Deduct</i>	-280.48	
26 56 13 00-0247	EA		35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,490.54	630.88
			<i>For Galvanized Finish, Add</i>	36.86	
			<i>For >10 To 20, Deduct</i>	-80.70	
			<i>For >20 To 40, Deduct</i>	-149.10	
			<i>For >40, Deduct</i>	-310.49	
26 56 13 00-0248	EA		30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,515.85	597.68
			<i>For Galvanized Finish, Add</i>	39.62	
			<i>For >10 To 20, Deduct</i>	-82.70	
			<i>For >20 To 40, Deduct</i>	-152.20	
			<i>For >40, Deduct</i>	-317.61	
26 56 13 00-0249	EA		35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,739.31	630.88
			<i>For Galvanized Finish, Add</i>	44.33	
			<i>For >10 To 20, Deduct</i>	-90.65	
			<i>For >20 To 40, Deduct</i>	-166.52	
			<i>For >40, Deduct</i>	-347.81	
26 56 13 00-0250	EA		40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,894.93	664.08
			<i>For Galvanized Finish, Add</i>	47.00	
			<i>For >10 To 20, Deduct</i>	-95.87	
			<i>For >20 To 40, Deduct</i>	-176.08	
			<i>For >40, Deduct</i>	-367.83	
26 56 13 00-0251			Hinged, Square Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0252			Hinged, Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0251)		
26 56 13 00-0253	EA		20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,880.31	398.45
			<i>For Galvanized Finish, Add</i>	62.50	
			<i>For >10 To 20, Deduct</i>	-103.26	
			<i>For >20 To 40, Deduct</i>	-185.68	
			<i>For >40, Deduct</i>	-392.20	
26 56 13 00-0254	EA		25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,287.59	531.27
			<i>For Galvanized Finish, Add</i>	66.75	
			<i>For >10 To 20, Deduct</i>	-115.57	
			<i>For >20 To 40, Deduct</i>	-208.88	
			<i>For >40, Deduct</i>	-440.01	
26 56 13 00-0255	EA		30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,478.82	597.68
			<i>For Galvanized Finish, Add</i>	98.50	
			<i>For >10 To 20, Deduct</i>	-161.22	
			<i>For >20 To 40, Deduct</i>	-289.61	
			<i>For >40, Deduct</i>	-612.06	
26 56 13 00-0256	EA		20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,931.09	398.45
			<i>For Galvanized Finish, Add</i>	64.03	
			<i>For >10 To 20, Deduct</i>	-105.29	
			<i>For >20 To 40, Deduct</i>	-189.24	
			<i>For >40, Deduct</i>	-399.82	
26 56 13 00-0257	EA		25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,582.93	531.27
			<i>For Galvanized Finish, Add</i>	75.61	
			<i>For >10 To 20, Deduct</i>	-127.38	
			<i>For >20 To 40, Deduct</i>	-229.55	
			<i>For >40, Deduct</i>	-484.31	
26 56 13 00-0258	EA		30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,918.49	597.68
			<i>For Galvanized Finish, Add</i>	111.69	
			<i>For >10 To 20, Deduct</i>	-178.81	
			<i>For >20 To 40, Deduct</i>	-320.39	
			<i>For >40, Deduct</i>	-678.01	
26 56 13 00-0259	EA		35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,598.29	630.88
			<i>For Galvanized Finish, Add</i>	130.10	
			<i>For >10 To 20, Deduct</i>	-205.01	
			<i>For >20 To 40, Deduct</i>	-366.65	
			<i>For >40, Deduct</i>	-776.66	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0260	EA 39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,515.97 155.63 -240.72 -429.55 -910.99	664.08
26 56 13 00-0261	EA 20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,800.12 60.10 -100.05 -180.07 -380.17	398.45
26 56 13 00-0262	EA 25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,159.30 62.90 -110.43 -199.90 -420.77	531.27
26 56 13 00-0263	EA 30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,252.97 91.73 -152.19 -273.80 -578.18	597.68
26 56 13 00-0264	EA 20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,892.33 62.86 -103.74 -186.53 -394.00	398.45
26 56 13 00-0265	EA 25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,462.66 72.00 -122.57 -221.14 -466.27	531.27
26 56 13 00-0266	EA 30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,751.44 106.68 -172.13 -308.69 -652.95	597.68
26 56 13 00-0267	EA 20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,033.99 67.11 -109.41 -196.44 -415.25	398.45
26 56 13 00-0268	EA 25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,717.91 79.66 -132.78 -239.00 -504.56	531.27
26 56 13 00-0269	EA 30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,052.13 115.70 -184.15 -329.74 -698.05	597.68
26 56 13 00-0270	EA 35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,761.33 134.99 -211.53 -378.06 -801.11	630.88
26 56 13 00-0271	EA 39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,602.84 158.24 -244.19 -435.64 -924.02	664.08
26 56 13 00-0272	Square Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0273	Square Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0272)</small>		
26 56 13 00-0274	EA 20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,263.14 43.99 -78.57 -142.48 -299.63	398.45
26 56 13 00-0275	EA 25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,787.59 51.75 -95.57 -173.88 -365.01	531.27
26 56 13 00-0276	EA 30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,107.62 57.37 -106.37 -193.63 -406.38	597.68
26 56 13 00-0277	EA 35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,421.55 64.79 -117.94 -214.27 -450.14	630.88
26 56 13 00-0278	EA 39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,606.06 68.34 -124.32 -225.86 -474.50	664.08

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

26 56 13 00-0279	EA		20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,827.27 60.91 -101.14 -181.97 -384.25	398.45
26 56 13 00-0280	EA		25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,229.85 65.02 -113.26 -204.84 -431.35	531.27
26 56 13 00-0281	EA		30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,469.47 68.22 -120.85 -218.96 -460.65	597.68
26 56 13 00-0282	EA		30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,801.17 78.17 -134.12 -242.17 -510.41	597.68
26 56 13 00-0283	EA		35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,106.29 85.34 -145.33 -262.21 -552.86	630.88
26 56 13 00-0284	EA		35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,517.14 97.66 -161.76 -290.96 -614.48	630.88
26 56 13 00-0285	EA		39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,191.55 85.90 -147.74 -266.85 -562.32	664.08
26 56 13 00-0286	EA		39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,202.97 116.24 -188.20 -337.64 -714.04	664.08
26 56 13 00-0287	EA		45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,015.93 98.68 -174.74 -316.58 -666.06	863.31
26 56 13 00-0288	EA		45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,705.70 119.37 -202.33 -364.87 -769.52	863.31
26 56 13 00-0289	EA		50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	6,006.51 120.43 -210.38 -380.61 -801.36	996.13

26 56 13 00-0290 Factory Accessories For Steel Area Light Poles (26 56 13 00-0178)

26 56 13 00-0291	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	44.55	
26 56 13 00-0292	EA		Extra Handhole For Steel Area Light Poles	66.25	
26 56 13 00-0293	EA		Vibration Dampener For Steel Area Light Poles	67.39	

26 56 13 00-0294 Aluminum Area Light Poles (26 56 13 00-0177)

Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0295 Round Straight, Aluminum Area Light Poles (26 56 13 00-0294)

26 56 13 00-0296 Round Straight, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0295)

26 56 13 00-0297	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	922.69 52.42 104.85 -30.93 -56.62 -118.48	199.23
26 56 13 00-0298	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,015.98 55.11 110.22 -33.67 -61.82 -129.15	232.43
26 56 13 00-0299	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,116.00 58.47 116.95 -36.67 -67.49 -140.84	265.63

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0300	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,217.36	298.84
		For Bronze Or Satin Anodized Finish, Add	61.97	
		For Black Anodized Finish, Add	123.94	
		For >10 To 20, Deduct	-39.73	
		For >20 To 40, Deduct	-73.26	
		For >40, Deduct	-152.72	
26 56 13 00-0301	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,273.41	315.43
		For Bronze Or Satin Anodized Finish, Add	64.25	
		For Black Anodized Finish, Add	128.51	
		For >10 To 20, Deduct	-41.47	
		For >20 To 40, Deduct	-76.52	
		For >40, Deduct	-159.47	
26 56 13 00-0302	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,328.11	332.04
		For Bronze Or Satin Anodized Finish, Add	66.40	
		For Black Anodized Finish, Add	132.81	
		For >10 To 20, Deduct	-43.16	
		For >20 To 40, Deduct	-79.69	
		For >40, Deduct	-166.01	
26 56 13 00-0303	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,408.77	332.04
		For Bronze Or Satin Anodized Finish, Add	74.47	
		For Black Anodized Finish, Add	148.94	
		For >10 To 20, Deduct	-46.39	
		For >20 To 40, Deduct	-85.33	
		For >40, Deduct	-178.11	
26 56 13 00-0304	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,526.26	365.25
		For Bronze Or Satin Anodized Finish, Add	79.58	
		For Black Anodized Finish, Add	159.15	
		For >10 To 20, Deduct	-50.09	
		For >20 To 40, Deduct	-92.23	
		For >40, Deduct	-192.41	
26 56 13 00-0305	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,635.68	398.45
		For Bronze Or Satin Anodized Finish, Add	83.88	
		For Black Anodized Finish, Add	167.76	
		For >10 To 20, Deduct	-53.47	
		For >20 To 40, Deduct	-98.56	
		For >40, Deduct	-205.51	
26 56 13 00-0306	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,570.48	315.43
		For Bronze Or Satin Anodized Finish, Add	93.96	
		For Black Anodized Finish, Add	187.92	
		For >10 To 20, Deduct	-53.36	
		For >20 To 40, Deduct	-97.32	
		For >40, Deduct	-204.03	
26 56 13 00-0307	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,932.75	398.45
		For Bronze Or Satin Anodized Finish, Add	113.59	
		For Black Anodized Finish, Add	227.17	
		For >10 To 20, Deduct	-65.36	
		For >20 To 40, Deduct	-119.35	
		For >40, Deduct	-250.07	
26 56 13 00-0308	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,083.30	398.45
		For Bronze Or Satin Anodized Finish, Add	128.64	
		For Black Anodized Finish, Add	257.28	
		For >10 To 20, Deduct	-71.38	
		For >20 To 40, Deduct	-129.89	
		For >40, Deduct	-272.65	
26 56 13 00-0309	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,490.07	531.27
		For Bronze Or Satin Anodized Finish, Add	142.75	
		For Black Anodized Finish, Add	285.51	
		For >10 To 20, Deduct	-83.66	
		For >20 To 40, Deduct	-153.05	
		For >40, Deduct	-320.38	
26 56 13 00-0310	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,890.39	597.68
		For Bronze Or Satin Anodized Finish, Add	169.50	
		For Black Anodized Finish, Add	339.01	
		For >10 To 20, Deduct	-97.69	
		For >20 To 40, Deduct	-178.42	
		For >40, Deduct	-373.79	
26 56 13 00-0311	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,728.43	398.45
		For Bronze Or Satin Anodized Finish, Add	93.15	
		For Black Anodized Finish, Add	186.31	
		For >10 To 20, Deduct	-57.18	
		For >20 To 40, Deduct	-105.05	
		For >40, Deduct	-219.42	
26 56 13 00-0312	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,071.20	398.45
		For Bronze Or Satin Anodized Finish, Add	127.43	
		For Black Anodized Finish, Add	254.86	
		For >10 To 20, Deduct	-70.89	
		For >20 To 40, Deduct	-129.05	
		For >40, Deduct	-270.84	
26 56 13 00-0313	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,468.56	531.27
		For Bronze Or Satin Anodized Finish, Add	140.60	
		For Black Anodized Finish, Add	281.21	
		For >10 To 20, Deduct	-82.80	
		For >20 To 40, Deduct	-151.55	
		For >40, Deduct	-317.16	
26 56 13 00-0314	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,663.47	531.27
		For Bronze Or Satin Anodized Finish, Add	160.09	
		For Black Anodized Finish, Add	320.19	
		For >10 To 20, Deduct	-90.60	
		For >20 To 40, Deduct	-165.19	
		For >40, Deduct	-346.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0315	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	3,110.83	597.68
			<i>For Bronze Or Satin Anodized Finish, Add</i>	191.55	
			<i>For Black Anodized Finish, Add</i>	383.10	
			<i>For >10 To 20, Deduct</i>	-106.50	
			<i>For >20 To 40, Deduct</i>	-193.85	
			<i>For >40, Deduct</i>	-406.86	
26 56 13 00-0316			Round Straight, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0295)</small>		
26 56 13 00-0317	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,059.80	199.23
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	99.20	
			<i>For >10 To 20, Deduct</i>	-36.42	
			<i>For >20 To 40, Deduct</i>	-66.22	
			<i>For >40, Deduct</i>	-139.05	
26 56 13 00-0318	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,179.97	232.43
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	107.27	
			<i>For >10 To 20, Deduct</i>	-40.23	
			<i>For >20 To 40, Deduct</i>	-73.30	
			<i>For >40, Deduct</i>	-153.75	
26 56 13 00-0319	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,294.78	265.63
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	114.53	
			<i>For >10 To 20, Deduct</i>	-43.82	
			<i>For >20 To 40, Deduct</i>	-80.01	
			<i>For >40, Deduct</i>	-167.65	
26 56 13 00-0320	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,384.04	298.84
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	117.95	
			<i>For >10 To 20, Deduct</i>	-46.40	
			<i>For >20 To 40, Deduct</i>	-84.93	
			<i>For >40, Deduct</i>	-177.72	
26 56 13 00-0321	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,489.42	332.04
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	123.80	
			<i>For >10 To 20, Deduct</i>	-49.62	
			<i>For >20 To 40, Deduct</i>	-90.98	
			<i>For >40, Deduct</i>	-190.21	
26 56 13 00-0322	EA		10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,208.20	232.43
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	111.50	
			<i>For >10 To 20, Deduct</i>	-41.36	
			<i>For >20 To 40, Deduct</i>	-75.28	
			<i>For >40, Deduct</i>	-157.99	
26 56 13 00-0323	EA		12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,320.32	265.63
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	118.36	
			<i>For >10 To 20, Deduct</i>	-44.84	
			<i>For >20 To 40, Deduct</i>	-81.80	
			<i>For >40, Deduct</i>	-171.48	
26 56 13 00-0324	EA		14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,436.46	298.84
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	125.82	
			<i>For >10 To 20, Deduct</i>	-48.49	
			<i>For >20 To 40, Deduct</i>	-88.60	
			<i>For >40, Deduct</i>	-185.59	
26 56 13 00-0325	EA		16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,551.25	332.04
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	133.08	
			<i>For >10 To 20, Deduct</i>	-52.09	
			<i>For >20 To 40, Deduct</i>	-95.31	
			<i>For >40, Deduct</i>	-199.48	
26 56 13 00-0326	EA		18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,672.77	365.25
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	141.34	
			<i>For >10 To 20, Deduct</i>	-55.95	
			<i>For >20 To 40, Deduct</i>	-102.48	
			<i>For >40, Deduct</i>	-214.39	
26 56 13 00-0327	EA		20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,786.23	398.45
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	148.40	
			<i>For >10 To 20, Deduct</i>	-59.50	
			<i>For >20 To 40, Deduct</i>	-109.10	
			<i>For >40, Deduct</i>	-228.09	
26 56 13 00-0328	EA		12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,372.74	265.63
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	126.22	
			<i>For >10 To 20, Deduct</i>	-46.94	
			<i>For >20 To 40, Deduct</i>	-85.47	
			<i>For >40, Deduct</i>	-179.35	
26 56 13 00-0329	EA		14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,498.29	298.84
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	135.09	
			<i>For >10 To 20, Deduct</i>	-50.97	
			<i>For >20 To 40, Deduct</i>	-92.93	
			<i>For >40, Deduct</i>	-194.86	
26 56 13 00-0330	EA		16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,622.49	332.04
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	143.76	
			<i>For >10 To 20, Deduct</i>	-54.94	
			<i>For >20 To 40, Deduct</i>	-100.29	
			<i>For >40, Deduct</i>	-210.17	
26 56 13 00-0331	EA		18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,749.39	365.25
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	152.84	
			<i>For >10 To 20, Deduct</i>	-59.02	
			<i>For >20 To 40, Deduct</i>	-107.85	
			<i>For >40, Deduct</i>	-225.88	
26 56 13 00-0332	EA		16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,697.77	332.04
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	155.05	
			<i>For >10 To 20, Deduct</i>	-57.95	
			<i>For >20 To 40, Deduct</i>	-105.56	
			<i>For >40, Deduct</i>	-221.46	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0333	EA 20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,962.32 174.81 -66.54 -121.42 -254.50	398.45
26 56 13 00-0334	EA 12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,422.47 133.68 -48.93 -88.95 -186.81	265.63
26 56 13 00-0335	EA 14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,562.82 144.77 -53.55 -97.44 -204.54	298.84
26 56 13 00-0336	EA 16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,689.70 153.84 -57.63 -105.00 -220.25	332.04
26 56 13 00-0337	EA 18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,824.67 164.13 -62.03 -113.12 -237.18	365.25
26 56 13 00-0338	EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,955.60 173.81 -66.27 -120.95 -253.50	398.45
26 56 13 00-0339	EA 16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,787.83 168.56 -61.55 -111.87 -234.97	332.04
26 56 13 00-0340	EA 18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,934.89 180.66 -66.44 -120.83 -253.71	365.25
26 56 13 00-0341	EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,997.27 180.06 -67.94 -123.87 -259.75	398.45
26 56 13 00-0342	Round Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0295)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0343	EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	826.71 49.47 98.93 -28.09 -51.23 -107.40	166.02
26 56 13 00-0344	EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	885.46 52.02 104.04 -29.94 -54.68 -114.56	182.62
26 56 13 00-0345	EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	979.14 58.07 116.14 -33.19 -60.57 -126.95	199.23
26 56 13 00-0346	EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,010.06 61.16 122.32 -34.43 -62.74 -131.59	199.23
26 56 13 00-0347	EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,049.04 65.06 130.12 -35.98 -65.46 -137.43	199.23
26 56 13 00-0348	EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,200.53 76.89 153.78 -41.55 -75.40 -158.50	215.82
26 56 13 00-0349	EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,283.48 81.86 163.72 -44.37 -80.55 -169.28	232.43

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0350	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,491.83	232.43
			<i>For Bronze Or Satin Anodized Finish, Add</i>	102.70	
			<i>For Black Anodized Finish, Add</i>	205.39	
			<i>For >10 To 20, Deduct</i>	-52.70	
			<i>For >20 To 40, Deduct</i>	-95.13	
			<i>For >40, Deduct</i>	-200.53	
26 56 13 00-0351	EA		25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,825.73	265.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	129.45	
			<i>For Black Anodized Finish, Add</i>	258.89	
			<i>For >10 To 20, Deduct</i>	-65.06	
			<i>For >20 To 40, Deduct</i>	-117.18	
			<i>For >40, Deduct</i>	-247.30	
26 56 13 00-0352	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	2,072.27	298.84
			<i>For Bronze Or Satin Anodized Finish, Add</i>	147.46	
			<i>For Black Anodized Finish, Add</i>	294.92	
			<i>For >10 To 20, Deduct</i>	-73.93	
			<i>For >20 To 40, Deduct</i>	-133.11	
			<i>For >40, Deduct</i>	-280.96	
26 56 13 00-0353	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	2,318.26	298.84
			<i>For Bronze Or Satin Anodized Finish, Add</i>	172.06	
			<i>For Black Anodized Finish, Add</i>	344.12	
			<i>For >10 To 20, Deduct</i>	-83.77	
			<i>For >20 To 40, Deduct</i>	-150.32	
			<i>For >40, Deduct</i>	-317.86	
26 56 13 00-0354			Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0355			Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0354)</small>		
26 56 13 00-0356	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	778.86	199.23
			<i>For Bronze Or Satin Anodized Finish, Add</i>	38.04	
			<i>For Black Anodized Finish, Add</i>	76.08	
			<i>For >10 To 20, Deduct</i>	-25.18	
			<i>For >20 To 40, Deduct</i>	-46.55	
			<i>For >40, Deduct</i>	-96.91	
26 56 13 00-0357	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	876.19	232.43
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.13	
			<i>For Black Anodized Finish, Add</i>	82.27	
			<i>For >10 To 20, Deduct</i>	-28.07	
			<i>For >20 To 40, Deduct</i>	-52.04	
			<i>For >40, Deduct</i>	-108.19	
26 56 13 00-0358	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	973.51	265.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.22	
			<i>For Black Anodized Finish, Add</i>	88.45	
			<i>For >10 To 20, Deduct</i>	-30.97	
			<i>For >20 To 40, Deduct</i>	-57.52	
			<i>For >40, Deduct</i>	-119.46	
26 56 13 00-0359	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,082.94	298.84
			<i>For Bronze Or Satin Anodized Finish, Add</i>	48.53	
			<i>For Black Anodized Finish, Add</i>	97.05	
			<i>For >10 To 20, Deduct</i>	-34.35	
			<i>For >20 To 40, Deduct</i>	-63.85	
			<i>For >40, Deduct</i>	-132.56	
26 56 13 00-0360	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,191.01	332.04
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.69	
			<i>For Black Anodized Finish, Add</i>	105.39	
			<i>For >10 To 20, Deduct</i>	-37.68	
			<i>For >20 To 40, Deduct</i>	-70.09	
			<i>For >40, Deduct</i>	-145.45	
26 56 13 00-0361	EA		10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	911.13	232.43
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.63	
			<i>For Black Anodized Finish, Add</i>	89.25	
			<i>For >10 To 20, Deduct</i>	-29.47	
			<i>For >20 To 40, Deduct</i>	-54.48	
			<i>For >40, Deduct</i>	-113.43	
26 56 13 00-0362	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,028.62	265.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.74	
			<i>For Black Anodized Finish, Add</i>	99.47	
			<i>For >10 To 20, Deduct</i>	-33.18	
			<i>For >20 To 40, Deduct</i>	-61.38	
			<i>For >40, Deduct</i>	-127.73	
26 56 13 00-0363	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,142.08	298.84
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.44	
			<i>For Black Anodized Finish, Add</i>	108.88	
			<i>For >10 To 20, Deduct</i>	-36.72	
			<i>For >20 To 40, Deduct</i>	-67.99	
			<i>For >40, Deduct</i>	-141.43	
26 56 13 00-0364	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,359.58	365.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	62.91	
			<i>For Black Anodized Finish, Add</i>	125.82	
			<i>For >10 To 20, Deduct</i>	-43.43	
			<i>For >20 To 40, Deduct</i>	-80.56	
			<i>For >40, Deduct</i>	-167.41	
26 56 13 00-0365	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,459.59	398.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	66.27	
			<i>For Black Anodized Finish, Add</i>	132.54	
			<i>For >10 To 20, Deduct</i>	-46.43	
			<i>For >20 To 40, Deduct</i>	-86.23	
			<i>For >40, Deduct</i>	-179.09	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0366	EA 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,078.36	265.63
	For Bronze Or Satin Anodized Finish, Add	54.71	
	For Black Anodized Finish, Add	109.42	
	For >10 To 20, Deduct	-35.17	
	For >20 To 40, Deduct	-64.86	
	For >40, Deduct	-135.19	
26 56 13 00-0367	EA 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,199.88	298.84
	For Bronze Or Satin Anodized Finish, Add	60.22	
	For Black Anodized Finish, Add	120.44	
	For >10 To 20, Deduct	-39.03	
	For >20 To 40, Deduct	-72.04	
	For >40, Deduct	-150.10	
26 56 13 00-0368	EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,330.80	332.04
	For Bronze Or Satin Anodized Finish, Add	66.67	
	For Black Anodized Finish, Add	133.34	
	For >10 To 20, Deduct	-43.27	
	For >20 To 40, Deduct	-79.87	
	For >40, Deduct	-166.42	
26 56 13 00-0369	EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,437.54	365.25
	For Bronze Or Satin Anodized Finish, Add	70.71	
	For Black Anodized Finish, Add	141.41	
	For >10 To 20, Deduct	-46.54	
	For >20 To 40, Deduct	-86.02	
	For >40, Deduct	-179.11	
26 56 13 00-0370	EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,563.09	398.45
	For Bronze Or Satin Anodized Finish, Add	76.62	
	For Black Anodized Finish, Add	153.24	
	For >10 To 20, Deduct	-50.57	
	For >20 To 40, Deduct	-93.48	
	For >40, Deduct	-194.62	
26 56 13 00-0371	EA 16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,462.53	332.04
	For Bronze Or Satin Anodized Finish, Add	79.85	
	For Black Anodized Finish, Add	159.69	
	For >10 To 20, Deduct	-48.54	
	For >20 To 40, Deduct	-89.10	
	For >40, Deduct	-186.18	
26 56 13 00-0372	EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,605.56	365.25
	For Bronze Or Satin Anodized Finish, Add	87.51	
	For Black Anodized Finish, Add	175.01	
	For >10 To 20, Deduct	-53.27	
	For >20 To 40, Deduct	-97.78	
	For >40, Deduct	-204.31	
26 56 13 00-0373	EA 20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,693.48	398.45
	For Bronze Or Satin Anodized Finish, Add	89.66	
	For Black Anodized Finish, Add	179.32	
	For >10 To 20, Deduct	-55.79	
	For >20 To 40, Deduct	-102.61	
	For >40, Deduct	-214.18	
26 56 13 00-0374	EA 23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,945.94	464.86
	For Bronze Or Satin Anodized Finish, Add	101.62	
	For Black Anodized Finish, Add	203.24	
	For >10 To 20, Deduct	-63.89	
	For >20 To 40, Deduct	-117.62	
	For >40, Deduct	-245.41	
26 56 13 00-0375	EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,206.44	531.27
	For Bronze Or Satin Anodized Finish, Add	114.39	
	For Black Anodized Finish, Add	228.78	
	For >10 To 20, Deduct	-72.32	
	For >20 To 40, Deduct	-133.20	
	For >40, Deduct	-277.84	
26 56 13 00-0376	EA 18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,737.30	365.25
	For Bronze Or Satin Anodized Finish, Add	100.68	
	For Black Anodized Finish, Add	201.36	
	For >10 To 20, Deduct	-58.53	
	For >20 To 40, Deduct	-107.00	
	For >40, Deduct	-224.07	
26 56 13 00-0377	EA 20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,853.44	398.45
	For Bronze Or Satin Anodized Finish, Add	105.65	
	For Black Anodized Finish, Add	211.31	
	For >10 To 20, Deduct	-62.18	
	For >20 To 40, Deduct	-113.80	
	For >40, Deduct	-238.17	
26 56 13 00-0378	EA 23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,072.29	464.86
	For Bronze Or Satin Anodized Finish, Add	114.26	
	For Black Anodized Finish, Add	228.51	
	For >10 To 20, Deduct	-68.95	
	For >20 To 40, Deduct	-126.47	
	For >40, Deduct	-264.36	
26 56 13 00-0379	EA 25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,303.23	531.27
	For Bronze Or Satin Anodized Finish, Add	124.07	
	For Black Anodized Finish, Add	248.14	
	For >10 To 20, Deduct	-76.19	
	For >20 To 40, Deduct	-139.98	
	For >40, Deduct	-292.36	
26 56 13 00-0380	EA 28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,478.52	564.47
	For Bronze Or Satin Anodized Finish, Add	134.96	
	For Black Anodized Finish, Add	269.92	
	For >10 To 20, Deduct	-82.21	
	For >20 To 40, Deduct	-150.92	
	For >40, Deduct	-315.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0381	EA		30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,656.50	597.68
			<i>For Bronze Or Satin Anodized Finish, Add</i>	146.12	
			<i>For Black Anodized Finish, Add</i>	292.23	
			<i>For >10 To 20, Deduct</i>	-88.33	
			<i>For >20 To 40, Deduct</i>	-162.05	
			<i>For >40, Deduct</i>	-338.71	
26 56 13 00-0382	EA		23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,197.30	464.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	126.76	
			<i>For Black Anodized Finish, Add</i>	253.52	
			<i>For >10 To 20, Deduct</i>	-73.95	
			<i>For >20 To 40, Deduct</i>	-135.22	
			<i>For >40, Deduct</i>	-283.11	
26 56 13 00-0383	EA		25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,386.57	531.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	132.40	
			<i>For Black Anodized Finish, Add</i>	264.81	
			<i>For >10 To 20, Deduct</i>	-79.52	
			<i>For >20 To 40, Deduct</i>	-145.81	
			<i>For >40, Deduct</i>	-304.86	
26 56 13 00-0384	EA		28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,568.58	564.47
			<i>For Bronze Or Satin Anodized Finish, Add</i>	143.96	
			<i>For Black Anodized Finish, Add</i>	287.93	
			<i>For >10 To 20, Deduct</i>	-85.81	
			<i>For >20 To 40, Deduct</i>	-157.22	
			<i>For >40, Deduct</i>	-328.84	
26 56 13 00-0385	EA		30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,796.29	597.68
			<i>For Bronze Or Satin Anodized Finish, Add</i>	160.09	
			<i>For Black Anodized Finish, Add</i>	320.19	
			<i>For >10 To 20, Deduct</i>	-93.92	
			<i>For >20 To 40, Deduct</i>	-171.83	
			<i>For >40, Deduct</i>	-359.68	
26 56 13 00-0386	EA		33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,889.98	614.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	166.14	
			<i>For Black Anodized Finish, Add</i>	332.29	
			<i>For >10 To 20, Deduct</i>	-97.17	
			<i>For >20 To 40, Deduct</i>	-177.73	
			<i>For >40, Deduct</i>	-372.07	
26 56 13 00-0387	EA		35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,085.84	630.88
			<i>For Bronze Or Satin Anodized Finish, Add</i>	182.41	
			<i>For Black Anodized Finish, Add</i>	364.82	
			<i>For >10 To 20, Deduct</i>	-104.51	
			<i>For >20 To 40, Deduct</i>	-190.77	
			<i>For >40, Deduct</i>	-399.79	
26 56 13 00-0388	EA		12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,133.47	265.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	60.22	
			<i>For Black Anodized Finish, Add</i>	120.44	
			<i>For >10 To 20, Deduct</i>	-37.37	
			<i>For >20 To 40, Deduct</i>	-68.72	
			<i>For >40, Deduct</i>	-143.46	
26 56 13 00-0389	EA		14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,264.40	298.84
			<i>For Bronze Or Satin Anodized Finish, Add</i>	66.67	
			<i>For Black Anodized Finish, Add</i>	133.34	
			<i>For >10 To 20, Deduct</i>	-41.61	
			<i>For >20 To 40, Deduct</i>	-76.55	
			<i>For >40, Deduct</i>	-159.78	
26 56 13 00-0390	EA		16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,400.70	332.04
			<i>For Bronze Or Satin Anodized Finish, Add</i>	73.66	
			<i>For Black Anodized Finish, Add</i>	147.32	
			<i>For >10 To 20, Deduct</i>	-46.07	
			<i>For >20 To 40, Deduct</i>	-84.77	
			<i>For >40, Deduct</i>	-176.90	
26 56 13 00-0391	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,522.22	365.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	79.17	
			<i>For Black Anodized Finish, Add</i>	158.35	
			<i>For >10 To 20, Deduct</i>	-49.93	
			<i>For >20 To 40, Deduct</i>	-91.95	
			<i>For >40, Deduct</i>	-191.81	
26 56 13 00-0392	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,642.40	398.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	84.55	
			<i>For Black Anodized Finish, Add</i>	169.10	
			<i>For >10 To 20, Deduct</i>	-53.74	
			<i>For >20 To 40, Deduct</i>	-99.03	
			<i>For >40, Deduct</i>	-206.52	
26 56 13 00-0393	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,547.22	332.04
			<i>For Bronze Or Satin Anodized Finish, Add</i>	88.31	
			<i>For Black Anodized Finish, Add</i>	176.63	
			<i>For >10 To 20, Deduct</i>	-51.93	
			<i>For >20 To 40, Deduct</i>	-95.02	
			<i>For >40, Deduct</i>	-198.88	
26 56 13 00-0394	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,694.28	365.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	96.38	
			<i>For Black Anodized Finish, Add</i>	192.76	
			<i>For >10 To 20, Deduct</i>	-56.81	
			<i>For >20 To 40, Deduct</i>	-103.99	
			<i>For >40, Deduct</i>	-217.62	
26 56 13 00-0395	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,799.67	398.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	100.28	
			<i>For Black Anodized Finish, Add</i>	200.55	
			<i>For >10 To 20, Deduct</i>	-60.03	
			<i>For >20 To 40, Deduct</i>	-110.04	
			<i>For >40, Deduct</i>	-230.11	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0396	EA 23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,045.41	464.86
	For Bronze Or Satin Anodized Finish, Add	111.57	
	For Black Anodized Finish, Add	223.14	
	For >10 To 20, Deduct	-67.87	
	For >20 To 40, Deduct	-124.58	
	For >40, Deduct	-260.33	
26 56 13 00-0397	EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,299.19	531.27
	For Bronze Or Satin Anodized Finish, Add	123.67	
	For Black Anodized Finish, Add	247.33	
	For >10 To 20, Deduct	-76.03	
	For >20 To 40, Deduct	-139.69	
	For >40, Deduct	-291.75	
26 56 13 00-0398	EA 23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,349.20	464.86
	For Bronze Or Satin Anodized Finish, Add	141.95	
	For Black Anodized Finish, Add	283.90	
	For >10 To 20, Deduct	-80.02	
	For >20 To 40, Deduct	-145.85	
	For >40, Deduct	-305.89	
26 56 13 00-0399	EA 25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,588.20	531.27
	For Bronze Or Satin Anodized Finish, Add	152.57	
	For Black Anodized Finish, Add	305.13	
	For >10 To 20, Deduct	-87.59	
	For >20 To 40, Deduct	-159.92	
	For >40, Deduct	-335.10	
26 56 13 00-0400	EA 28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,786.34	564.47
	For Bronze Or Satin Anodized Finish, Add	165.74	
	For Black Anodized Finish, Add	331.48	
	For >10 To 20, Deduct	-94.52	
	For >20 To 40, Deduct	-172.47	
	For >40, Deduct	-361.50	
26 56 13 00-0401	EA 30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,961.63	597.68
	For Bronze Or Satin Anodized Finish, Add	176.63	
	For Black Anodized Finish, Add	353.26	
	For >10 To 20, Deduct	-100.53	
	For >20 To 40, Deduct	-183.41	
	For >40, Deduct	-384.48	
26 56 13 00-0402	EA 33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,125.22	614.27
	For Bronze Or Satin Anodized Finish, Add	189.67	
	For Black Anodized Finish, Add	379.33	
	For >10 To 20, Deduct	-106.58	
	For >20 To 40, Deduct	-194.19	
	For >40, Deduct	-407.36	
26 56 13 00-0403	EA 35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,267.31	630.88
	For Bronze Or Satin Anodized Finish, Add	200.56	
	For Black Anodized Finish, Add	401.11	
	For >10 To 20, Deduct	-111.77	
	For >20 To 40, Deduct	-203.48	
	For >40, Deduct	-427.01	
26 56 13 00-0404	EA 37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,387.88	647.48
	For Bronze Or Satin Anodized Finish, Add	209.29	
	For Black Anodized Finish, Add	418.58	
	For >10 To 20, Deduct	-116.09	
	For >20 To 40, Deduct	-211.25	
	For >40, Deduct	-443.43	
26 56 13 00-0405	EA 39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,609.28	664.08
	For Bronze Or Satin Anodized Finish, Add	228.11	
	For Black Anodized Finish, Add	456.22	
	For >10 To 20, Deduct	-124.45	
	For >20 To 40, Deduct	-226.09	
	For >40, Deduct	-474.98	
26 56 13 00-0406	EA 28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,367.03	564.47
	For Bronze Or Satin Anodized Finish, Add	223.81	
	For Black Anodized Finish, Add	447.62	
	For >10 To 20, Deduct	-117.75	
	For >20 To 40, Deduct	-213.11	
	For >40, Deduct	-448.61	
26 56 13 00-0407	EA 30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,633.73	597.68
	For Bronze Or Satin Anodized Finish, Add	243.84	
	For Black Anodized Finish, Add	487.68	
	For >10 To 20, Deduct	-127.42	
	For >20 To 40, Deduct	-230.45	
	For >40, Deduct	-485.29	
26 56 13 00-0408	EA 33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,824.20	614.27
	For Bronze Or Satin Anodized Finish, Add	259.57	
	For Black Anodized Finish, Add	519.13	
	For >10 To 20, Deduct	-134.54	
	For >20 To 40, Deduct	-243.12	
	For >40, Deduct	-512.20	
26 56 13 00-0409	EA 35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,967.63	630.88
	For Bronze Or Satin Anodized Finish, Add	270.59	
	For Black Anodized Finish, Add	541.17	
	For >10 To 20, Deduct	-139.78	
	For >20 To 40, Deduct	-252.50	
	For >40, Deduct	-532.06	
26 56 13 00-0410	EA 37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,045.19	647.48
	For Bronze Or Satin Anodized Finish, Add	275.02	
	For Black Anodized Finish, Add	550.05	
	For >10 To 20, Deduct	-142.38	
	For >20 To 40, Deduct	-257.26	
	For >40, Deduct	-542.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0411	EA		39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,289.44 296.13 592.25 -151.66 -273.70 -577.01	664.08
26 56 13 00-0412	EA		28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,182.88 205.39 410.79 -110.38 -200.22 -420.99	564.47
26 56 13 00-0413	EA		30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,425.38 223.00 446.01 -119.08 -215.87 -454.04	597.68
26 56 13 00-0414	EA		33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,519.07 229.05 458.10 -122.33 -221.76 -466.43	614.27
26 56 13 00-0415	EA		35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,767.35 250.56 501.12 -131.77 -238.48 -502.01	630.88
26 56 13 00-0416	EA		37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,886.58 259.16 518.32 -136.04 -246.16 -518.24	647.48
26 56 13 00-0417	EA		39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,132.17 280.40 560.80 -145.36 -262.69 -553.42	664.08
26 56 13 00-0418	EA		28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,024.35 289.54 579.08 -144.04 -259.13 -547.21	564.47
26 56 13 00-0419	EA		30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,254.75 305.94 611.88 -152.26 -273.93 -578.45	597.68
26 56 13 00-0420	EA		33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,447.91 321.94 643.87 -159.49 -286.78 -605.76	614.27
26 56 13 00-0421	EA		35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,749.96 348.82 697.64 -171.07 -307.26 -649.41	630.88
26 56 13 00-0422	EA		37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,812.73 351.78 703.55 -173.08 -310.99 -657.16	647.48
26 56 13 00-0423	EA		39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,113.44 378.53 757.05 -184.62 -331.38 -700.61	664.08
26 56 13 00-0424	EA		48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	6,399.88 440.76 881.53 -226.11 -408.15 -860.37	996.13
26 56 13 00-0425	EA		50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	6,566.56 457.43 914.86 -232.78 -419.81 -885.37	996.13

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0426	Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0354)</small>		
26 56 13 00-0427	EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,067.86	199.23
	For Bronze, Satin Or Black Anodized Finish, Add	100.41	
	For >10 To 20, Deduct	-36.74	
	For >20 To 40, Deduct	-66.78	
	For >40, Deduct	-140.26	
26 56 13 00-0428	EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,162.50	232.43
	For Bronze, Satin Or Black Anodized Finish, Add	104.65	
	For >10 To 20, Deduct	-39.53	
	For >20 To 40, Deduct	-72.08	
	For >40, Deduct	-151.13	
26 56 13 00-0429	EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,258.48	265.63
	For Bronze, Satin Or Black Anodized Finish, Add	109.08	
	For >10 To 20, Deduct	-42.37	
	For >20 To 40, Deduct	-77.47	
	For >40, Deduct	-162.21	
26 56 13 00-0430	EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,357.15	298.84
	For Bronze, Satin Or Black Anodized Finish, Add	113.92	
	For >10 To 20, Deduct	-45.32	
	For >20 To 40, Deduct	-83.05	
	For >40, Deduct	-173.69	
26 56 13 00-0431	EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,454.47	332.04
	For Bronze, Satin Or Black Anodized Finish, Add	118.56	
	For >10 To 20, Deduct	-48.22	
	For >20 To 40, Deduct	-88.53	
	For >40, Deduct	-184.97	
26 56 13 00-0432	EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,178.63	232.43
	For Bronze, Satin Or Black Anodized Finish, Add	107.07	
	For >10 To 20, Deduct	-40.17	
	For >20 To 40, Deduct	-73.21	
	For >40, Deduct	-153.55	
26 56 13 00-0433	EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,277.30	265.63
	For Bronze, Satin Or Black Anodized Finish, Add	111.90	
	For >10 To 20, Deduct	-43.12	
	For >20 To 40, Deduct	-78.79	
	For >40, Deduct	-165.03	
26 56 13 00-0434	EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,378.66	298.84
	For Bronze, Satin Or Black Anodized Finish, Add	117.15	
	For >10 To 20, Deduct	-46.18	
	For >20 To 40, Deduct	-84.55	
	For >40, Deduct	-176.92	
26 56 13 00-0435	EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,478.67	332.04
	For Bronze, Satin Or Black Anodized Finish, Add	122.19	
	For >10 To 20, Deduct	-49.19	
	For >20 To 40, Deduct	-90.23	
	For >40, Deduct	-188.60	
26 56 13 00-0436	EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,596.15	365.25
	For Bronze, Satin Or Black Anodized Finish, Add	129.85	
	For >10 To 20, Deduct	-52.89	
	For >20 To 40, Deduct	-97.12	
	For >40, Deduct	-202.90	
26 56 13 00-0437	EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,701.55	398.45
	For Bronze, Satin Or Black Anodized Finish, Add	135.70	
	For >10 To 20, Deduct	-56.11	
	For >20 To 40, Deduct	-103.17	
	For >40, Deduct	-215.39	
26 56 13 00-0438	EA 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,329.72	265.63
	For Bronze, Satin Or Black Anodized Finish, Add	119.77	
	For >10 To 20, Deduct	-45.22	
	For >20 To 40, Deduct	-82.46	
	For >40, Deduct	-172.89	
26 56 13 00-0439	EA 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,437.80	298.84
	For Bronze, Satin Or Black Anodized Finish, Add	126.02	
	For >10 To 20, Deduct	-48.55	
	For >20 To 40, Deduct	-88.69	
	For >40, Deduct	-185.79	
26 56 13 00-0440	EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,562.01	332.04
	For Bronze, Satin Or Black Anodized Finish, Add	134.69	
	For >10 To 20, Deduct	-52.52	
	For >20 To 40, Deduct	-96.06	
	For >40, Deduct	-201.10	
26 56 13 00-0441	EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,672.77	365.25
	For Bronze, Satin Or Black Anodized Finish, Add	141.34	
	For >10 To 20, Deduct	-55.95	
	For >20 To 40, Deduct	-102.48	
	For >40, Deduct	-214.39	
26 56 13 00-0442	EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,801.02	398.45
	For Bronze, Satin Or Black Anodized Finish, Add	150.62	
	For >10 To 20, Deduct	-60.09	
	For >20 To 40, Deduct	-110.13	
	For >40, Deduct	-230.31	
26 56 13 00-0443	EA 16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,638.62	332.04
	For Bronze, Satin Or Black Anodized Finish, Add	146.18	
	For >10 To 20, Deduct	-55.58	
	For >20 To 40, Deduct	-101.42	
	For >40, Deduct	-212.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0444	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,776.28	365.25
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	156.87	
			<i>For >10 To 20, Deduct</i>	-60.09	
			<i>For >20 To 40, Deduct</i>	-109.73	
			<i>For >40, Deduct</i>	-229.92	
26 56 13 00-0445	EA		20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,884.36	398.45
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	163.12	
			<i>For >10 To 20, Deduct</i>	-63.42	
			<i>For >20 To 40, Deduct</i>	-115.97	
			<i>For >40, Deduct</i>	-242.81	
26 56 13 00-0446	EA		12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,371.39	265.63
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	126.02	
			<i>For >10 To 20, Deduct</i>	-46.89	
			<i>For >20 To 40, Deduct</i>	-85.37	
			<i>For >40, Deduct</i>	-179.15	
26 56 13 00-0447	EA		14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,500.98	298.84
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	135.50	
			<i>For >10 To 20, Deduct</i>	-51.07	
			<i>For >20 To 40, Deduct</i>	-93.12	
			<i>For >40, Deduct</i>	-195.26	
26 56 13 00-0448	EA		16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,638.62	332.04
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	146.18	
			<i>For >10 To 20, Deduct</i>	-55.58	
			<i>For >20 To 40, Deduct</i>	-101.42	
			<i>For >40, Deduct</i>	-212.59	
26 56 13 00-0449	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,760.15	365.25
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	154.45	
			<i>For >10 To 20, Deduct</i>	-59.45	
			<i>For >20 To 40, Deduct</i>	-108.60	
			<i>For >40, Deduct</i>	-227.50	
26 56 13 00-0450	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,891.08	398.45
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	164.13	
			<i>For >10 To 20, Deduct</i>	-63.69	
			<i>For >20 To 40, Deduct</i>	-116.44	
			<i>For >40, Deduct</i>	-243.82	
26 56 13 00-0451	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,726.00	332.04
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	159.29	
			<i>For >10 To 20, Deduct</i>	-59.08	
			<i>For >20 To 40, Deduct</i>	-107.54	
			<i>For >40, Deduct</i>	-225.70	
26 56 13 00-0452	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,874.40	365.25
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	171.59	
			<i>For >10 To 20, Deduct</i>	-64.02	
			<i>For >20 To 40, Deduct</i>	-116.60	
			<i>For >40, Deduct</i>	-244.64	
26 56 13 00-0453	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,989.21	398.45
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	178.85	
			<i>For >10 To 20, Deduct</i>	-67.61	
			<i>For >20 To 40, Deduct</i>	-123.31	
			<i>For >40, Deduct</i>	-258.54	
26 56 13 00-0454			Round Tapered, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0354)</small>		
			Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0455	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	729.92	166.02
			<i>For Bronze Or Satin Anodized Finish, Add</i>	39.79	
			<i>For Black Anodized Finish, Add</i>	79.58	
			<i>For >10 To 20, Deduct</i>	-24.22	
			<i>For >20 To 40, Deduct</i>	-44.45	
			<i>For >40, Deduct</i>	-92.89	
26 56 13 00-0456	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	767.56	166.02
			<i>For Bronze Or Satin Anodized Finish, Add</i>	43.55	
			<i>For Black Anodized Finish, Add</i>	87.10	
			<i>For >10 To 20, Deduct</i>	-25.72	
			<i>For >20 To 40, Deduct</i>	-47.09	
			<i>For >40, Deduct</i>	-98.53	
26 56 13 00-0457	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	831.69	182.62
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.64	
			<i>For Black Anodized Finish, Add</i>	93.29	
			<i>For >10 To 20, Deduct</i>	-27.79	
			<i>For >20 To 40, Deduct</i>	-50.91	
			<i>For >40, Deduct</i>	-106.49	
26 56 13 00-0458	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	886.39	199.23
			<i>For Bronze Or Satin Anodized Finish, Add</i>	48.79	
			<i>For Black Anodized Finish, Add</i>	97.59	
			<i>For >10 To 20, Deduct</i>	-29.48	
			<i>For >20 To 40, Deduct</i>	-54.08	
			<i>For >40, Deduct</i>	-113.04	
26 56 13 00-0459	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	934.79	199.23
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.63	
			<i>For Black Anodized Finish, Add</i>	107.27	
			<i>For >10 To 20, Deduct</i>	-31.41	
			<i>For >20 To 40, Deduct</i>	-57.47	
			<i>For >40, Deduct</i>	-120.30	
26 56 13 00-0460	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	867.98	182.62
			<i>For Bronze Or Satin Anodized Finish, Add</i>	50.27	
			<i>For Black Anodized Finish, Add</i>	100.55	
			<i>For >10 To 20, Deduct</i>	-29.24	
			<i>For >20 To 40, Deduct</i>	-53.45	
			<i>For >40, Deduct</i>	-111.93	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0461	EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	938.82	199.23
	For Bronze Or Satin Anodized Finish, Add	54.04	
	For Black Anodized Finish, Add	108.07	
	For >10 To 20, Deduct	-31.58	
	For >20 To 40, Deduct	-57.75	
	For >40, Deduct	-120.90	
26 56 13 00-0462	EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	965.70	199.23
	For Bronze Or Satin Anodized Finish, Add	56.73	
	For Black Anodized Finish, Add	113.45	
	For >10 To 20, Deduct	-32.65	
	For >20 To 40, Deduct	-59.63	
	For >40, Deduct	-124.93	
26 56 13 00-0463	EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,041.92	215.82
	For Bronze Or Satin Anodized Finish, Add	61.03	
	For Black Anodized Finish, Add	122.05	
	For >10 To 20, Deduct	-35.20	
	For >20 To 40, Deduct	-64.30	
	For >40, Deduct	-134.71	
26 56 13 00-0464	EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,112.76	232.43
	For Bronze Or Satin Anodized Finish, Add	64.79	
	For Black Anodized Finish, Add	129.58	
	For >10 To 20, Deduct	-37.54	
	For >20 To 40, Deduct	-68.60	
	For >40, Deduct	-143.67	
26 56 13 00-0465	EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,043.67	199.23
	For Bronze Or Satin Anodized Finish, Add	64.52	
	For Black Anodized Finish, Add	129.04	
	For >10 To 20, Deduct	-35.77	
	For >20 To 40, Deduct	-65.09	
	For >40, Deduct	-136.63	
26 56 13 00-0466	EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,127.95	215.82
	For Bronze Or Satin Anodized Finish, Add	69.63	
	For Black Anodized Finish, Add	139.26	
	For >10 To 20, Deduct	-38.64	
	For >20 To 40, Deduct	-70.32	
	For >40, Deduct	-147.61	
26 56 13 00-0467	EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,205.51	232.43
	For Bronze Or Satin Anodized Finish, Add	74.07	
	For Black Anodized Finish, Add	148.13	
	For >10 To 20, Deduct	-41.25	
	For >20 To 40, Deduct	-75.09	
	For >40, Deduct	-157.58	
26 56 13 00-0468	EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,238.17	215.82
	For Bronze Or Satin Anodized Finish, Add	80.65	
	For Black Anodized Finish, Add	161.30	
	For >10 To 20, Deduct	-43.05	
	For >20 To 40, Deduct	-78.04	
	For >40, Deduct	-164.14	
26 56 13 00-0469	EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,589.16	265.63
	For Bronze Or Satin Anodized Finish, Add	105.79	
	For Black Anodized Finish, Add	211.58	
	For >10 To 20, Deduct	-55.60	
	For >20 To 40, Deduct	-100.62	
	For >40, Deduct	-211.81	
26 56 13 00-0470	EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,741.05	265.63
	For Bronze Or Satin Anodized Finish, Add	120.98	
	For Black Anodized Finish, Add	241.96	
	For >10 To 20, Deduct	-61.67	
	For >20 To 40, Deduct	-111.25	
	For >40, Deduct	-234.59	
26 56 13 00-0471	EA 30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,937.85	298.84
	For Bronze Or Satin Anodized Finish, Add	134.02	
	For Black Anodized Finish, Add	268.03	
	For >10 To 20, Deduct	-68.55	
	For >20 To 40, Deduct	-123.70	
	For >40, Deduct	-260.79	
26 56 13 00-0472	EA 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	2,103.18	298.84
	For Bronze Or Satin Anodized Finish, Add	150.55	
	For Black Anodized Finish, Add	301.10	
	For >10 To 20, Deduct	-75.16	
	For >20 To 40, Deduct	-135.27	
	For >40, Deduct	-285.59	
26 56 13 00-0473	Square Straight, Aluminum Area Light Poles (26 56 13 00-0294)		
26 56 13 00-0474	Square Straight, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0473)		
26 56 13 00-0475	EA 8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	953.60	199.23
	For Bronze Or Satin Anodized Finish, Add	55.52	
	For Black Anodized Finish, Add	111.03	
	For >10 To 20, Deduct	-32.17	
	For >20 To 40, Deduct	-58.78	
	For >40, Deduct	-123.12	
26 56 13 00-0476	EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,048.24	232.43
	For Bronze Or Satin Anodized Finish, Add	58.34	
	For Black Anodized Finish, Add	116.68	
	For >10 To 20, Deduct	-34.96	
	For >20 To 40, Deduct	-64.08	
	For >40, Deduct	-133.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0477	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,153.63	265.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	62.24	
			<i>For Black Anodized Finish, Add</i>	124.47	
			<i>For >10 To 20, Deduct</i>	-38.18	
			<i>For >20 To 40, Deduct</i>	-70.13	
			<i>For >40, Deduct</i>	-146.48	
26 56 13 00-0478	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,257.68	298.84
			<i>For Bronze Or Satin Anodized Finish, Add</i>	66.00	
			<i>For Black Anodized Finish, Add</i>	132.00	
			<i>For >10 To 20, Deduct</i>	-41.34	
			<i>For >20 To 40, Deduct</i>	-76.08	
			<i>For >40, Deduct</i>	-158.77	
26 56 13 00-0479	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,315.08	315.43
			<i>For Bronze Or Satin Anodized Finish, Add</i>	68.42	
			<i>For Black Anodized Finish, Add</i>	136.84	
			<i>For >10 To 20, Deduct</i>	-43.14	
			<i>For >20 To 40, Deduct</i>	-79.44	
			<i>For >40, Deduct</i>	-165.72	
26 56 13 00-0480	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,372.47	332.04
			<i>For Bronze Or Satin Anodized Finish, Add</i>	70.84	
			<i>For Black Anodized Finish, Add</i>	141.68	
			<i>For >10 To 20, Deduct</i>	-44.94	
			<i>For >20 To 40, Deduct</i>	-82.79	
			<i>For >40, Deduct</i>	-172.67	
26 56 13 00-0481	EA		18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,484.59	365.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	75.41	
			<i>For Black Anodized Finish, Add</i>	150.82	
			<i>For >10 To 20, Deduct</i>	-48.43	
			<i>For >20 To 40, Deduct</i>	-89.31	
			<i>For >40, Deduct</i>	-186.16	
26 56 13 00-0482	EA		20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,608.80	398.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	81.19	
			<i>For Black Anodized Finish, Add</i>	162.38	
			<i>For >10 To 20, Deduct</i>	-52.40	
			<i>For >20 To 40, Deduct</i>	-96.68	
			<i>For >40, Deduct</i>	-201.48	
26 56 13 00-0483	EA		16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,465.22	332.04
			<i>For Bronze Or Satin Anodized Finish, Add</i>	80.11	
			<i>For Black Anodized Finish, Add</i>	160.23	
			<i>For >10 To 20, Deduct</i>	-48.65	
			<i>For >20 To 40, Deduct</i>	-89.28	
			<i>For >40, Deduct</i>	-186.58	
26 56 13 00-0484	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,580.02	365.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	84.95	
			<i>For Black Anodized Finish, Add</i>	169.91	
			<i>For >10 To 20, Deduct</i>	-52.24	
			<i>For >20 To 40, Deduct</i>	-95.99	
			<i>For >40, Deduct</i>	-200.48	
26 56 13 00-0485	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,712.30	398.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	91.54	
			<i>For Black Anodized Finish, Add</i>	183.08	
			<i>For >10 To 20, Deduct</i>	-56.54	
			<i>For >20 To 40, Deduct</i>	-103.92	
			<i>For >40, Deduct</i>	-217.00	
26 56 13 00-0486	EA		15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,718.34	315.43
			<i>For Bronze Or Satin Anodized Finish, Add</i>	108.75	
			<i>For Black Anodized Finish, Add</i>	217.49	
			<i>For >10 To 20, Deduct</i>	-59.27	
			<i>For >20 To 40, Deduct</i>	-107.67	
			<i>For >40, Deduct</i>	-226.21	
26 56 13 00-0487	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	2,098.09	398.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	130.12	
			<i>For Black Anodized Finish, Add</i>	260.24	
			<i>For >10 To 20, Deduct</i>	-71.97	
			<i>For >20 To 40, Deduct</i>	-130.93	
			<i>For >40, Deduct</i>	-274.87	
26 56 13 00-0488	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	2,531.74	531.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	146.92	
			<i>For Black Anodized Finish, Add</i>	293.84	
			<i>For >10 To 20, Deduct</i>	-85.33	
			<i>For >20 To 40, Deduct</i>	-155.97	
			<i>For >40, Deduct</i>	-326.63	
26 56 13 00-0489	EA		20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,795.64	398.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	99.87	
			<i>For Black Anodized Finish, Add</i>	199.75	
			<i>For >10 To 20, Deduct</i>	-59.87	
			<i>For >20 To 40, Deduct</i>	-109.76	
			<i>For >40, Deduct</i>	-229.50	
26 56 13 00-0490	EA		20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,260.73	398.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	146.38	
			<i>For Black Anodized Finish, Add</i>	292.77	
			<i>For >10 To 20, Deduct</i>	-78.48	
			<i>For >20 To 40, Deduct</i>	-142.31	
			<i>For >40, Deduct</i>	-299.26	
26 56 13 00-0491	EA		25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,679.60	531.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	161.71	
			<i>For Black Anodized Finish, Add</i>	323.41	
			<i>For >10 To 20, Deduct</i>	-91.25	
			<i>For >20 To 40, Deduct</i>	-166.32	
			<i>For >40, Deduct</i>	-348.81	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0492	EA		20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,516.13	398.45
			For Bronze Or Satin Anodized Finish, Add	171.92	
			For Black Anodized Finish, Add	343.85	
			For >10 To 20, Deduct	-88.69	
			For >20 To 40, Deduct	-160.19	
			For >40, Deduct	-337.57	
26 56 13 00-0493	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	3,012.96	531.27
			For Bronze Or Satin Anodized Finish, Add	195.04	
			For Black Anodized Finish, Add	390.09	
			For >10 To 20, Deduct	-104.58	
			For >20 To 40, Deduct	-189.66	
			For >40, Deduct	-398.82	
26 56 13 00-0494	EA		30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	3,492.59	597.68
			For Bronze Or Satin Anodized Finish, Add	229.72	
			For Black Anodized Finish, Add	459.45	
			For >10 To 20, Deduct	-121.77	
			For >20 To 40, Deduct	-220.57	
			For >40, Deduct	-464.12	
26 56 13 00-0495			Square Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0473)</small>		
			Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0496	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	861.65	166.02
			For Bronze Or Satin Anodized Finish, Add	52.96	
			For Black Anodized Finish, Add	105.92	
			For >10 To 20, Deduct	-29.49	
			For >20 To 40, Deduct	-53.67	
			For >40, Deduct	-112.65	
26 56 13 00-0497	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	963.42	182.62
			For Bronze Or Satin Anodized Finish, Add	59.82	
			For Black Anodized Finish, Add	119.63	
			For >10 To 20, Deduct	-33.06	
			For >20 To 40, Deduct	-60.13	
			For >40, Deduct	-126.25	
26 56 13 00-0498	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	1,024.85	199.23
			For Bronze Or Satin Anodized Finish, Add	62.64	
			For Black Anodized Finish, Add	125.28	
			For >10 To 20, Deduct	-35.02	
			For >20 To 40, Deduct	-63.77	
			For >40, Deduct	-133.81	
26 56 13 00-0499	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	1,058.45	199.23
			For Bronze Or Satin Anodized Finish, Add	66.00	
			For Black Anodized Finish, Add	132.00	
			For >10 To 20, Deduct	-36.36	
			For >20 To 40, Deduct	-66.12	
			For >40, Deduct	-138.85	
26 56 13 00-0500	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	1,100.12	199.23
			For Bronze Or Satin Anodized Finish, Add	70.17	
			For Black Anodized Finish, Add	140.33	
			For >10 To 20, Deduct	-38.03	
			For >20 To 40, Deduct	-69.04	
			For >40, Deduct	-145.10	
26 56 13 00-0501	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,275.81	215.82
			For Bronze Or Satin Anodized Finish, Add	84.42	
			For Black Anodized Finish, Add	168.83	
			For >10 To 20, Deduct	-44.56	
			For >20 To 40, Deduct	-80.67	
			For >40, Deduct	-169.79	
26 56 13 00-0502	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,366.82	232.43
			For Bronze Or Satin Anodized Finish, Add	90.20	
			For Black Anodized Finish, Add	180.39	
			For >10 To 20, Deduct	-47.70	
			For >20 To 40, Deduct	-86.38	
			For >40, Deduct	-181.78	
26 56 13 00-0503	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,577.86	232.43
			For Bronze Or Satin Anodized Finish, Add	111.30	
			For Black Anodized Finish, Add	222.60	
			For >10 To 20, Deduct	-56.14	
			For >20 To 40, Deduct	-101.15	
			For >40, Deduct	-213.44	
26 56 13 00-0504	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,813.64	265.63
			For Bronze Or Satin Anodized Finish, Add	128.24	
			For Black Anodized Finish, Add	256.47	
			For >10 To 20, Deduct	-64.58	
			For >20 To 40, Deduct	-116.33	
			For >40, Deduct	-245.48	
26 56 13 00-0505	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	2,285.45	265.63
			For Bronze Or Satin Anodized Finish, Add	175.42	
			For Black Anodized Finish, Add	350.84	
			For >10 To 20, Deduct	-83.45	
			For >20 To 40, Deduct	-149.36	
			For >40, Deduct	-316.25	
26 56 13 00-0506			Factory Accessories For Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0507	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	44.55	
26 56 13 00-0508	EA		Extra Handhole For Aluminum Area Light Poles	50.10	
26 56 13 00-0509	EA		Vibration Dampener For Aluminum Area Light Poles	67.39	

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

26 56 13 00-0510			Fiberglass Area Light Poles (26 56 13 00-0177) Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0511			Round Tapered, Fiberglass Area Light Poles (26 56 13 00-0510)		
26 56 13 00-0512			Round Tapered, Fiberglass Area Light Poles, Anchor Base (26 56 13 00-0511)		
26 56 13 00-0513	EA		10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,203.64	232.43
			For >10 To 20, Deduct	-41.17	
			For >20 To 40, Deduct	-74.96	
			For >40, Deduct	-157.30	
26 56 13 00-0514	EA		12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,314.02	265.63
			For >10 To 20, Deduct	-44.59	
			For >20 To 40, Deduct	-81.36	
			For >40, Deduct	-170.54	
26 56 13 00-0515	EA		14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,425.66	298.84
			For >10 To 20, Deduct	-48.06	
			For >20 To 40, Deduct	-87.84	
			For >40, Deduct	-183.97	
26 56 13 00-0516	EA		16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,536.04	332.04
			For >10 To 20, Deduct	-51.48	
			For >20 To 40, Deduct	-94.24	
			For >40, Deduct	-197.20	
26 56 13 00-0517	EA		18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,669.04	365.25
			For >10 To 20, Deduct	-55.80	
			For >20 To 40, Deduct	-102.22	
			For >40, Deduct	-213.83	
26 56 13 00-0518	EA		20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,781.93	398.45
			For >10 To 20, Deduct	-59.32	
			For >20 To 40, Deduct	-108.80	
			For >40, Deduct	-227.44	
26 56 13 00-0519	EA		22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,959.98	464.86
			For >10 To 20, Deduct	-64.45	
			For >20 To 40, Deduct	-118.60	
			For >40, Deduct	-247.51	
26 56 13 00-0520	EA		24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,136.77	531.27
			For >10 To 20, Deduct	-69.53	
			For >20 To 40, Deduct	-128.32	
			For >40, Deduct	-267.39	
26 56 13 00-0521	EA		26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,238.54	531.27
			For >10 To 20, Deduct	-73.60	
			For >20 To 40, Deduct	-135.45	
			For >40, Deduct	-282.65	
26 56 13 00-0522	EA		28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,394.15	564.47
			For >10 To 20, Deduct	-78.83	
			For >20 To 40, Deduct	-145.01	
			For >40, Deduct	-302.68	
26 56 13 00-0523	EA		30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,549.77	597.68
			For >10 To 20, Deduct	-84.06	
			For >20 To 40, Deduct	-154.58	
			For >40, Deduct	-322.70	
26 56 13 00-0524	EA		10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,319.23	232.43
			For >10 To 20, Deduct	-45.80	
			For >20 To 40, Deduct	-83.05	
			For >40, Deduct	-174.64	
26 56 13 00-0525	EA		12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,406.99	265.63
			For >10 To 20, Deduct	-48.31	
			For >20 To 40, Deduct	-87.86	
			For >40, Deduct	-184.49	
26 56 13 00-0526	EA		14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,496.02	298.84
			For >10 To 20, Deduct	-50.88	
			For >20 To 40, Deduct	-92.77	
			For >40, Deduct	-194.52	
26 56 13 00-0527	EA		16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,587.55	332.04
			For >10 To 20, Deduct	-53.54	
			For >20 To 40, Deduct	-97.85	
			For >40, Deduct	-204.93	
26 56 13 00-0528	EA		18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,685.37	365.25
			For >10 To 20, Deduct	-56.46	
			For >20 To 40, Deduct	-103.37	
			For >40, Deduct	-216.28	
26 56 13 00-0529	EA		20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,781.93	398.45
			For >10 To 20, Deduct	-59.32	
			For >20 To 40, Deduct	-108.80	
			For >40, Deduct	-227.44	
26 56 13 00-0530	EA		22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,944.91	464.86
			For >10 To 20, Deduct	-63.85	
			For >20 To 40, Deduct	-117.55	
			For >40, Deduct	-245.25	
26 56 13 00-0531	EA		24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,136.77	531.27
			For >10 To 20, Deduct	-69.53	
			For >20 To 40, Deduct	-128.32	
			For >40, Deduct	-267.39	
26 56 13 00-0532	EA		26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,179.49	531.27
			For >10 To 20, Deduct	-71.24	
			For >20 To 40, Deduct	-131.31	
			For >40, Deduct	-273.80	
26 56 13 00-0533	EA		28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,289.87	564.47
			For >10 To 20, Deduct	-74.66	
			For >20 To 40, Deduct	-137.71	
			For >40, Deduct	-287.03	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0534	EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,400.26	597.68
	For >10 To 20, Deduct	-78.08	
	For >20 To 40, Deduct	-144.11	
	For >40, Deduct	-300.27	
26 56 13 00-0535	EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,488.84	232.43
	For >10 To 20, Deduct	-52.58	
	For >20 To 40, Deduct	-94.92	
	For >40, Deduct	-200.08	
26 56 13 00-0536	EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,594.20	265.63
	For >10 To 20, Deduct	-55.80	
	For >20 To 40, Deduct	-100.97	
	For >40, Deduct	-212.57	
26 56 13 00-0537	EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,699.56	298.84
	For >10 To 20, Deduct	-59.02	
	For >20 To 40, Deduct	-107.02	
	For >40, Deduct	-225.05	
26 56 13 00-0538	EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,806.17	332.04
	For >10 To 20, Deduct	-62.29	
	For >20 To 40, Deduct	-113.15	
	For >40, Deduct	-237.72	
26 56 13 00-0539	EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,917.81	365.25
	For >10 To 20, Deduct	-65.76	
	For >20 To 40, Deduct	-119.64	
	For >40, Deduct	-251.15	
26 56 13 00-0540	EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,036.99	398.45
	For >10 To 20, Deduct	-69.53	
	For >20 To 40, Deduct	-126.65	
	For >40, Deduct	-265.70	
26 56 13 00-0541	EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,233.88	464.86
	For >10 To 20, Deduct	-75.41	
	For >20 To 40, Deduct	-137.78	
	For >40, Deduct	-288.60	
26 56 13 00-0542	EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,432.03	531.27
	For >10 To 20, Deduct	-81.34	
	For >20 To 40, Deduct	-148.99	
	For >40, Deduct	-311.68	
26 56 13 00-0543	EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,497.36	531.27
	For >10 To 20, Deduct	-83.96	
	For >20 To 40, Deduct	-153.56	
	For >40, Deduct	-321.48	
26 56 13 00-0544	EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,666.80	564.47
	For >10 To 20, Deduct	-89.74	
	For >20 To 40, Deduct	-164.10	
	For >40, Deduct	-343.57	
26 56 13 00-0545	EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,807.34	597.68
	For >10 To 20, Deduct	-94.36	
	For >20 To 40, Deduct	-172.61	
	For >40, Deduct	-361.33	
26 56 13 00-0546	EA 32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,914.67	614.27
	For >10 To 20, Deduct	-98.16	
	For >20 To 40, Deduct	-179.46	
	For >40, Deduct	-375.77	
26 56 13 00-0547	EA 34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,022.00	630.88
	For >10 To 20, Deduct	-101.95	
	For >20 To 40, Deduct	-186.30	
	For >40, Deduct	-390.21	
26 56 13 00-0548	Round Tapered, Fiberglass Area Light Poles, Direct Burial (26 56 13 00-0511)		
26 56 13 00-0549	EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	754.20	166.02
	For >10 To 20, Deduct	-25.19	
	For >20 To 40, Deduct	-46.15	
	For >40, Deduct	-96.53	
26 56 13 00-0550	EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	811.28	182.62
	For >10 To 20, Deduct	-26.97	
	For >20 To 40, Deduct	-49.48	
	For >40, Deduct	-103.43	
26 56 13 00-0551	EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	867.09	199.23
	For >10 To 20, Deduct	-28.71	
	For >20 To 40, Deduct	-52.73	
	For >40, Deduct	-110.14	
26 56 13 00-0552	EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	888.45	199.23
	For >10 To 20, Deduct	-29.56	
	For >20 To 40, Deduct	-54.22	
	For >40, Deduct	-113.35	
26 56 13 00-0553	EA 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	956.83	215.82
	For >10 To 20, Deduct	-31.80	
	For >20 To 40, Deduct	-58.35	
	For >40, Deduct	-121.94	
26 56 13 00-0554	EA 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,015.17	232.43
	For >10 To 20, Deduct	-33.63	
	For >20 To 40, Deduct	-61.76	
	For >40, Deduct	-129.03	
26 56 13 00-0555	EA 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,077.27	249.03
	For >10 To 20, Deduct	-35.62	
	For >20 To 40, Deduct	-65.45	
	For >40, Deduct	-136.69	

Electrical	26
Lighting	26 50
Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0556	EA		24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,145.66	265.63
			<i>For >10 To 20, Deduct</i>	-37.86	
			<i>For >20 To 40, Deduct</i>	-69.57	
			<i>For >40, Deduct</i>	-145.29	
26 56 13 00-0557	EA		26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,266.28	265.63
			<i>For >10 To 20, Deduct</i>	-42.68	
			<i>For >20 To 40, Deduct</i>	-78.01	
			<i>For >40, Deduct</i>	-163.38	
26 56 13 00-0558	EA		28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,420.09	282.23
			<i>For >10 To 20, Deduct</i>	-48.34	
			<i>For >20 To 40, Deduct</i>	-88.12	
			<i>For >40, Deduct</i>	-184.79	
26 56 13 00-0559	EA		30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,573.92	298.84
			<i>For >10 To 20, Deduct</i>	-53.99	
			<i>For >20 To 40, Deduct</i>	-98.22	
			<i>For >40, Deduct</i>	-206.20	
26 56 13 00-0560	EA		10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	869.79	166.02
			<i>For >10 To 20, Deduct</i>	-29.81	
			<i>For >20 To 40, Deduct</i>	-54.24	
			<i>For >40, Deduct</i>	-113.87	
26 56 13 00-0561	EA		12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	933.15	182.62
			<i>For >10 To 20, Deduct</i>	-31.85	
			<i>For >20 To 40, Deduct</i>	-58.02	
			<i>For >40, Deduct</i>	-121.71	
26 56 13 00-0562	EA		14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	996.51	199.23
			<i>For >10 To 20, Deduct</i>	-33.88	
			<i>For >20 To 40, Deduct</i>	-61.79	
			<i>For >40, Deduct</i>	-129.55	
26 56 13 00-0563	EA		16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,027.92	199.23
			<i>For >10 To 20, Deduct</i>	-35.14	
			<i>For >20 To 40, Deduct</i>	-63.99	
			<i>For >40, Deduct</i>	-134.27	
26 56 13 00-0564	EA		18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,091.27	215.82
			<i>For >10 To 20, Deduct</i>	-37.18	
			<i>For >20 To 40, Deduct</i>	-67.76	
			<i>For >40, Deduct</i>	-142.11	
26 56 13 00-0565	EA		20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,154.63	232.43
			<i>For >10 To 20, Deduct</i>	-39.21	
			<i>For >20 To 40, Deduct</i>	-71.53	
			<i>For >40, Deduct</i>	-149.95	
26 56 13 00-0566	EA		22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,217.99	249.03
			<i>For >10 To 20, Deduct</i>	-41.25	
			<i>For >20 To 40, Deduct</i>	-75.30	
			<i>For >40, Deduct</i>	-157.80	
26 56 13 00-0567	EA		24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,310.25	265.63
			<i>For >10 To 20, Deduct</i>	-44.44	
			<i>For >20 To 40, Deduct</i>	-81.09	
			<i>For >40, Deduct</i>	-169.97	
26 56 13 00-0568	EA		26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,427.10	265.63
			<i>For >10 To 20, Deduct</i>	-49.11	
			<i>For >20 To 40, Deduct</i>	-89.27	
			<i>For >40, Deduct</i>	-187.50	
26 56 13 00-0569	EA		28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,578.40	282.23
			<i>For >10 To 20, Deduct</i>	-54.67	
			<i>For >20 To 40, Deduct</i>	-99.20	
			<i>For >40, Deduct</i>	-208.54	
26 56 13 00-0570	EA		30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,728.46	298.84
			<i>For >10 To 20, Deduct</i>	-60.17	
			<i>For >20 To 40, Deduct</i>	-109.04	
			<i>For >40, Deduct</i>	-229.39	
26 56 13 00-0571	EA		10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	971.56	166.02
			<i>For >10 To 20, Deduct</i>	-33.88	
			<i>For >20 To 40, Deduct</i>	-61.37	
			<i>For >40, Deduct</i>	-129.13	
26 56 13 00-0572	EA		12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,027.38	182.62
			<i>For >10 To 20, Deduct</i>	-35.62	
			<i>For >20 To 40, Deduct</i>	-64.61	
			<i>For >40, Deduct</i>	-135.84	
26 56 13 00-0573	EA		14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,081.94	199.23
			<i>For >10 To 20, Deduct</i>	-37.30	
			<i>For >20 To 40, Deduct</i>	-67.77	
			<i>For >40, Deduct</i>	-142.37	
26 56 13 00-0574	EA		16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,103.30	199.23
			<i>For >10 To 20, Deduct</i>	-38.16	
			<i>For >20 To 40, Deduct</i>	-69.26	
			<i>For >40, Deduct</i>	-145.57	
26 56 13 00-0575	EA		18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,157.86	215.82
			<i>For >10 To 20, Deduct</i>	-39.84	
			<i>For >20 To 40, Deduct</i>	-72.42	
			<i>For >40, Deduct</i>	-152.10	
26 56 13 00-0576	EA		20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,213.69	232.43
			<i>For >10 To 20, Deduct</i>	-41.57	
			<i>For >20 To 40, Deduct</i>	-75.66	
			<i>For >40, Deduct</i>	-158.81	
26 56 13 00-0577	EA		22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,312.22	249.03
			<i>For >10 To 20, Deduct</i>	-45.02	
			<i>For >20 To 40, Deduct</i>	-81.89	
			<i>For >40, Deduct</i>	-171.93	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0578	EA		24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,425.84	265.63
			For >10 To 20, Deduct	-49.06	
			For >20 To 40, Deduct	-89.18	
			For >40, Deduct	-187.31	
26 56 13 00-0579	EA		26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,498.71	265.63
			For >10 To 20, Deduct	-51.98	
			For >20 To 40, Deduct	-94.28	
			For >40, Deduct	-198.24	
26 56 13 00-0580	EA		28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,606.04	282.23
			For >10 To 20, Deduct	-55.77	
			For >20 To 40, Deduct	-101.13	
			For >40, Deduct	-212.68	
26 56 13 00-0581	EA		30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,713.38	298.84
			For >10 To 20, Deduct	-59.57	
			For >20 To 40, Deduct	-107.98	
			For >40, Deduct	-227.12	
26 56 13 00-0582			Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0510)		
26 56 13 00-0583	EA		Open Or Capped Top For Fiberglass Area Light Poles.....	44.55	
26 56 13 00-0584	EA		Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	44.55	
26 56 13 00-0585	EA		Smooth Shaft Finish For Fiberglass Area Light Poles.....	84.52	
26 56 13 00-0586	EA		Vibration Dampener For Fiberglass Area Light Poles.....	111.94	
26 56 13 00-0587			Concrete Area Light Poles (26 56 13 00-0177)		
26 56 13 00-0588			Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0587)		
26 56 13 00-0589	EA		28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,014.63	564.47
26 56 13 00-0590	EA		30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,125.33	597.68
26 56 13 00-0591	EA		33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,201.79	614.27
26 56 13 00-0592	EA		36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,671.46	630.88
26 56 13 00-0593	EA		38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,949.31	664.08
26 56 13 00-0594	EA		43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,671.05	863.31
26 56 13 00-0595	EA		47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,412.01	1,062.53
26 56 13 00-0596	EA		27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,044.96	564.47
			Note: Polished brown with acrylic coating finish.		
26 56 13 00-0597	EA		30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,641.56	597.68
			Note: Polished brown with acrylic coating finish.		
26 56 13 00-0598	EA		Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'.....	527.38	199.23
26 56 13 00-0599	EA		13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design.....	2,417.97	398.31
26 56 13 00-0600	EA		Pole Base Cover For All Octagon Poles.....	206.06	81.28
26 56 13 00-0601	EA		Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	3,419.91	162.57
26 56 13 00-0602			Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)		
			Note: Round or square.		
26 56 13 00-0603	EA		13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	1,994.33	265.63
26 56 13 00-0604	EA		16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,269.44	332.04
26 56 13 00-0605	EA		18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,521.82	398.45
26 56 13 00-0606	EA		30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,535.01	597.68
26 56 13 00-0607	EA		35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,047.34	630.88
26 56 13 00-0608	EA		40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,599.95	664.08
26 56 13 00-0609	EA		45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,379.03	863.31
26 56 13 00-0610			Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)		
26 56 13 00-0611	EA		60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	11,403.98	1,494.19
26 56 13 00-0612	EA		70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	13,698.96	1,918.01
26 56 13 00-0613	EA		80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	16,345.42	2,590.99
26 56 13 00-0614			Treated Wood Area Light Poles (26 56 13 00-0177)		
			See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0615			Cast Iron Decorative Light Posts (26 56 13 00-0177)		
26 56 13 00-0616			Round Tapered, Cast Iron Decorative Light Post, Anchor Base (26 56 13 00-0615)		
			Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617	EA		10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	907.42	166.02
26 56 13 00-0618	EA		12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	973.17	191.26
26 56 13 00-0619	EA		14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,047.12	199.23
26 56 13 00-0620	EA		16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,274.16	232.43
26 56 13 00-0621	EA		18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,469.00	252.35
26 56 13 00-0622	EA		20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,672.30	272.28
26 56 13 00-0623			Landscape Light Poles (26 56 13 00-0001)		
			Note: Excludes lighting fixtures.		
26 56 13 00-0624			Aluminum Landscape Light Poles (26 56 13 00-0623)		
			Note: Includes painted finish.		
26 56 13 00-0625			Round Straight, Aluminum Landscape Light Poles (26 56 13 00-0624)		
26 56 13 00-0626			Round Straight, Aluminum Landscape Light Poles, Anchor Base (26 56 13 00-0625)		
26 56 13 00-0627	EA		7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	518.07	199.23
26 56 13 00-0628	EA		12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	909.85	265.63

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

26 56 13 00-0629			Round Straight, Aluminum Landscape Light Poles, Direct Burial <small>(26 56 13 00-0625)</small>		
26 56 13 00-0630	EA		7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	461.78	199.23
26 56 13 00-0631	EA		12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	853.56	265.63
26 56 13 00-0632			Steel Landscape Light Poles <small>(26 56 13 00-0623)</small>		
			Note: Includes painted finish.		
26 56 13 00-0633			Round Straight, Steel Landscape Light Poles <small>(26 56 13 00-0632)</small>		
26 56 13 00-0634			Round Straight, Steel Landscape Light Poles, Anchor Base <small>(26 56 13 00-0633)</small>		
26 56 13 00-0635	EA		6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	474.50	199.23
26 56 13 00-0636			Round Straight, Steel Landscape Light Poles, Direct Burial <small>(26 56 13 00-0633)</small>		
26 56 13 00-0637	EA		6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	457.46	199.23
26 56 13 00-0638			Light Pole Brackets And Arms <small>(26 56 13 00-0001)</small>		
26 56 13 00-0639			Light Pole Brackets <small>(26 56 13 00-0638)</small>		
26 56 13 00-0640			Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0639)</small>		
26 56 13 00-0641			Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0640)</small>		
26 56 13 00-0642			Steel, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0641)</small>		
			Note: Includes powdercoat finish.		
26 56 13 00-0643	EA		Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	384.67	39.85
			<i>For Galvanized Finish, Add</i>	30.50	
26 56 13 00-0644	EA		Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	476.69	39.85
			<i>For Galvanized Finish, Add</i>	39.70	
26 56 13 00-0645	EA		Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	504.78	39.85
			<i>For Galvanized Finish, Add</i>	42.51	
26 56 13 00-0646	EA		Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	678.15	39.85
			<i>For Galvanized Finish, Add</i>	59.85	
26 56 13 00-0647	EA		Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	705.15	39.85
			<i>For Galvanized Finish, Add</i>	62.55	
26 56 13 00-0648			Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0641)</small>		
			Note: Includes satin brushed or painted finish.		
26 56 13 00-0649	EA		Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	298.79	39.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	21.91	
			<i>For Black Anodized Finish, Add</i>	43.82	
26 56 13 00-0650	EA		Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	368.69	39.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	28.90	
			<i>For Black Anodized Finish, Add</i>	57.80	
26 56 13 00-0651	EA		Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	387.51	39.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	30.78	
			<i>For Black Anodized Finish, Add</i>	61.56	
26 56 13 00-0652	EA		Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	453.38	39.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	37.37	
			<i>For Black Anodized Finish, Add</i>	74.74	
26 56 13 00-0653	EA		Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	466.82	39.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	38.71	
			<i>For Black Anodized Finish, Add</i>	77.43	
26 56 13 00-0654			Square Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0640)</small>		
26 56 13 00-0655			Steel, Square Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0654)</small>		
			Note: Includes powdercoat finish.		
26 56 13 00-0656	EA		Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	410.95	39.85
			<i>For Galvanized Finish, Add</i>	33.13	
26 56 13 00-0657	EA		Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	499.09	39.85
			<i>For Galvanized Finish, Add</i>	41.94	
26 56 13 00-0658	EA		Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	602.61	39.85
			<i>For Galvanized Finish, Add</i>	52.29	
26 56 13 00-0659	EA		Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	706.61	39.85
			<i>For Galvanized Finish, Add</i>	62.69	
26 56 13 00-0660			Wood Pole Clamp On Style, Pole Top Area Light Brackets <small>(26 56 13 00-0639)</small>		
26 56 13 00-0661			Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets <small>(26 56 13 00-0660)</small>		
			Note: Includes powdercoat finish.		
26 56 13 00-0662	EA		One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	414.92	66.41
26 56 13 00-0663	EA		Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	595.32	66.41
26 56 13 00-0664	EA		Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	808.77	66.41
26 56 13 00-0665	EA		Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	878.99	66.41
26 56 13 00-0666			Light Pole Arms <small>(26 56 13 00-0638)</small>		
26 56 13 00-0667			Wood Pole Streetlight Arms <small>(26 56 13 00-0666)</small>		

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0668	Steel, Wood Pole Streetlight Arms (26 56 13 00-0667)		
26 56 13 00-0669	EA 1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	260.23	59.76
26 56 13 00-0670	EA 1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	278.23	66.41
26 56 13 00-0671	EA 1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	328.02	83.01
26 56 13 00-0672	EA 2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	364.68	66.41
26 56 13 00-0673	EA 2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	414.22	83.01
26 56 13 00-0674	EA 2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	501.79	99.61
26 56 13 00-0675	Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0667)		
26 56 13 00-0676	EA 1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	283.34	66.41
26 56 13 00-0677	EA 2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	360.54	66.41
26 56 13 00-0678	EA 2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	485.45	83.01
26 56 13 00-0679	EA 2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	642.36	99.61
26 56 13 00-0680	Area Light Arms (26 56 13 00-0666)		
26 56 13 00-0681	Steel Area Light Arms (26 56 13 00-0680)		
26 56 13 00-0682	EA Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	454.46	66.41
26 56 13 00-0683	EA Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	685.10	73.05
26 56 13 00-0684	EA Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	759.95	79.69
26 56 13 00-0685	EA Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	895.11	86.33
26 56 13 00-0686	EA Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	545.46	83.01
26 56 13 00-0687	EA Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	753.48	89.65
26 56 13 00-0688	Aluminum Area Light Arms (26 56 13 00-0680)		
26 56 13 00-0689	EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	351.92	66.41
26 56 13 00-0690	EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	433.52	83.01
26 56 13 00-0691	EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	517.81	99.61
26 56 13 00-0692	EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	349.24	66.41
26 56 13 00-0693	EA Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	507.69	73.05
26 56 13 00-0694	EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	428.14	83.01
26 56 13 00-0695	EA Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	618.85	89.65
26 56 13 00-0696	EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	520.49	99.61
26 56 13 00-0697	EA Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	752.87	106.26
26 56 13 00-0698	Removal And Reinstallation Of Lighting Pole (26 56 13 00-0001)		
26 56 13 00-0699	EA Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms.....	2,191.48	
26 56 13 00-0700	High Mast Lighting (26 56 13 00-0001)		
26 56 13 00-0701	High Mast Lighting Assemblies (26 56 13 00-0700)		
Note: Includes Non Latching System, Ring Assembly With Internal Bumper, Acrylic Top Cover, Pulley Supports, Cast Arm Filter For Pipe Tenion, Transition Assembly, Standard Head Frame Assembly, Standard Hoist, Pole. As Manufactured By Metrolux			
26 56 13 00-0702	EA 60' High Mast Lighting Assembly.....	32,959.76	2,129.06
26 56 13 00-0703	EA 70' High Mast Lighting Assembly.....	34,803.43	2,229.87
26 56 13 00-0704	EA 80' High Mast Lighting Assembly.....	36,696.09	2,375.51
26 56 13 00-0705	EA 90' High Mast Lighting Assembly.....	38,636.68	2,565.96
26 56 13 00-0706	EA 100' High Mast Lighting Assembly.....	40,457.13	2,801.14
26 56 13 00-0707	EA 110' High Mast Lighting Assembly.....	43,150.10	3,081.47
26 56 13 00-0708	EA 120' High Mast Lighting Assembly.....	45,233.19	3,361.56
26 56 13 00-0709	EA 130' High Mast Lighting Assembly.....	47,168.55	3,641.66
26 56 13 00-0710	EA 140' High Mast Lighting Assembly.....	49,248.14	3,921.89
26 56 13 00-0711	EA 150' High Mast Lighting Assembly.....	51,740.19	4,201.98
26 56 13 00-0712	High Mast Light Poles As Manufactured By Metrolux (26 56 13 00-0700)		
26 56 13 00-0713	EA 60' High Mast Light Poles.....	13,113.09	1,278.67
26 56 13 00-0714	EA 70' High Mast Light Poles.....	14,926.46	1,339.24
26 56 13 00-0715	EA 80' High Mast Light Poles.....	16,775.39	1,426.73
26 56 13 00-0716	EA 90' High Mast Light Poles.....	18,658.78	1,541.14
26 56 13 00-0717	EA 100' High Mast Light Poles.....	20,577.72	1,682.47
26 56 13 00-0718	EA 110' High Mast Light Poles.....	22,532.22	1,850.71
26 56 13 00-0719	EA 120' High Mast Light Poles.....	24,045.65	2,018.96
26 56 13 00-0720	EA 130' High Mast Light Poles.....	23,225.54	3,741.79
26 56 13 00-0721	EA 140' High Mast Light Poles.....	26,926.17	2,355.45
26 56 13 00-0722	EA 150' High Mast Light Poles.....	28,585.89	2,523.70
26 56 13 00-0723	High Mast Lighting Accessories (26 56 13 00-0700)		
Note: As Manufactured By Metrolux See CSI section 26 56 19 00-0023 for light fixtures.			
26 56 13 00-0724	EA Bottom Latching System For High Mast Lighting.....	618.20	
26 56 13 00-0725	EA Top Latching System For High Mast Lighting.....	1,676.89	
26 56 13 00-0726	EA Centering Springs For High Mast Lighting.....	1,269.23	
26 56 13 00-0727	EA Electric Power Cord For High Mast Lighting.....	552.82	
26 56 13 00-0728	EA Aircraft Warning Lights For High Mast Lighting.....	1,062.37	
26 56 13 00-0729	EA Internal Motorized Hoist For High Mast Lighting.....	10,176.48	
26 56 13 00-0730	EA Portable Hoist Motor With Step Down Transformer For High Mast Lighting.....	10,287.73	

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

26 56 13 00-0731			Concrete Bases (26 56 13 00-0001)		
26 56 13 00-0732			Precast Concrete Light Pole Base, Square And Round (26 56 13 00-0731)		
26 56 13 00-0733	LF		Square 12" x 12" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply).....	118.27	
26 56 13 00-0734	LF		Square 18" x 18" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply).....	128.67	
26 56 13 00-0735	LF		Square 24" x 24" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply).....	156.41	
26 56 13 00-0736	LF		Square 30" x 30" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply).....	163.05	
26 56 13 00-0737	LF		Round 24" Precast Concrete Light Pole Base	128.93	
26 56 13 00-0738	LF		Round 30" Precast Concrete Light Pole Base	143.70	
26 56 13 00-0739	LF		Round 36" Precast Concrete Light Pole Base	169.93	

26 56 19 Roadway Lighting (26 56)

26 56 19 00-0001			Metal Halide, Pole Mounted (26 56 19)		
26 56 19 00-0002	EA		175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	611.07	273.25
26 56 19 00-0003	EA		250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	684.75	296.60
26 56 19 00-0004	EA		400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	788.02	319.06
26 56 19 00-0005	EA		1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,017.92	373.94

26 56 19 00-0006 High Pressure Sodium, Pole Mounted (26 56 19)

26 56 19 00-0007	EA		100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	518.02	319.06
26 56 19 00-0008	EA		150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	526.28	319.06
26 56 19 00-0009	EA		175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	548.19	319.06
26 56 19 00-0010	EA		250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	591.80	319.06
26 56 19 00-0011	EA		400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	685.17	319.06
26 56 19 00-0012	EA		1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	978.86	319.06

26 56 19 00-0013 Low Pressure Sodium, Pole Mounted (26 56 19)

26 56 19 00-0014	EA		135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed.....	600.64	173.57
26 56 19 00-0015	EA		135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	685.63	255.25
26 56 19 00-0016	EA		180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	776.85	255.25

26 56 19 00-0017 Street Light Accessories (26 56 19)

26 56 19 00-0018 Photo Controls (26 56 19 00-0017)

26 56 19 00-0019	EA		Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	97.55	
26 56 19 00-0020	EA		Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	110.05	

26 56 19 00-0021 Connector Node (26 56 19 00-0017)

26 56 19 00-0022	EA		Outdoor Lighting Connector Node (Philips City Touch LLC7260).....	317.45	3.50
------------------	----	--	---	--------	------

26 56 19 00-0023 High Mast Fixtures (26 56 19)

26 56 19 00-0024 Metal Halide (26 56 19 00-0023)

26 56 19 00-0025	EA		400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	824.41	167.57
26 56 19 00-0026	EA		400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	870.61	167.57
26 56 19 00-0027	EA		750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	885.94	191.43
26 56 19 00-0028	EA		750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	913.65	191.43
26 56 19 00-0029	EA		1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	963.61	239.30
26 56 19 00-0030	EA		1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	991.32	239.30

26 56 19 00-0031 High Pressure Sodium (26 56 19 00-0023)

26 56 19 00-0032	EA		400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux.....	843.35	167.57
26 56 19 00-0033	EA		400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	871.06	167.57
26 56 19 00-0034	EA		600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,007.84	177.14
26 56 19 00-0035	EA		750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,040.85	191.43
26 56 19 00-0036	EA		1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,132.37	239.30

26 56 19 00-0037 LED Roadway Lighting (26 56 19)

26 56 19 00-0038 LED Roadway Lighting (Philips Lumec) (26 56 19 00-0037)

26 56 19 00-0039 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) (26 56 19 00-0038)

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0040	EA		49 LEDs, 102 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	1,032.49	162.75
26 56 19 00-0041	EA		98 LEDs, 204 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	1,540.60	167.14

26 56 19 00-0042 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) (26 56 19 00-0038)

Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 56 19 00-0043	EA	48 LEDs, 55 System Watts, Type III Medium, 120-277 Volts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series)	788.10		162.75
26 56 19 00-0044	EA	48 LEDs, 80 System Watts, Type III Medium, 120-277 Volts, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	788.10		162.75
26 56 19 00-0045	EA	48 LEDs, 108 System Watts, Type III Medium, 120-277 Volts, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	788.10		162.75
26 56 19 00-0046		LED Roadway Lighting (Lithonia) <small>(26 56 19 00-0037)</small>			
26 56 19 00-0047		Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) <small>(26 56 19 00-0046)</small>			
		Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.			
26 56 19 00-0048	EA	30 LEDs, 74 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	1,432.42		153.96
26 56 19 00-0049	EA	60 LEDs, 146 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,289.52		158.36
26 56 19 00-0050		LED Roadway Lighting (CREE® BetaLED®) <small>(26 56 19 00-0037)</small>			
26 56 19 00-0051		Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) <small>(26 56 19 00-0050)</small>			
		Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.			
26 56 19 00-0052	EA	20 LEDs, 25 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	694.98		149.56
26 56 19 00-0053	EA	30 LEDs, 35 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	770.91		153.96
26 56 19 00-0054	EA	40 LEDs, 45 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	861.89		158.36
26 56 19 00-0055	EA	50 LEDs, 55 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	938.99		162.75
26 56 19 00-0056	EA	60 LEDs, 65 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,016.08		167.14
26 56 19 00-0057	EA	70 LEDs, 75 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,195.03		171.54
26 56 19 00-0058	EA	80 LEDs, 86 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,272.12		175.94
26 56 19 00-0059	EA	90 LEDs, 96 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,348.05		180.34
26 56 19 00-0060	EA	100 LEDs, 111 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,493.44		184.74
26 56 19 00-0061	EA	110 LEDs, 122 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,570.54		189.14
26 56 19 00-0062	EA	120 LEDs, 133 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,647.62		193.54
26 56 19 00-0063		Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) <small>(26 56 19 00-0050)</small>			
		Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			
26 56 19 00-0064	EA	40 LEDs, 47 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,284.39		158.36
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 19 00-0065	EA	60 LEDs, 68 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,472.14		167.14
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 19 00-0066	EA	80 LEDs, 90 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,659.89		175.94
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 19 00-0067	EA	100 LEDs, 111 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,847.64		184.74
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 19 00-0068	EA	120 LEDs, 132 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,396.53		193.54
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 19 00-0069	EA	140 LEDs, 157 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,584.28		202.34
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 19 00-0070	EA	160 LEDs, 179 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,772.04		211.13
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 19 00-0071		Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) <small>(26 56 19 00-0050)</small>			
		Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			
26 56 19 00-0072	EA	4,806 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	601.96		158.36
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	13.65		
		<i>For Backlight Control Shield, Add</i>	28.75		
		<i>For Field Adjustable Output, Add</i>	20.48		
		<i>For Bird Spikes, Add</i>	41.64		
		<i>For Field Adjustable Output And Utility Label, Add</i>	27.31		
		<i>For Fuse, Add</i>	40.95		
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	40.95		
		<i>For 480 Volt, Add</i>	61.44		
		<i>For Multi-Level, Add</i>	88.73		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0073	EA		5,340 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	601.96	158.36
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
			For Backlight Control Shield, Add	28.75	
			For Field Adjustable Output, Add	20.48	
			For Bird Spikes, Add	41.64	
			For Field Adjustable Output And Utility Label, Add	27.31	
			For Fuse, Add	40.95	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	40.95	
			For 480 Volt, Add	61.44	
			For Multi-Level, Add	88.73	
26 56 19 00-0074	EA		8,407 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	653.56	158.36
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
			For Backlight Control Shield, Add	28.75	
			For Field Adjustable Output, Add	20.48	
			For Bird Spikes, Add	41.64	
			For Field Adjustable Output And Utility Label, Add	27.31	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	40.95	
			For 480 Volt, Add	61.44	
26 56 19 00-0075	EA		8,820 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	653.56	158.36
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
			For Backlight Control Shield, Add	28.75	
			For Field Adjustable Output, Add	20.48	
			For Bird Spikes, Add	41.64	
			For Field Adjustable Output And Utility Label, Add	27.31	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	40.95	
			For 480 Volt, Add	61.44	
26 56 19 00-0076	EA		9,612 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	745.29	158.36
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
			For Field Adjustable Output, Add	20.48	
			For Backlight Control Shield, Add	38.77	
			For Field Adjustable Output And Utility Label, Add	27.31	
			For Fuse, Add	40.95	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	40.95	
			For Bird Spikes, Add	64.58	
			For 480 Volt, Add	61.44	
			For Multi-Level, Add	88.73	
26 56 19 00-0077	EA		10,680 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	745.29	158.36
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
			For Field Adjustable Output, Add	20.48	
			For Backlight Control Shield, Add	38.77	
			For Field Adjustable Output And Utility Label, Add	27.31	
			For Fuse, Add	40.95	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	40.95	
			For Bird Spikes, Add	64.58	
			For 480 Volt, Add	61.44	
			For Multi-Level, Add	88.73	
26 56 19 00-0078	EA		13,732 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	831.31	158.36
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
			For Field Adjustable Output, Add	20.48	
			For Backlight Control Shield, Add	38.77	
			For Field Adjustable Output And Utility Label, Add	27.31	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	40.95	
			For Bird Spikes, Add	64.58	
			For 480 Volt, Add	61.44	
26 56 19 00-0079	EA		14,408 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	831.31	158.36
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
			For Field Adjustable Output, Add	20.48	
			For Backlight Control Shield, Add	38.77	
			For Field Adjustable Output And Utility Label, Add	27.31	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	40.95	
			For Bird Spikes, Add	64.58	
			For 480 Volt, Add	61.44	
26 56 19 00-0080	EA		2,529 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	510.21	158.36
			For Utility Label, Add	6.82	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	20.48	
			For 0 To 10 Volt Dimming, Add	40.95	
26 56 19 00-0081	EA		2,722 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	510.21	158.36
			For Utility Label, Add	6.82	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	20.48	
			For 0 To 10 Volt Dimming, Add	40.95	
26 56 19 00-0082	EA		3,819 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C).....	531.72	158.36
			For Utility Label, Add	6.82	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	20.48	
			For 0 To 10 Volt Dimming, Add	40.95	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0083	EA 4,109 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C)	531.72	158.36
	For Utility Label, Add	6.82	
	For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
	For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	20.48	
	For 0 To 10 Volt Dimming, Add	40.95	
26 56 19 00-0084	EA 4,548 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	538.89	158.36
	For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
	For Field Adjustable Output, Add	20.48	
	For Field Adjustable Output And Utility Label, Add	27.31	
	For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	40.95	
	For 0 To 10 Volt Dimming, Add	40.95	
26 56 19 00-0085	EA 4,627 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	538.89	158.36
	For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
	For Field Adjustable Output, Add	20.48	
	For Field Adjustable Output And Utility Label, Add	27.31	
	For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	40.95	
	For 0 To 10 Volt Dimming, Add	40.95	
26 56 19 00-0086	Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™) <small>(26 56 19 00-0080)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0087	EA 3,300 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N)	524.56	158.36
	For Field Adjustable Output, Add	20.48	
	For Backlight Control Shield, Add	49.97	
	For Bird Spikes, Add	64.98	
26 56 19 00-0088	EA 3,300 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N)	524.56	158.36
	For Field Adjustable Output, Add	20.48	
	For Backlight Control Shield, Add	49.97	
	For Bird Spikes, Add	64.98	
26 56 19 00-0089	EA 5,000 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N)	538.89	158.36
	For Field Adjustable Output, Add	20.48	
	For Backlight Control Shield, Add	49.97	
	For Bird Spikes, Add	64.98	
26 56 19 00-0090	EA 5,000 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N)	538.89	158.36
	For Field Adjustable Output, Add	20.48	
	For Backlight Control Shield, Add	49.97	
	For Bird Spikes, Add	64.98	
26 56 19 00-0091	LED Roadway Lighting (Cooper Lighting) <small>(26 56 19 00-0037)</small>		
26 56 19 00-0092	Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) <small>(26 56 19 00-0091)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0093	EA 1 LED Light Square, 51 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	703.40	158.36
26 56 19 00-0094	EA 2 LED Light Squares, 103 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	921.68	175.94
26 56 19 00-0095	EA 3 LED Light Squares, 154 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	999.79	202.34
26 56 19 00-0096	EA 4 LED Light Squares, 206 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,421.09	219.93
26 56 19 00-0097	EA 6 LED Light Squares, 309 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,832.63	250.39
26 56 19 00-0098	LED Roadway Lighting (PlanLED) <small>(26 56 19 00-0037)</small>		
26 56 19 00-0099	Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) <small>(26 56 19 00-0098)</small> Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0100	EA 8,500 Lumens, 85 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W).....	816.10	153.96
26 56 19 00-0101	EA 11,000 Lumens, 110 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W).....	878.03	155.64
26 56 19 00-0102	EA 15,000 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W).....	927.94	158.36
26 56 19 00-0103	Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) <small>(26 56 19 00-0098)</small> Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0104	EA 7,200 Lumens, 60 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	577.98	150.23
26 56 19 00-0105	EA 10,000 Lumens, 80 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	612.67	152.94

Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

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

26 56 19 00-0106	EA		12,500 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	666.09	155.64
26 56 19 00-0107 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) <small>(26 56 19 00-0098)</small>					
Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.					
26 56 19 00-0108	EA		13,000 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	700.05	155.64
			<i>For 0 To 10 Volt Dimming, Add</i>	50.17	
			<i>For 480 Volt, Add</i>	50.17	
26 56 19 00-0109	EA		16,900 Lumens, 130 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130)	763.65	157.00
			<i>For 0 To 10 Volt Dimming, Add</i>	50.17	
			<i>For 480 Volt, Add</i>	14.83	
26 56 19 00-0110	EA		19,500 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150)	813.19	158.36
			<i>For 0 To 10 Volt Dimming, Add</i>	50.17	
			<i>For 480 Volt, Add</i>	-5.30	
26 56 19 00-0111 LED Roadway Lighting (General Electric) <small>(26 56 19 00-0037)</small>					
26 56 19 00-0112 Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) <small>(26 56 19 00-0111)</small>					
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.					
26 56 19 00-0113	EA		2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY)	470.16	149.56
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-17.11	
			<i>For >500, Deduct</i>	-27.37	
26 56 19 00-0114	EA		3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY)	474.22	151.58
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-17.11	
			<i>For >500, Deduct</i>	-27.37	
26 56 19 00-0115	EA		4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY)	490.79	153.96
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-18.29	
			<i>For >500, Deduct</i>	-27.43	
26 56 19 00-0116	EA		5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY)	507.09	155.64
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-19.58	
			<i>For >500, Deduct</i>	-29.37	
26 56 19 00-0117	EA		7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY)	549.36	159.02
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-23.13	
			<i>For >500, Deduct</i>	-48.57	
26 56 19 00-0118	EA		8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY)	571.42	160.38
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-25.07	
			<i>For >500, Deduct</i>	-37.60	
26 56 19 00-0119	EA		9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY)	612.74	162.75
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-28.72	
			<i>For >500, Deduct</i>	-43.09	
26 56 19 00-0120	EA		13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY)	700.07	167.14
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-36.58	
			<i>For >500, Deduct</i>	-54.87	
26 56 19 00-0121	EA		19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY)	803.73	175.94
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-45.18	
			<i>For >500, Deduct</i>	-67.78	
26 56 19 00-0122 LED Roadway Lighting (Acuity AEL Autobahn) <small>(26 56 19 00-0037)</small>					
26 56 19 00-0123 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) <small>(26 56 19 00-0122)</small>					
Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.					
26 56 19 00-0124	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	794.53	153.96
26 56 19 00-0125	EA		6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	959.38	158.36
26 56 19 00-0126	EA		9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	1,289.60	162.75
26 56 19 00-0127	EA		13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	1,623.79	169.18
26 56 19 00-0128	EA		17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	1,949.11	173.92

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0129			LED Roadway Lighting (Leotek) <small>(26 56 19 00-0037)</small>		
26 56 19 00-0130			Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) <small>(26 56 19 00-0129)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0131	EA		Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL).....	481.86	153.96
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-17.40	
			For >1,000 To 2,500, Deduct	-24.35	
			For >2,500, Deduct	-31.31	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0132	EA		Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL).....	490.89	155.64
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-17.96	
			For >1,000 To 2,500, Deduct	-25.14	
			For >2,500, Deduct	-32.33	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0133	EA		Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL).....	515.52	156.66
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-20.22	
			For >1,000 To 2,500, Deduct	-28.31	
			For >2,500, Deduct	-36.40	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0134	EA		Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL).....	581.92	162.75
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-25.64	
			For >1,000 To 2,500, Deduct	-35.90	
			For >2,500, Deduct	-46.16	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0135	EA		Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL).....	660.75	167.14
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-32.65	
			For >1,000 To 2,500, Deduct	-45.70	
			For >2,500, Deduct	-58.76	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0136	EA		Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL).....	666.17	169.86
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-32.65	
			For >1,000 To 2,500, Deduct	-45.70	
			For >2,500, Deduct	-58.76	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0137	EA		Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL).....	785.66	172.56
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-44.05	
			For >1,000 To 2,500, Deduct	-61.68	
			For >2,500, Deduct	-79.30	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0138	EA		Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL).....	819.54	175.94
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-46.77	
			For >1,000 To 2,500, Deduct	-65.47	
			For >2,500, Deduct	-84.18	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0139	EA		Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL).....	899.50	178.66
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-54.22	
			For >1,000 To 2,500, Deduct	-75.91	
			For >2,500, Deduct	-97.60	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0140	EA		Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL).....	955.75	181.36
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-59.30	
			For >1,000 To 2,500, Deduct	-83.02	
			For >2,500, Deduct	-106.75	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0141	EA		Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL).....	538.34	155.64
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-22.71	
			For >1,000 To 2,500, Deduct	-31.79	
			For >2,500, Deduct	-40.87	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0142	EA		Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL).....	581.47	159.70
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-26.21	
			For >1,000 To 2,500, Deduct	-36.69	
			For >2,500, Deduct	-47.17	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0143	EA		Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL).....	619.19	162.75
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-29.37	
			For >1,000 To 2,500, Deduct	-41.12	
			For >2,500, Deduct	-52.86	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0144	EA		Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL).....	652.61	166.48
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-31.97	
			For >1,000 To 2,500, Deduct	-44.75	
			For >2,500, Deduct	-57.54	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0145	EA		Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL).....	684.70	167.82
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-34.90	
			For >1,000 To 2,500, Deduct	-48.87	
			For >2,500, Deduct	-62.83	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0146	EA		Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL).....	792.89	173.92
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-44.51	
			For >1,000 To 2,500, Deduct	-62.31	
			For >2,500, Deduct	-80.11	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0147	EA		Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL).....	879.86	177.30
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-52.53	
			For >1,000 To 2,500, Deduct	-73.54	
			For >2,500, Deduct	-94.55	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0148	EA		Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL).....	926.39	177.98
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-57.04	
			For >1,000 To 2,500, Deduct	-79.86	
			For >2,500, Deduct	-102.68	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0149	EA		Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL).....	972.25	180.00
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-61.22	
			For >1,000 To 2,500, Deduct	-85.71	
			For >2,500, Deduct	-110.20	
			For Twist Lock Shorting Cap, Add	5.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
			For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0150	EA Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP)	580.32	169.86
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >500 To 1,000, Deduct	-24.06	
	For >1,000 To 2,500, Deduct	-33.68	
	For >2,500, Deduct	-43.31	
	For Twist Lock Shorting Cap, Add	5.38	
	For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
	For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0151	EA Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP)	617.59	171.54
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >500 To 1,000, Deduct	-27.45	
	For >1,000 To 2,500, Deduct	-38.43	
	For >2,500, Deduct	-49.41	
	For Twist Lock Shorting Cap, Add	5.38	
	For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
	For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0152	EA Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL)	467.63	155.30
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >500 To 1,000, Deduct	-15.70	
	For >1,000 To 2,500, Deduct	-21.98	
	For >2,500, Deduct	-28.26	
	For Twist Lock Shorting Cap, Add	5.38	
	For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
	For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0153	EA Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL)	474.85	156.66
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >500 To 1,000, Deduct	-16.15	
	For >1,000 To 2,500, Deduct	-22.61	
	For >2,500, Deduct	-29.08	
	For Twist Lock Shorting Cap, Add	5.38	
	For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
	For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0154	EA Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL)	506.92	159.70
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >500 To 1,000, Deduct	-18.75	
	For >1,000 To 2,500, Deduct	-26.25	
	For >2,500, Deduct	-33.75	
	For Twist Lock Shorting Cap, Add	5.38	
	For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
	For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0155	EA Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL)	716.76	172.56
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >500 To 1,000, Deduct	-37.16	
	For >1,000 To 2,500, Deduct	-52.03	
	For >2,500, Deduct	-66.90	
	For Twist Lock Shorting Cap, Add	5.38	
	For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
	For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0156	EA Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL)	894.76	177.98
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >500 To 1,000, Deduct	-53.88	
	For >1,000 To 2,500, Deduct	-75.43	
	For >2,500, Deduct	-96.99	
	For Twist Lock Shorting Cap, Add	5.38	
	For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
	For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0157	EA Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL)	814.78	178.66
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >500 To 1,000, Deduct	-45.75	
	For >1,000 To 2,500, Deduct	-64.05	
	For >2,500, Deduct	-82.35	
	For Twist Lock Shorting Cap, Add	5.38	
	For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
	For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0158	EA Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY)	454.75	155.64
	For >500 To 1,000, Deduct	-14.35	
	For >1,000 To 2,500, Deduct	-20.08	
	For >2,500, Deduct	-25.82	
	For Twist Lock Shorting Cap, Add	5.38	
	For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
	For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 19 00-0159	Induction Roadway Lighting ^(26 56 19)		
26 56 19 00-0160	Induction Roadway Lighting (US Lighting Tech) ^(26 56 19 00-0159)		
	Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56 19 00-0161	EA 40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	701.20	203.02
26 56 19 00-0162	EA 70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	772.61	209.78
26 56 19 00-0163	EA 100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	799.67	223.31
26 56 19 00-0164	EA 150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	826.74	236.85
26 56 19 00-0165	EA 200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	973.40	243.61

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

26 56 19 00-0166	EA		250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	991.56	250.39
26 56 19 00-0167	EA		40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	652.58	203.02
26 56 19 00-0168	EA		70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	730.94	209.78
26 56 19 00-0169	EA		100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	758.00	223.31
26 56 19 00-0170	EA		150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	785.07	236.85

26 56 23 Area Lighting (26 56)

26 56 23 00-0001 Exterior Globe (26 56 23)

26 56 23 00-0002 Incandescent (26 56 23 00-0001)

26 56 23 00-0003	EA		100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	68.75	23.31
26 56 23 00-0004	EA		150-200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	110.89	23.31
26 56 23 00-0005	EA		100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	83.31	23.31
26 56 23 00-0006	EA		150-200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	116.50	23.31

26 56 23 00-0007 Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 23)

26 56 23 00-0008 High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 23 00-0007)

Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.

26 56 23 00-0009	EA		35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	494.91	172.29
26 56 23 00-0010	EA		50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	523.13	191.43
26 56 23 00-0011	EA		70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	570.31	218.23
26 56 23 00-0012	EA		100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	591.23	232.28
26 56 23 00-0013	EA		150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	613.28	245.04
26 56 23 00-0014	EA		175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	641.27	255.25
26 56 23 00-0015	EA		250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	699.53	287.16
26 56 23 00-0016	EA		400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	819.27	319.06

26 56 23 00-0017 Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 23 00-0007)

Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.

26 56 23 00-0018	EA		50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	546.82	191.43
26 56 23 00-0019	EA		70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	590.18	218.23
26 56 23 00-0020	EA		100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	614.94	232.28
26 56 23 00-0021	EA		150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	643.90	245.04
26 56 23 00-0022	EA		175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	661.00	255.25
26 56 23 00-0023	EA		250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	720.11	287.16
26 56 23 00-0024	EA		400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	874.84	319.06

26 56 23 00-0025 Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 23 00-0007)

Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.

26 56 23 00-0026	EA		7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	223.83	93.22
26 56 23 00-0027	EA		9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	235.53	99.05
26 56 23 00-0028	EA		13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	254.36	104.87
26 56 23 00-0029	EA		75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	267.59	116.52
26 56 23 00-0030	EA		100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	303.48	133.99

26 56 23 00-0031 Wall Packs (26 56 23)

26 56 23 00-0032 Non Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 23 00-0031)

Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.

26 56 23 00-0033	EA		13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	292.34	63.73
26 56 23 00-0034	EA		50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	307.21	63.73
26 56 23 00-0035	EA		35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	307.21	63.73
26 56 23 00-0036	EA		70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	379.26	63.73

26 56 23 00-0037 Semi Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 23 00-0031)

Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.

26 56 23 00-0038	EA		42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	495.56	63.73
26 56 23 00-0039	EA		50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	500.90	63.73
26 56 23 00-0040	EA		70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	505.53	63.73
26 56 23 00-0041	EA		100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	497.10	63.73
26 56 23 00-0042	EA		70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	462.42	63.73
26 56 23 00-0043	EA		100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	443.38	63.73

26 56 23 00-0044 Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 23 00-0031)

Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.

26 56 23 00-0045	EA		50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	517.50	63.73
26 56 23 00-0046	EA		70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	522.37	63.73
26 56 23 00-0047	EA		100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	513.95	63.73
26 56 23 00-0048	EA		70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	520.73	63.73
26 56 23 00-0049	EA		100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	520.73	63.73

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 23 00-0050	Non Cutoff, Borosilicate Glass Lens, Small Wall Packs (26 56 23 00-0031) Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.			
26 56 23 00-0051	EA	70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	525.19	84.88
26 56 23 00-0052	EA	100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	525.19	84.88
26 56 23 00-0053	EA	175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	499.09	84.88
26 56 23 00-0054	EA	70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	509.10	84.88
26 56 23 00-0055	EA	100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	509.10	84.88
26 56 23 00-0056	EA	150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	480.16	84.88
26 56 23 00-0057	Cutoff, Borosilicate Glass Lens, Small Wall Packs (26 56 23 00-0031) Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.			
26 56 23 00-0058	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	540.65	84.88
26 56 23 00-0059	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	540.65	84.88
26 56 23 00-0060	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	540.65	84.88
26 56 23 00-0061	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	525.30	84.88
26 56 23 00-0062	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	525.30	84.88
26 56 23 00-0063	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	525.30	84.88
26 56 23 00-0064	Full Cutoff, Tempered Glass Lens, Small Wall Packs (26 56 23 00-0031) Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.			
26 56 23 00-0065	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	665.56	84.88
26 56 23 00-0066	Cutoff, Borosilicate Glass Lens, Medium Wall Packs (26 56 23 00-0031) Note: Aluminum body and reflector. Lithonia TWR2.			
26 56 23 00-0067	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	660.72	105.15
		Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 23 00-0068	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	696.10	105.15
		Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 23 00-0069	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	738.28	105.15
		Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 23 00-0070	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	749.89	105.15
		Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 23 00-0071	Cutoff, Tempered Glass Lens, Medium Wall Packs (26 56 23 00-0031) Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.			
26 56 23 00-0072	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	706.23	105.15
26 56 23 00-0073	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	745.98	105.15
26 56 23 00-0074	Non Cutoff, Polycarbonate Lens, Large Wall Packs (26 56 23 00-0031) Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.			
26 56 23 00-0075	EA	100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	691.09	127.46
26 56 23 00-0076	EA	175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	648.99	127.46
26 56 23 00-0077	EA	70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	681.35	127.46
26 56 23 00-0078	EA	100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	684.57	127.46
26 56 23 00-0079	EA	150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	687.95	127.46
26 56 23 00-0080	Non Cutoff, Borosilicate Glass Lens, Large Wall Packs (26 56 23 00-0031) Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.			
26 56 23 00-0081	EA	175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	691.10	127.46
26 56 23 00-0082	EA	250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	705.15	127.46
26 56 23 00-0083	EA	400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	747.25	127.46
26 56 23 00-0084	EA	150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	719.19	127.46
26 56 23 00-0085	EA	250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	733.24	127.46
26 56 23 00-0086	EA	400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	761.28	127.46
26 56 23 00-0087	Full Cutoff, LED Wall Packs (26 56 23 00-0031)			
26 56 23 00-0088	Full Cutoff, LED Wall Packs (Lithonia) (26 56 23 00-0087)			
26 56 23 00-0089	EA	30 LEDs, 57 System Watts, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,089.94	118.43
26 56 23 00-0090	EA	30 LEDs, 35 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,182.54	118.43
26 56 23 00-0091	Full Cutoff, LED Wall Packs (CREE® BetaLED®) (26 56 23 00-0087)			
26 56 23 00-0092	Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) (26 56 23 00-0091) Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			
26 56 23 00-0093	EA	20 LEDs, 26 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	724.63	115.04
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
		For Bird Spikes, Add	37.30	
		For Fuse, Add	40.95	
		For 0 To 10 Volt Dimming, Add	40.95	
		For 480 Volt, Add	61.44	
		For Multi-Level, Add	88.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0094	EA		40 LEDs, 47 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	917.33	121.81
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
			For Bird Spikes, Add	37.98	
			For Fuse, Add	40.95	
			For 0 To 10 Volt Dimming, Add	40.95	
			For 480 Volt, Add	61.44	
			For Multi-Level, Add	88.73	
26 56 23 00-0095	EA		60 LEDs, 68 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,023.43	128.58
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
			For Bird Spikes, Add	38.66	
			For Fuse, Add	40.95	
			For 0 To 10 Volt Dimming, Add	40.95	
			For 480 Volt, Add	61.44	
			For Multi-Level, Add	88.73	
26 56 23 00-0096	EA		80 LEDs, 90 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,302.78	135.34
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
			For Bird Spikes, Add	39.33	
			For Fuse, Add	40.95	
			For 0 To 10 Volt Dimming, Add	40.95	
			For 480 Volt, Add	61.44	
			For Multi-Level, Add	88.73	
26 56 23 00-0097	EA		100 LEDs, 111 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,495.50	142.11
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
			For Bird Spikes, Add	40.01	
			For Fuse, Add	40.95	
			For 0 To 10 Volt Dimming, Add	40.95	
			For 480 Volt, Add	61.44	
			For Multi-Level, Add	88.73	
26 56 23 00-0098	EA		120 LEDs, 132 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,688.22	148.88
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
			For Bird Spikes, Add	40.69	
			For Fuse, Add	40.95	
			For 0 To 10 Volt Dimming, Add	40.95	
			For 480 Volt, Add	61.44	
			For Multi-Level, Add	88.73	
26 56 23 00-0099			Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) <small>(26 56 23 00-0099)</small>		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0100	EA		25 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	458.55	115.04
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
			For 0 To 10 Volt Dimming, Add	40.95	
			For Multi-Level, Add	40.95	
26 56 23 00-0101	EA		42 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	525.37	121.81
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.65	
			For 0 To 10 Volt Dimming, Add	40.95	
			For Multi-Level, Add	40.95	
26 56 23 00-0102			Semi Cutoff, Induction Wall Packs <small>(26 56 23 00-0102)</small>		
26 56 23 00-0103			Semi Cutoff, Induction Wall Packs (Everlast®) <small>(26 56 23 00-0103)</small>		
			Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0104	EA		70 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	768.28	115.04
26 56 23 00-0105	EA		80 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	787.80	121.81
26 56 23 00-0106	EA		100 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	807.33	128.58
26 56 23 00-0107	EA		120 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	892.83	135.34
26 56 23 00-0108			Wall Pack Accessories <small>(26 56 23 00-0108)</small>		
26 56 23 00-0109	EA		Photocell For Wall Pack.....	106.77	31.87
26 56 23 00-0110	EA		Wire Guard For Mini And Small Wall Pack	115.77	31.87
26 56 23 00-0111	EA		Wire Guard For Medium And Large Wall Pack	153.39	31.87
26 56 23 00-0112	EA		Clear Polycarbonate Vandal Guard For Wall Packs	207.69	31.87
26 56 23 00-0113	EA		Full Cutoff Visor For Wall Pack	113.31	31.87
26 56 23 00-0114			Open Face LED Wall Pack <small>(26 56 23 00-0114)</small>		
			Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 23 00-0115	EA		3,640 Lumens, 28 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS).....	594.01	127.46
26 56 23 00-0116	EA		5,540 Lumens, 40 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS).....	625.32	127.46
26 56 23 00-0117	EA		7,065 Lumens, 50 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS).....	641.72	127.46
26 56 23 00-0118	EA		11,375 Lumens, 80 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS).....	655.02	127.46
26 56 23 00-0119	EA		16,945 Lumens, 120 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS).....	754.77	127.46
26 56 23 00-0120			Security Fixtures <small>(26 56 23 00-0120)</small>		
26 56 23 00-0121			Security Canopy Lights <small>(26 56 23 00-0121)</small>		
26 56 23 00-0122	EA		50 Watt High Pressure Sodium, Security Canopy Light (MagniFlood).....	446.79	159.32
26 56 23 00-0123	EA		70 Watt High Pressure Sodium, Security Canopy Light (MagniFlood).....	608.87	175.26
26 56 23 00-0124	EA		100 Watt High Pressure Sodium, Security Canopy Light (MagniFlood).....	667.10	191.19

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0125	EA		150 Watt High Pressure Sodium, Security Canopy Light (MagniFlood).....	599.97	207.11
26 56 23 00-0126	EA		250 Watt High Pressure Sodium, Security Canopy Light (MagniFlood).....	855.22	223.04
26 56 23 00-0127	EA		70 Watt Metal Halide, Security Canopy Light (MagniFlood).....	547.84	175.26
26 56 23 00-0128	EA		100 Watt Metal Halide, Security Canopy Light (MagniFlood).....	583.49	191.19
26 56 23 00-0129			Security Ceiling Lights (26 56 23 00-0120)		
26 56 23 00-0130	EA		50 Watt High Pressure Sodium, Shallow Lens, Security Ceiling Light (MagniFlood).....	451.99	159.32
26 56 23 00-0131	EA		70 Watt High Pressure Sodium, Shallow Lens, Security Ceiling Light (MagniFlood).....	608.87	175.26
26 56 23 00-0132	EA		100 Watt High Pressure Sodium, Shallow Lens, Security Ceiling Light (MagniFlood).....	641.73	191.19
26 56 23 00-0133	EA		150 Watt High Pressure Sodium, Shallow Lens, Security Ceiling Light (MagniFlood).....	594.36	207.11
26 56 23 00-0134			Spare Parts, Material Only (26 56 23 00-0120)		
26 56 23 00-0135	EA		Floodlight Lens, Tempered Glass, Spare Part, Material Only	17.38	
26 56 23 00-0136	EA		Wall Pack Lens, Spare Part, Material Only	139.06	
26 56 23 00-0137	EA		1/8" Clear Polycarbonate Floodlight Vandal Shield, Spare Part, Material Only.....	93.21	
26 56 23 00-0138	EA		1/4" Clear Polycarbonate Floodlight Vandal Shield, Spare Part, Material Only.....	107.55	
26 56 23 00-0139	EA		3/8" Clear Polycarbonate Floodlight Vandal Shield, Spare Part, Material Only.....	121.89	
26 56 23 00-0140	EA		70 Watt, 100 Watt HPS Ballast, Ignitor And Capacitor, Spare Part, Material Only	130.37	
26 56 23 00-0141	EA		150 Watt, 100 Volt, 250 Watt, 400 Watt HPS Ballast, Ignitor And Capacitor, Spare Part, Material Only	168.62	
26 56 23 00-0142	EA		1,000 Watt HPS Ballast, Ignitor And Capacitor, Spare Part, Material Only.....	278.13	
26 56 23 00-0143	EA		1,000 Watt Metal Halide Ballast, Ignitor And Capacitor, Spare Part, Material Only	191.21	
26 56 23 00-0144			Accessories For Security Fixtures (MagniFlood) (26 56 23 00-0120)		
			Note: Includes drilling and fasteners.		
26 56 23 00-0145	EA		Remote Ballast Box For Security Fixtures (MagniFlood)	128.90	23.99
26 56 23 00-0146	EA		Splice Box Only For Security Fixtures (MagniFlood 2163).....	59.56	14.29
26 56 23 00-0147	EA		Remote Photo Control Assembly For Security Fixtures (MagniFlood)	120.81	23.99
26 56 23 00-0148	EA		Wire Guards/Floodlight For Security Fixtures (MagniFlood)	95.53	14.29
26 56 23 00-0149	EA		Wire Guards/Canopy Light For Security Fixtures (MagniFlood).....	95.53	14.29
26 56 23 00-0150	EA		Wire Guards/Wall Light For Security Fixtures (MagniFlood)	95.53	14.29
26 56 23 00-0151	EA		Solid State Photocontrol Assembly For Security Fixtures (MagniFlood)	50.96	9.57
26 56 23 00-0152	EA		Glare Shield For Security Fixtures (MagniFlood)	76.43	14.29
26 56 23 00-0153	EA		Stainless Steel Latches (Tool-less Entry) For Security Fixtures (MagniFlood)	31.83	14.29
26 56 23 00-0154			LED Area Lighting (26 56 23)		
26 56 23 00-0155	EA		"The Edge" LED Area Light (Beta BLD ARE).....	1,721.11	159.32
26 56 23 00-0156	EA		"Franklin Square" LED Area Light (Spring City ALMFKS-LE099EV1/XF-YS19-FAH-CT-M2 CB)	3,658.62	159.32
			For >3 To 5, Deduct	-42.74	
			For >5 To 10, Deduct	-108.67	
			For >10, Deduct	-246.68	
26 56 23 00-0157	EA		12 "Wellington" Pole (Spring City APSWLG 10 12 S4 TN2.88/3.00-323/1NW-CB)	1,755.99	159.32
			For >3 To 5, Deduct	-177.13	
			For >5 To 10, Deduct	-343.14	
			For >10, Deduct	-457.95	
26 56 23 00-0158			LED Area Fixtures (26 56 23)		
26 56 23 00-0159			Pole Mount, LED Area Fixtures (26 56 23 00-0158)		
26 56 23 00-0160			Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) (26 56 23 00-0159)		
			Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0161	EA		20 LEDs, 45 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,038.71	115.04
26 56 23 00-0162	EA		40 LEDs, 91 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,196.93	121.81
26 56 23 00-0163	EA		80 LEDs, 188 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,368.69	135.34
26 56 23 00-0164	EA		100 LEDs, 218 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,382.22	142.11
26 56 23 00-0165			Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) (26 56 23 00-0159)		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 23 00-0166	EA		40 LEDs, 47 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	952.01	121.81
			For Backlight Shielding, Add	16.21	
			For Type II Medium Optic, Add	31.64	
			For 480 Volt, Add	59.38	
			For Multi-Level Drive Currents, Add	162.05	
26 56 23 00-0167	EA		60 LEDs, 68 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,135.71	128.58
			For Backlight Shielding, Add	16.21	
			For Type II Medium Optic, Add	32.32	
			For 480 Volt, Add	59.38	
			For Multi-Level Drive Currents, Add	162.05	
26 56 23 00-0168	EA		80 LEDs, 90 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,387.70	135.34
			For Backlight Shielding, Add	16.21	
			For Type II Medium Optic, Add	32.99	
			For 480 Volt, Add	59.38	
			For Multi-Level Drive Currents, Add	162.05	

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

26 56 23 00-0169	EA		100 LEDs, 111 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,571.38	142.11
			<i>For Backlight Shielding, Add</i>	16.21	
			<i>For Type II Medium Optic, Add</i>	33.67	
			<i>For 480 Volt, Add</i>	59.38	
			<i>For Multi-Level Drive Currents, Add</i>	162.05	
26 56 23 00-0170	EA		120 LEDs, 132 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,755.08	148.88
			<i>For Backlight Shielding, Add</i>	16.21	
			<i>For Type II Medium Optic, Add</i>	34.35	
			<i>For 480 Volt, Add</i>	59.38	
			<i>For Multi-Level Drive Currents, Add</i>	162.05	
26 56 23 00-0171	EA		140 LEDs, 157 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,993.17	155.64
			<i>For Backlight Shielding, Add</i>	16.21	
			<i>For Type II Medium Optic, Add</i>	35.02	
			<i>For 480 Volt, Add</i>	59.38	
			<i>For Multi-Level Drive Currents, Add</i>	162.05	
26 56 23 00-0172	EA		160 LEDs, 179 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,176.85	162.42
			<i>For Backlight Shielding, Add</i>	16.21	
			<i>For Type II Medium Optic, Add</i>	35.70	
			<i>For 480 Volt, Add</i>	59.38	
			<i>For Multi-Level Drive Currents, Add</i>	162.05	
26 56 23 00-0173 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures					
(CREE® BetaLED® Edge® ARE-EHO) <small>(26 56 23 00-0159)</small>					
<small>Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</small>					
26 56 23 00-0174	EA		120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	1,629.44	148.88
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	13.65	
			<i>For Bird Spikes, Add</i>	36.40	
			<i>For 5,000K Color Temperature, Add</i>	34.13	
			<i>For Fuse, Add</i>	40.95	
			<i>For 0 To 10 Volt Dimming, Add</i>	40.95	
			<i>For 480 Volt, Add</i>	61.44	
			<i>For Multi-Level, Add</i>	88.73	
			<i>For 1,000mA Driver, Add</i>	114.69	
26 56 23 00-0175	EA		240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	2,700.54	182.72
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	13.65	
			<i>For 5,000K Color Temperature, Add</i>	34.13	
			<i>For Fuse, Add</i>	40.95	
			<i>For 0 To 10 Volt Dimming, Add</i>	40.95	
			<i>For Bird Spikes, Add</i>	52.68	
			<i>For Multi-Level, Add</i>	88.73	
			<i>For 1,000mA Driver, Add</i>	114.68	
			<i>For 480 Volt, Add</i>	122.86	
26 56 23 00-0176 Wall Mount, LED Area Fixtures <small>(26 56 23 00-0158)</small>					
26 56 23 00-0177 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) <small>(26 56 23 00-0176)</small>					
<small>Note: UL wet listed. Includes 4,000K color temperature, 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.</small>					
26 56 23 00-0178	EA		20 LEDs, 47 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	926.05	115.04
26 56 23 00-0179	EA		30 LEDs, 71 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	953.11	128.58
26 56 23 00-0180 Surface Mount, LED Parking Structure Fixtures <small>(26 56 23 00-0158)</small>					
26 56 23 00-0181 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) <small>(26 56 23 00-0180)</small>					
<small>Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</small>					
26 56 23 00-0182	EA		40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	850.15	121.81
			<i>For Multi-Level Drive Currents, Add</i>	162.05	
26 56 23 00-0183	EA		60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,033.85	128.58
			<i>For Multi-Level Drive Currents, Add</i>	162.05	
26 56 23 00-0184	EA		80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,217.54	135.34
			<i>For Multi-Level Drive Currents, Add</i>	162.05	
26 56 23 00-0185	EA		100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,401.23	142.11
			<i>For Multi-Level Drive Currents, Add</i>	162.05	
26 56 23 00-0186 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) <small>(26 56 23 00-0180)</small>					
<small>Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</small>					

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 56 23 00-0187	EA	40 LEDs, 47 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	822.37		121.81
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 23 00-0188	EA	60 LEDs, 68 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	904.20		128.58
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 23 00-0189		Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) <small>(26 56 23 00-0189)</small>			
		Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			
26 56 23 00-0190	EA	3,700 Lumens, 50 System Watts, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	661.64		121.81
26 56 23 00-0191		Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) <small>(26 56 23 00-0191)</small>			
		Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.			
26 56 23 00-0192	EA	70 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,214.88		128.58
26 56 23 00-0193	EA	110 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,241.95		142.11
26 56 23 00-0194		Surface Mount, LED Canopy Fixtures <small>(26 56 23 00-0194)</small>			
26 56 23 00-0195		Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) <small>(26 56 23 00-0194)</small>			
		Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			
26 56 23 00-0196	EA	40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	972.85		121.81
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 23 00-0197	EA	60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,156.54		128.58
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 23 00-0198	EA	80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,340.24		135.34
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 23 00-0199	EA	100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,523.92		142.11
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 23 00-0200	EA	120 LEDs, 132 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,707.62		148.88
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 23 00-0201	EA	140 LEDs, 157 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,959.60		155.64
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 23 00-0202	EA	160 LEDs, 179 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,143.28		162.42
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 23 00-0203	EA	200 LEDs, 221 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,510.66		175.94
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 23 00-0204	EA	240 LEDs, 264 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,864.52		182.72
		<i>For Multi-Level Drive Currents, Add</i>	162.05		
26 56 23 00-0205		Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) <small>(26 56 23 00-0194)</small>			
		Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			
26 56 23 00-0206	EA	8,000 Lumens, 82 System Watts, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250).....	707.07		135.34
26 56 23 00-0207		Recessed Mount, LED Soffit Fixtures <small>(26 56 23 00-0158)</small>			
26 56 23 00-0208		Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) <small>(26 56 23 00-0207)</small>			
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			
26 56 23 00-0209	EA	40 LEDs, 47 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	836.26		121.81
26 56 23 00-0210	EA	60 LEDs, 68 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	918.09		128.58
26 56 23 00-0211		Surface Mount, LED Area Fixtures <small>(26 56 23 00-0158)</small>			
26 56 23 00-0212		Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) <small>(26 56 23 00-0211)</small>			
		Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.			
26 56 23 00-0213	EA	50 LEDs, 59 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	717.86		121.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0214	EA		50 LEDs, 59 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	909.91	121.81
26 56 23 00-0215	EA		68 LEDs, 79 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	786.26	135.34
26 56 23 00-0216	EA		68 LEDs, 79 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	945.36	135.34
26 56 23 00-0217			Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) <small>(26 56 23 00-0217)</small> <small>Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.</small>		
26 56 23 00-0218	EA		13 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A) <small>For Knuckle Mount Or Trunnion Mount Base, Add</small>	236.44 45.00	45.89
26 56 23 00-0219	EA		20 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A) <small>For Knuckle Mount Or Trunnion Mount Base, Add</small>	270.37 45.00	45.89
26 56 23 00-0220	EA		30 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A) <small>For Knuckle Mount Or Trunnion Mount Base, Add</small>	335.00 45.00	45.89
26 56 23 00-0221			Surface Mount, LED Facade Fixtures <small>(26 56 23 00-0158)</small>		
26 56 23 00-0222			Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) <small>(26 56 23 00-0221)</small>		
26 56 23 00-0223	EA		12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	457.06	53.60
26 56 23 00-0224	EA		24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	716.21	48.94
26 56 23 00-0225	EA		36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	900.61	40.78
26 56 23 00-0226	EA		48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,085.01	32.62
26 56 23 00-0227			Post Top, LED Area Fixtures <small>(26 56 23 00-0158)</small>		
26 56 23 00-0228			Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) <small>(26 56 23 00-0227)</small> <small>Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.</small>		
26 56 23 00-0229	EA		1,800 Lumens, 27 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....	1,335.82	186.10
26 56 23 00-0230	EA		3,400 Lumens, 54 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....	1,458.77	186.10
26 56 23 00-0231	EA		77 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	1,555.96	186.10
26 56 23 00-0232			Post Top, LED Area Fixtures (General Electric EPAS) <small>(26 56 23 00-0227)</small> <small>Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.</small>		
26 56 23 00-0233	EA		3,200 Lumens, 45 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3)..... <small>For >25 To 500, Deduct</small> <small>For >500, Deduct</small>	1,548.09 -82.31 -270.46	186.10
26 56 23 00-0234	EA		6,515 Lumens, 80 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)..... <small>For >25 To 500, Deduct</small> <small>For >500, Deduct</small>	1,579.72 -84.53 -277.73	186.10
26 56 23 00-0235			Post Top, LED Area Fixtures (General Electric EPTC) <small>(26 56 23 00-0227)</small> <small>Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.</small>		
26 56 23 00-0236	EA		3,200 Lumens, 45 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3)..... <small>For >25 To 500, Deduct</small> <small>For >500, Deduct</small>	1,119.87 -52.34 -216.83	186.10
26 56 23 00-0237	EA		6,150 Lumens, 80 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3)..... <small>For >25 To 500, Deduct</small> <small>For >500, Deduct</small>	1,167.21 -55.65 -206.71	186.10
26 56 23 00-0238			Post Top, LED Area Fixtures (General Electric EPST) <small>(26 56 23 00-0227)</small> <small>Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.</small>		
26 56 23 00-0239	EA		3,135 Lumens, 45 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3)..... <small>For >25 To 500, Deduct</small> <small>For >500, Deduct</small>	904.71 -37.28 -111.83	186.10
26 56 23 00-0240	EA		6,115 Lumens, 80 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)..... <small>For >25 To 500, Deduct</small> <small>For >500, Deduct</small>	952.05 -40.59 -121.77	186.10
26 56 23 00-0241			Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) <small>(26 56 23 00-0227)</small> <small>Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.</small>		
26 56 23 00-0242	EA		13,800 Lumens, 130 System Watts, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	2,136.25	186.10

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0243 LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) (26 56 23 00-0227) Note: Includes 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0354 for disposal of hazardous lamps.		
26 56 23 00-0244 EA LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)..... <i>For 0 To 10 Volt Dimming, Add</i>	625.90 40.95	101.51
26 56 23 00-0245 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) (26 56 23 00-0227) Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0354 for disposal of hazardous lamps.		
26 56 23 00-0246 EA LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) <i>For Backlight Control Shield, Add</i>	379.04 28.70	21.66
26 56 23 00-0247 Induction Area Fixtures (26 56 23)		
26 56 23 00-0248 Post Top, Induction Area Fixtures (26 56 23 00-0247)		
26 56 23 00-0249 Post Top, Induction Area Fixtures (US Lighting Tech) (26 56 23 00-0248) Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 23 00-0250 EA 40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	790.05	186.10
26 56 23 00-0251 EA 70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	857.19	186.10
26 56 23 00-0252 EA 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	857.19	186.10
26 56 23 00-0253 EA 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	857.19	186.10
26 56 23 00-0254 Surface Mount, Induction Parking Structure Fixtures (26 56 23 00-0247)		
26 56 23 00-0255 Surface Mount, Induction Parking Structure Fixtures (Everlast®) (26 56 23 00-0254)		
26 56 23 00-0256 EA 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	699.33	169.18
26 56 23 00-0257 EA 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	745.45	172.56
26 56 23 00-0258 EA 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	756.85	175.94
26 56 23 00-0259 EA 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	768.25	179.33
26 56 23 00-0260 EA 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	779.65	182.72
26 56 23 00-0261 EA 120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	795.67	186.10
26 56 23 00-0262 EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	823.99	175.94
26 56 23 00-0263 EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	835.39	179.33
26 56 23 00-0264 EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	846.79	182.72
26 56 23 00-0265 EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	882.48	186.10
26 56 23 00-0266 Pole Mount, Induction Area Fixtures (26 56 23 00-0247)		
26 56 23 00-0267 Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) (26 56 23 00-0266) Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0268 EA 70 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	798.26	115.04
26 56 23 00-0269 EA 80 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	823.78	121.81
26 56 23 00-0270 EA 100 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	849.31	128.58
26 56 23 00-0271 Metal Halide Area Fixtures (26 56 23)		
26 56 23 00-0272 Pole Mount, Metal Halide Area Fixtures (26 56 23 00-0271) Note: Includes pulse start ballast.		
26 56 23 00-0273 EA 150 Watt, Metal Halide Area Fixture, Pole Mount	777.77	166.02
26 56 23 00-0274 EA 175 Watt, Metal Halide Area Fixture, Pole Mount	853.89	182.62
26 56 23 00-0275 EA 250 Watt, Metal Halide Area Fixture, Pole Mount	942.10	199.23
26 56 23 00-0276 EA 400 Watt, Metal Halide Area Fixture, Pole Mount	1,013.96	232.43
26 56 23 00-0277 High Pressure Sodium Area Fixtures (26 56 23)		
26 56 23 00-0278 Pole Mount, High Pressure Sodium Area Fixtures (26 56 23 00-0277)		
26 56 23 00-0279 EA 100 Watt, High Pressure Sodium Area Fixture, Pole Mount	642.03	132.82
26 56 23 00-0280 EA 150 Watt, High Pressure Sodium Area Fixture, Pole Mount	716.11	166.02
26 56 23 00-0281 EA 250 Watt, High Pressure Sodium Area Fixture, Pole Mount	792.25	199.23
26 56 23 00-0282 EA 400 Watt, High Pressure Sodium Area Fixture, Pole Mount	853.37	232.43
26 56 23 00-0283 Area Lighting Accessories (26 56 23)		
26 56 23 00-0284 Outdoor Motion Sensors (26 56 23 00-0283)		
26 56 23 00-0285 EA 70' Range, 180 Degree Detection Zone, 8 Amp Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	100.86	31.90
26 56 23 00-0286 EA 70' Range, 200 Degree Detection Zone, 10 Amp Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	107.57	31.90
26 56 23 00-0287 EA 30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	357.03 19.14	31.90

Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	
MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 56 26 Landscape Lighting (26 56)

<p>26 56 26 00-0001</p> <p>26 56 26 00-0002</p> <p>26 56 26 00-0003</p> <p>26 56 26 00-0004</p> <p>26 56 26 00-0021</p> <p>26 56 26 00-0038</p> <p>26 56 26 00-0039</p> <p>26 56 26 00-0052</p> <p>26 56 26 00-0065</p> <p>26 56 26 00-0066</p>	<p>Bollards (26 56 26) Note: Excludes concrete base.</p> <p>Aluminum Architectural Bollards (26 56 26 00-0001)</p> <p>High Pressure Sodium, Aluminum Architectural Bollards (26 56 26 00-0002)</p> <p>Square, High Pressure Sodium, Aluminum Architectural Bollards (26 56 26 00-0003)</p> <p>Round, High Pressure Sodium, Aluminum Architectural Bollards (26 56 26 00-0003)</p> <p>Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0002)</p> <p>Square, Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0003)</p> <p>Round, Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0038)</p> <p>Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0002)</p> <p>Square, Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0065)</p>	<p>EA 24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 976.58</p> <p>EA 30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 989.32</p> <p>EA 36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 1,002.06</p> <p>EA 42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 941.43</p> <p>EA 24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 976.58</p> <p>EA 30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 989.32</p> <p>EA 36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 1,002.06</p> <p>EA 42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 941.43</p> <p>EA 24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 976.58</p> <p>EA 30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 989.32</p> <p>EA 36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 1,002.06</p> <p>EA 42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 941.43</p> <p>EA 24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 976.58</p> <p>EA 30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 989.32</p> <p>EA 36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 1,002.06</p> <p>EA 42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 941.43</p> <p>EA 24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 942.89</p> <p>EA 30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 955.63</p> <p>EA 36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 968.37</p> <p>EA 42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 907.43</p> <p>EA 24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 942.89</p> <p>EA 30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 955.63</p> <p>EA 36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 968.37</p> <p>EA 42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 907.43</p> <p>EA 24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 942.89</p> <p>EA 30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 955.63</p> <p>EA 36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 968.37</p> <p>EA 42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 907.43</p> <p>EA 24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 942.89</p> <p>EA 30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 955.63</p> <p>EA 36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 968.37</p> <p>EA 42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard..... 907.43</p> <p>EA 24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard..... 1,020.34</p> <p>EA 30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard..... 1,033.08</p> <p>EA 36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard..... 1,045.82</p> <p>EA 42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard..... 984.88</p> <p>EA 24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard..... 1,020.34</p> <p>EA 30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard..... 1,033.08</p> <p>EA 36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard..... 1,045.82</p> <p>EA 42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard..... 984.88</p> <p>EA 24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard..... 1,020.34</p> <p>EA 30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard..... 1,033.08</p> <p>EA 36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard..... 1,045.82</p> <p>EA 42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard..... 1,021.49</p> <p>EA 24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard..... 986.33</p> <p>EA 30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard..... 999.07</p> <p>EA 36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard..... 1,011.81</p> <p>EA 42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard..... 950.87</p> <p>EA 24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard..... 986.33</p> <p>EA 30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard..... 999.07</p> <p>EA 36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard..... 1,011.81</p> <p>EA 42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard..... 950.87</p> <p>EA 24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard..... 986.33</p> <p>EA 30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard..... 999.07</p> <p>EA 36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard..... 1,011.81</p> <p>EA 42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard..... 950.87</p> <p>EA 24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard..... 972.75</p> <p>EA 30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard..... 985.49</p>
---	---	---

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 26 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	998.23	121.09
26 56 26 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	938.29	127.46
26 56 26 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	972.75	108.34
26 56 26 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	985.49	114.71
26 56 26 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	998.23	121.09
26 56 26 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	938.29	127.46
26 56 26 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	972.75	108.34
26 56 26 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	985.49	114.71
26 56 26 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	998.23	121.09
26 56 26 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	938.29	127.46
26 56 26 00-0079		Round, Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0065)		
26 56 26 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	939.48	108.34
26 56 26 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	952.22	114.71
26 56 26 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	964.96	121.09
26 56 26 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	905.66	127.46
26 56 26 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	939.48	108.34
26 56 26 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	952.22	114.71
26 56 26 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	964.96	121.09
26 56 26 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	905.66	127.46
26 56 26 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	939.48	108.34
26 56 26 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	952.22	114.71
26 56 26 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	964.96	121.09
26 56 26 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	905.66	127.46
26 56 26 00-0092		LED, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0093		Square, LED, Aluminum Architectural Bollards (26 56 26 00-0092)		
26 56 26 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,145.45	108.34
26 56 26 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,158.19	114.71
26 56 26 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,170.93	121.09
26 56 26 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,111.91	127.46
26 56 26 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,377.01	108.34
26 56 26 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,389.75	114.71
26 56 26 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,402.49	121.09
26 56 26 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,342.31	127.46
26 56 26 00-0102		Round, LED, Aluminum Architectural Bollards (26 56 26 00-0092)		
26 56 26 00-0103	EA	24" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,110.91	108.34
26 56 26 00-0104	EA	30" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,123.65	114.71
26 56 26 00-0105	EA	36" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,136.39	121.09
26 56 26 00-0106	EA	42" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,076.22	127.46
26 56 26 00-0107	EA	24" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,342.46	108.34
26 56 26 00-0108	EA	30" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,355.20	114.71
26 56 26 00-0109	EA	36" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,367.94	121.09
26 56 26 00-0110	EA	42" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,308.18	127.46
26 56 26 00-0111		Reinforced Concrete Bollards (26 56 26 00-0001)		
26 56 26 00-0112	EA	48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard.....	1,158.62	318.64
26 56 26 00-0113	EA	58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard.....	1,914.44	424.81
26 56 26 00-0114		Low Voltage (26 56 26)		
26 56 26 00-0115	EA	Low Voltage Recessed Uplight.....	709.75	231.97
26 56 26 00-0116	EA	Low Voltage Walkway.....	476.54	127.46
26 56 26 00-0117	EA	Low Voltage Malibu - 5 Light Set.....	501.50	170.16
26 56 26 00-0118	EA	Low Voltage Mushroom 24" Pier.....	420.12	127.46
26 56 26 00-0119		Recessed, Adjustable (26 56 26)		
26 56 26 00-0120	EA	150 Watt Incandescent Recessed, Adjustable.....	782.58	203.93
26 56 26 00-0121	EA	300 Watt Incandescent Recessed, Adjustable.....	843.02	203.93
26 56 26 00-0122		Recessed, Uplight (26 56 26)		
26 56 26 00-0123	EA	50 Watt Incandescent Recessed Uplight.....	714.08	203.93
26 56 26 00-0124	EA	150 Watt Incandescent Recessed Uplight.....	726.17	203.93
26 56 26 00-0125	EA	300 Watt Incandescent Recessed Uplight.....	762.43	203.93
26 56 26 00-0126	EA	500 Watt Quartz Recessed Uplight.....	758.40	203.93
26 56 26 00-0127	EA	5 Watt LED Recessed Uplight.....	830.45	203.93
26 56 26 00-0128	EA	15 Watt LED Recessed Uplight.....	894.95	203.93
26 56 26 00-0129		Recessed Wall Light (26 56 26)		
26 56 26 00-0130	EA	100 Watt Incandescent Recessed Wall Light.....	383.86	127.46
26 56 26 00-0131	EA	100 Watt Fluorescent Recessed Wall Light.....	371.77	127.46
26 56 26 00-0132	EA	100 Watt High Intensity Discharge (HID) Recessed Wall Light.....	578.06	170.16
26 56 26 00-0133		Step Lights (26 56 26)		

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

26 56 26 00-0134	EA	Incandescent Step Light		312.67	101.97
26 56 26 00-0135	EA	Fluorescent Step Light		353.02	101.97
26 56 26 00-0136	EA	5 Watt LED Step Light		446.87	101.97
26 56 26 00-0137	EA	15 Watt LED Step Light		515.67	101.97

26 56 33 Walkway Lighting (26 56)

26 56 33 00-0001 Incandescent Walkway (26 56 33)

26 56 33 00-0002	EA	Post Top 300 Watt Incandescent Walkway Fixture		500.57	118.53
------------------	----	--	--	--------	--------

26 56 33 00-0003 Metal Halide Walkway (26 56 33)

26 56 33 00-0004	EA	Post Top 100 Watt Metal Halide Walkway Fixture		768.15	186.34
26 56 33 00-0005	EA	Post Top 150-175 Watt Metal Halide Walkway Fixture		816.11	193.09
26 56 33 00-0006	EA	Post Top 250 Watt Metal Halide Walkway Fixture		884.97	200.49
26 56 33 00-0007	EA	Post Top 400 Watt Metal Halide Walkway Fixture		946.37	216.68
26 56 33 00-0008	EA	Round Luminaries 100 Watt Metal Halide Walkway Fixture		838.87	200.49
26 56 33 00-0009	EA	Round Luminaries 150-175 Watt Metal Halide Walkway Fixture		856.85	186.34
26 56 33 00-0010	EA	Round Luminaries 250 Watt Metal Halide Walkway Fixture		871.47	193.09
26 56 33 00-0011	EA	Spherical 100 Watt Metal Halide Walkway Fixture		703.61	132.81
26 56 33 00-0012	EA	Spherical 150-175 Watt Metal Halide Walkway Fixture		749.72	132.81
26 56 33 00-0013	EA	Spherical 250 Watt Metal Halide Walkway Fixture		795.83	132.81
26 56 33 00-0014	EA	Spherical 400 Watt Metal Halide Walkway Fixture		898.66	149.51
26 56 33 00-0015	EA	Low Walkway 100 Watt Metal Halide Walkway Fixture		676.75	119.30

26 56 33 00-0016 High Pressure Sodium Walkway (26 56 33)

26 56 33 00-0017	EA	Post Top 100 Watt High Pressure Sodium Walkway Fixture		681.64	186.34
26 56 33 00-0018	EA	Post Top 150-175 Watt High Pressure Sodium Walkway Fixture		722.07	193.09
26 56 33 00-0019	EA	Post Top 250 Watt High Pressure Sodium Walkway Fixture		779.06	200.49
26 56 33 00-0020	EA	Post Top 400 Watt High Pressure Sodium Walkway Fixture		834.18	216.68
26 56 33 00-0021	EA	Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture		743.04	200.49
26 56 33 00-0022	EA	Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture		750.94	186.34
26 56 33 00-0023	EA	Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture		765.32	193.09
26 56 33 00-0024	EA	Spherical 100 Watt High Pressure Sodium Walkway Fixture		607.78	132.81
26 56 33 00-0025	EA	Spherical 175 150-Watt High Pressure Sodium Walkway Fixture		643.81	132.81
26 56 33 00-0026	EA	Spherical 250 Watt High Pressure Sodium Walkway Fixture		679.83	132.81
26 56 33 00-0027	EA	Spherical 400 Watt High Pressure Sodium Walkway Fixture		767.53	149.51
26 56 33 00-0028	EA	Low Walkway 100 Watt High Pressure Sodium Walkway Fixture		427.53	119.30

26 56 33 00-0029 Walkway, Adjustable (26 56 33)

26 56 33 00-0030	EA	2' Fluorescent Adjustable Walkway Fixture		727.09	170.16
26 56 33 00-0031	EA	4' Fluorescent Adjustable Walkway Fixture		749.84	170.16
26 56 33 00-0032	EA	8' Fluorescent Adjustable Walkway Fixture		1,313.69	254.91
26 56 33 00-0033	EA	50 Watt Incandescent Adjustable Walkway Fixture		618.92	127.46
26 56 33 00-0034	EA	150 Watt Incandescent Adjustable Walkway Fixture		649.26	127.46

26 56 33 00-0035 LED Walkway (26 56 33)

26 56 33 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) (26 56 33 00-0035)

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 33 00-0037	EA	13" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)		674.75	97.87
		<i>For Multi-Level Drive Currents, Add</i>		162.05	
26 56 33 00-0038	EA	18" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)		694.43	97.87
		<i>For Multi-Level Drive Currents, Add</i>		162.05	
26 56 33 00-0039	EA	36" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)		729.16	97.87
		<i>For Multi-Level Drive Currents, Add</i>		162.05	
26 56 33 00-0040	EA	42" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)		755.78	97.87
		<i>For Multi-Level Drive Currents, Add</i>		162.05	
26 56 33 00-0041	EA	96" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)		877.63	125.84
		<i>For Multi-Level Drive Currents, Add</i>		162.05	

26 56 33 00-0042 Wall Mounted Walkway Lighting (26 56 33 00-0035)

26 56 33 00-0043	EA	Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492)		2,633.88	
------------------	----	--	--	----------	--

Note: Type Fixture 17 as Post

26 56 33 00-0044 Pole Mounted Walkway Lighting (26 56 33 00-0035)

26 56 33 00-0045	EA	43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27)		2,442.74	
26 56 33 00-0046	EA	12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12)		2,401.23	

Note: Washers and nuts included

26 56 36 Flood Lighting (26 56)

26 56 36 00-0001 General Electric Powerflood® Flood Lights (26 56 36)

26 56 36 00-0002 MPF (Small Size) Series GE Flood Lights (26 56 36 00-0001)

Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 56 36 00-0003		High Pressure Sodium MPF Series GE Flood Lights (26 56 36 00-0002)			
26 56 36 00-0004	EA	70 Watt High Pressure Sodium MPF Series GE Flood Light	294.72		99.61
26 56 36 00-0005	EA	100 Watt High Pressure Sodium MPF Series GE Flood Light	296.63		99.61
26 56 36 00-0006	EA	150 Watt High Pressure Sodium MPF Series GE Flood Light	299.81		99.61
26 56 36 00-0007		Metal Halide MPF Series GE Flood Lights (26 56 36 00-0002)			
26 56 36 00-0008	EA	70 Watt Metal Halide MPF Series GE Flood Light	370.48		99.61
26 56 36 00-0009		P-154 (Small Size) Series GE Flood Lights (26 56 36 00-0001)			
		Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.			
26 56 36 00-0010		High Pressure Sodium P-154 Series GE Flood Lights (26 56 36 00-0009)			
26 56 36 00-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light	540.00		132.82
26 56 36 00-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light	542.55		132.82
26 56 36 00-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light	547.01		132.82
26 56 36 00-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light	597.30		132.82
26 56 36 00-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light	611.94		132.82
26 56 36 00-0016		Metal Halide P-154 Series GE Flood Lights (26 56 36 00-0009)			
26 56 36 00-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	535.55		132.82
26 56 36 00-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	557.83		132.82
26 56 36 00-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	569.29		132.82
26 56 36 00-0020		PF-154 (Medium Size) Series GE Flood Lights (26 56 36 00-0001)			
		Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.			
26 56 36 00-0021		High Pressure Sodium PF-154 Series GE Flood Lights (26 56 36 00-0020)			
26 56 36 00-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light	562.39		149.41
26 56 36 00-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light	565.58		149.41
26 56 36 00-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light	570.67		149.41
26 56 36 00-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light	620.32		149.41
26 56 36 00-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light	634.33		149.41
26 56 36 00-0027		Metal Halide PF-154 GE Flood Lights (26 56 36 00-0020)			
26 56 36 00-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light	558.57		149.41
26 56 36 00-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light	580.22		149.41
26 56 36 00-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light	591.68		149.41
26 56 36 00-0031		PF-400 (Medium Size) Series GE Flood Lights (26 56 36 00-0001)			
		Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.			
26 56 36 00-0032		High Pressure Sodium PF-400 Series GE Flood Lights (26 56 36 00-0031)			
26 56 36 00-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light	712.63		149.41
26 56 36 00-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light	757.19		149.41
26 56 36 00-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light	754.01		149.41
26 56 36 00-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light	769.92		149.41
26 56 36 00-0037		Metal Halide PF-400 GE Flood Lights (26 56 36 00-0031)			
26 56 36 00-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light	729.18		149.41
26 56 36 00-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light	742.55		149.41
26 56 36 00-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light	756.56		149.41
26 56 36 00-0041		PF-1000 (Large Size) Series GE Flood Lights (26 56 36 00-0001)			
		Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.			
26 56 36 00-0042		High Pressure Sodium PF-154 Series GE Flood Lights (26 56 36 00-0041)			
26 56 36 00-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	936.17		166.02
26 56 36 00-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	936.17		166.02
26 56 36 00-0045		Metal Halide PF-1000 Series GE Flood Lights (26 56 36 00-0041)			
26 56 36 00-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light	899.25		166.02
26 56 36 00-0047		HLU/VLU (Medium Size) FRP Series GE Flood Lights (26 56 36 00-0001)			
		Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.			
26 56 36 00-0048		High Pressure Sodium HLU/VLU FRP Series GE Flood Lights (26 56 36 00-0047)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0049	EA		250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	773.74	149.41
26 56 36 00-0050	EA		400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	785.84	149.41
26 56 36 00-0051			Metal Halide HLU/VLU Series GE Flood Lights (26 56 36 00-0047)		
26 56 36 00-0052	EA		400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	780.75	149.41
26 56 36 00-0053			Accessories For Powerflood GE Flood Lights (26 56 36 00-0001)		
26 56 36 00-0054	EA		Wireguard For Powerflood GE Flood Light	139.62	33.20
26 56 36 00-0055	EA		Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	92.51	33.20
26 56 36 00-0056	EA		Top Visor For Powerflood Flood Light	121.79	33.20
26 56 36 00-0057	EA		Top And Two Side Visors For Powerflood GE Flood Light	99.51	33.20
26 56 36 00-0058	EA		Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	264.16	99.61
26 56 36 00-0059	EA		Multiple Mounting Channel For Powerflood GE Flood Light	106.52	33.20
26 56 36 00-0060	EA		Wall Or Flat Surface Bracket For Powerflood GE Flood Light	216.42	99.61
26 56 36 00-0061	EA		Steel Angle Bracket For Powerflood GE Flood Light	222.15	99.61
26 56 36 00-0062	EA		Cross Arm Adaptor For Powerflood GE Flood Light	86.78	33.20
26 56 36 00-0063	EA		120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	84.87	33.20
26 56 36 00-0064			Lithonia Contour Series Flood Lights (26 56 36)		
26 56 36 00-0065			TFM (Small Size) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 56 36 00-0066			High Pressure Sodium TFM Series Lithonia Flood Lights (26 56 36 00-0065)		
26 56 36 00-0067	EA		70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	506.11	132.82
26 56 36 00-0068	EA		100 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	542.87	132.82
26 56 36 00-0069	EA		150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	578.86	132.82
26 56 36 00-0070			Metal Halide TFM Series Lithonia Flood Lights (26 56 36 00-0065)		
26 56 36 00-0071	EA		50 Watt Metal Halide TFM Series Lithonia Flood Light.....	623.78	132.82
26 56 36 00-0072	EA		70 Watt Metal Halide TFM Series Lithonia Flood Light.....	614.93	132.82
26 56 36 00-0073	EA		100 Watt Metal Halide TFM Series Lithonia Flood Light.....	600.67	132.82
26 56 36 00-0074	EA		175 Watt Metal Halide TFM Series Lithonia Flood Light.....	599.62	132.82
26 56 36 00-0075			Compact Fluorescent TFM Series Lithonia Flood Lights (26 56 36 00-0065)		
26 56 36 00-0076	EA		42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	620.11	132.82
26 56 36 00-0077			TFL (Medium Size) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0078			High Pressure Sodium TFL Series Lithonia Flood Lights (26 56 36 00-0077)		
26 56 36 00-0079	EA		250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	730.86	149.41
26 56 36 00-0080	EA		400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	743.12	149.41
26 56 36 00-0081			Metal Halide TFL Series Lithonia Flood Lights (26 56 36 00-0077)		
26 56 36 00-0082	EA		175 Watt Metal Halide TFL Series Lithonia Flood Light.....	703.31	149.41
26 56 36 00-0083	EA		250 Watt Metal Halide TFL Series Lithonia Flood Light.....	703.31	149.41
26 56 36 00-0084	EA		400 Watt Metal Halide TFL Series Lithonia Flood Light.....	722.54	149.41
26 56 36 00-0085			TFR (Low Profile) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0086			High Pressure Sodium TFR Lithonia Flood Lights (26 56 36 00-0085)		
26 56 36 00-0087	EA		150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	691.54	132.82
26 56 36 00-0088	EA		250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	709.89	132.82
26 56 36 00-0089	EA		400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	725.22	132.82
26 56 36 00-0090			Metal Halide TFR Lithonia Flood Lights (26 56 36 00-0085)		
26 56 36 00-0091	EA		250 Watt Metal Halide TFR Series Lithonia Flood Light	685.40	132.82
26 56 36 00-0092	EA		400 Watt Metal Halide TFR Series Lithonia Flood Light	703.78	132.82
26 56 36 00-0093			TFA (Large Size) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0094			High Pressure Sodium TFA Series Lithonia Flood Lights (26 56 36 00-0093)		
26 56 36 00-0095	EA		1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	1,266.42	166.02

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 36 00-0096		Metal Halide TFA Series Lithonia Flood Lights (26 56 36 00-0093)		
26 56 36 00-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,006.01	166.02
26 56 36 00-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,097.91	166.02
26 56 36 00-0099		Accessories For Contour Series Lithonia Flood Lights (26 56 36 00-0064)		
26 56 36 00-0100	EA	Wireguard For Contour Series Lithonia Flood Light.....	124.18	33.20
26 56 36 00-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light.....	214.38	33.20
26 56 36 00-0102	EA	Upper Visor For Contour Series Lithonia Flood Light.....	107.15	33.20
26 56 36 00-0103	EA	Full Visor For Contour Series Lithonia Flood Light.....	134.72	33.20
26 56 36 00-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light.....	321.75	99.61
26 56 36 00-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light.....	272.97	99.61
26 56 36 00-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light.....	272.97	99.61
26 56 36 00-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe.....	292.43	99.61
26 56 36 00-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light.....	119.99	33.20
26 56 36 00-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light.....	101.30	33.20
26 56 36 00-0110		Ruud Flood Lights (26 56 36)		
26 56 36 00-0111		NS (Micro) Series Ruud Flood Lights (26 56 36 00-0110)		
		Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 56 36 00-0112		High Pressure Sodium NS Series Ruud Flood Lights (26 56 36 00-0111)		
26 56 36 00-0113	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light.....	343.10	99.61
26 56 36 00-0114	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light.....	343.10	99.61
26 56 36 00-0115	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light.....	343.10	99.61
26 56 36 00-0116	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light.....	343.10	99.61
26 56 36 00-0117	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light.....	343.10	99.61
26 56 36 00-0118		Metal Halide NS Series Ruud Flood Lights (26 56 36 00-0111)		
26 56 36 00-0119	EA	50 Watt Metal Halide NS Series Ruud Flood Light.....	378.75	99.61
26 56 36 00-0120	EA	70 Watt Metal Halide NS Series Ruud Flood Light.....	378.75	99.61
26 56 36 00-0121	EA	100 Watt Metal Halide NS Series Ruud Flood Light.....	378.75	99.61
26 56 36 00-0122		Compact Fluorescent NS Series Ruud Flood Lights (26 56 36 00-0111)		
26 56 36 00-0123	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light.....	306.18	99.61
26 56 36 00-0124	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light.....	315.09	99.61
26 56 36 00-0125	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light.....	317.64	99.61
26 56 36 00-0126	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light.....	320.18	99.61
26 56 36 00-0127		NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights (26 56 36 00-0110)		
		Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 56 36 00-0128		High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0127)		
26 56 36 00-0129	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	525.47	149.41
26 56 36 00-0130	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	548.39	149.41
26 56 36 00-0131	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	561.12	149.41
26 56 36 00-0132		Metal Halide NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0127)		
26 56 36 00-0133	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	520.38	149.41
26 56 36 00-0134	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	522.92	149.41
26 56 36 00-0135	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	530.56	149.41
26 56 36 00-0136		Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0127)		
26 56 36 00-0137	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light.....	511.46	149.41
26 56 36 00-0138		FS (Square) Series Ruud Flood Lights (26 56 36 00-0110)		
		Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0139		High Pressure Sodium FS Series Ruud Flood Lights (26 56 36 00-0138)		
26 56 36 00-0140	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	592.95	149.41
26 56 36 00-0141	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light.....	595.50	149.41
26 56 36 00-0142	EA	1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	936.81	166.02
26 56 36 00-0143		Metal Halide FS Series Ruud Flood Lights (26 56 36 00-0138)		
26 56 36 00-0144	EA	175 Watt Metal Halide FS Series Ruud Flood Light.....	592.95	149.41
26 56 36 00-0145	EA	250 Watt Metal Halide FS Series Ruud Flood Light.....	595.50	149.41
26 56 36 00-0146	EA	400 Watt Metal Halide FS Series Ruud Flood Light.....	603.13	149.41
26 56 36 00-0147	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light.....	852.78	166.02
26 56 36 00-0148		MFS (Mini Square) Series Ruud Flood Lights (26 56 36 00-0110)		
		Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		

Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

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

26 56 36 00-0149	High Pressure Sodium MFS Series Ruud Flood Lights <small>(26 56 36 00-0148)</small>		
26 56 36 00-0150	EA 35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	478.25	132.82
26 56 36 00-0151	EA 50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	504.99	132.82
26 56 36 00-0152	EA 70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	504.99	132.82
26 56 36 00-0153	EA 100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	504.99	132.82
26 56 36 00-0154	EA 150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	504.99	132.82
26 56 36 00-0155	Metal Halide MFS Series Ruud Flood Lights <small>(26 56 36 00-0148)</small>		
26 56 36 00-0156	EA 50 Watt Metal Halide MFS Series Ruud Flood Light.....	513.90	132.82
26 56 36 00-0157	EA 70 Watt Metal Halide MFS Series Ruud Flood Light.....	513.90	132.82
26 56 36 00-0158	EA 100 Watt Metal Halide MFS Series Ruud Flood Light.....	513.90	132.82
26 56 36 00-0159	EA 175 Watt Metal Halide MFS Series Ruud Flood Light.....	499.90	132.82
26 56 36 00-0160	MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
<small>Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.</small>			
26 56 36 00-0161	High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights <small>(26 56 36 00-0160)</small>		
26 56 36 00-0162	EA 35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	510.08	132.82
26 56 36 00-0163	EA 50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	536.82	132.82
26 56 36 00-0164	EA 70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	536.82	132.82
26 56 36 00-0165	EA 100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	536.82	132.82
26 56 36 00-0166	EA 150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	536.82	132.82
26 56 36 00-0167	Metal Halide MCF/MPM/MPN Series Ruud Flood Lights <small>(26 56 36 00-0160)</small>		
26 56 36 00-0168	EA 50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	545.73	132.82
26 56 36 00-0169	EA 70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	545.73	132.82
26 56 36 00-0170	EA 100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	545.73	132.82
26 56 36 00-0171	EA 175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	531.73	132.82
26 56 36 00-0172	CF (Cutoff Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
<small>Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.</small>			
26 56 36 00-0173	High Pressure Sodium CF Series Ruud Flood Lights <small>(26 56 36 00-0172)</small>		
26 56 36 00-0174	EA 250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	652.79	149.41
26 56 36 00-0175	EA 400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	665.52	149.41
26 56 36 00-0176	EA 1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	968.64	166.02
26 56 36 00-0177	Metal Halide CF Series Ruud Flood Lights <small>(26 56 36 00-0172)</small>		
26 56 36 00-0178	EA 175 Watt Metal Halide CF Series Ruud Flood Light.....	624.78	149.41
26 56 36 00-0179	EA 250 Watt Metal Halide CF Series Ruud Flood Light.....	627.33	149.41
26 56 36 00-0180	EA 400 Watt Metal Halide CF Series Ruud Flood Light.....	634.96	149.41
26 56 36 00-0181	EA 1,000 Watt Metal Halide CF Series Ruud Flood Light.....	884.61	166.02
26 56 36 00-0182	CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
<small>Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.</small>			
26 56 36 00-0183	High Pressure Sodium CN Series Ruud Flood Lights <small>(26 56 36 00-0182)</small>		
26 56 36 00-0184	EA 400 High Pressure Sodium CN Series Ruud Flood Light.....	820.95	166.02
26 56 36 00-0185	EA 1,000 High Pressure Sodium CN Series Ruud Flood Light.....	953.36	166.02
26 56 36 00-0186	Metal Halide CN Series Ruud Flood Lights <small>(26 56 36 00-0182)</small>		
26 56 36 00-0187	EA 400 Watt Metal Halide CN Series Ruud Flood Light.....	790.39	166.02
26 56 36 00-0188	EA 1,000 Watt Metal Halide CN Series Ruud Flood Light.....	869.33	166.02
26 56 36 00-0189	PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
<small>Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.</small>			
26 56 36 00-0190	High Pressure Sodium PM/PN Series Ruud Flood Lights <small>(26 56 36 00-0189)</small>		
26 56 36 00-0191	EA 250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	670.61	149.41
26 56 36 00-0192	EA 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	683.35	149.41
26 56 36 00-0193	Metal Halide PM/PN Series Ruud Flood Lights <small>(26 56 36 00-0189)</small>		
26 56 36 00-0194	EA 175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	642.60	149.41
26 56 36 00-0195	EA 250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	645.15	149.41
26 56 36 00-0196	EA 400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	652.79	149.41
26 56 36 00-0197	EA 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	902.43	166.02
26 56 36 00-0198	Accessories For Ruud Flood Lighting <small>(26 56 36 00-0110)</small>		
26 56 36 00-0199	EA Wireguard For Ruud Flood Light.....	85.51	33.20
26 56 36 00-0200	EA Deep Baffle (Full Visor) For Ruud Flood Light.....	119.88	33.20
26 56 36 00-0201	EA Glare Guard (Upper Visor) For Ruud Flood Light.....	94.42	33.20
26 56 36 00-0202	EA Vandal Shield For Ruud Flood Light.....	107.15	33.20

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 56 36 00-0203	EA	Pipe Mounting Bracket For Ruud Flood Light	242.52		99.61
26 56 36 00-0204	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	77.87		33.20
26 56 36 00-0205		Lumark Flood Lights <small>(26 56 36)</small>			
26 56 36 00-0206		QZ Wedge Series Quartz Lumark Flood Lights <small>(26 56 36 00-0205)</small>			
		Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.			
26 56 36 00-0207	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	225.27		99.61
26 56 36 00-0208		LQL Series Quartz Lumark Flood Lights <small>(26 56 36 00-0205)</small>			
		Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.			
26 56 36 00-0209	EA	1,500 Watt LQL Series Quartz Lumark Flood Light	262.83		99.61
26 56 36 00-0210		Kim Lighting <small>(26 56 36)</small>			
26 56 36 00-0211		MicroFlood® Series Kim Lighting Flood Lights <small>(26 56 36 00-0210)</small>			
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.			
26 56 36 00-0212		LED MicroFlood® Series Kim Lighting Flood Lights <small>(26 56 36 00-0211)</small>			
26 56 36 00-0213	EA	5 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	339.94		44.65
26 56 36 00-0214	EA	15 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	410.58		44.65
26 56 36 00-0215		Scarab® Series Kim Lighting Flood Lights <small>(26 56 36 00-0210)</small>			
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.			
26 56 36 00-0216		LED Scarab® Series Kim Lighting Accent Flood Lights <small>(26 56 36 00-0215)</small>			
		Note: Spot or narrow style accent flood lights.			
26 56 36 00-0217	EA	6 Watt LED Scarab® Series Kim Lighting Accent Flood Light.....	497.48		44.65
26 56 36 00-0218		Magniflood Flood Lights <small>(26 56 36)</small>			
26 56 36 00-0219		Metal Halide Magni-Lite Series Magniflood Flood Lights <small>(26 56 36 00-0218)</small>			
		Note: Includes narrow beam reflector, 3/8" vandal shield, 6' 14/3 SO-WA cord, bronze powder coat finish, stainless steel hardware, and 3/16" tempered glass lens.			
26 56 36 00-0220	EA	175 Watt Metal Halide Flood Light, Aluminum Housing	975.48		160.22
26 56 36 00-0221	EA	250 Watt Metal Halide Flood Light, Aluminum Housing	1,029.41		174.78
26 56 36 00-0222	EA	400 Watt Metal Halide Flood Light, Aluminum Housing	1,064.41		174.78
26 56 36 00-0223		High Pressure Sodium Magni-Lite Series Magniflood Flood Lights <small>(26 56 36 00-0218)</small>			
		Note: Includes narrow beam reflector, 3/8" vandal shield, 6' 14/3 SO-WA cord, bronze powder coat finish, stainless steel hardware, and 3/16" tempered glass lens.			
26 56 36 00-0224	EA	100 Watt High Pressure Sodium Flood Light, Aluminum Housing	938.83		191.19
26 56 36 00-0225	EA	150 Watt High Pressure Sodium Flood Light, Aluminum Housing	963.45		191.19
26 56 36 00-0226	EA	250 Watt High Pressure Sodium Flood Light, Aluminum Housing	1,029.85		191.19
26 56 36 00-0227	EA	400 Watt High Pressure Sodium Flood Light, Aluminum Housing	1,066.85		191.19
26 56 36 00-0228		Accessories <small>(26 56 36 00-0218)</small>			
		Note: Magniflood Inc. model numbers. Includes drilling and fasteners.			
26 56 36 00-0229	EA	Galvanized Parapet Mounting Bracket, MF-2116	429.24		43.13
26 56 36 00-0230	EA	Galvanized Parapet Mounting Bracket, MF-2158	429.24		43.13
26 56 36 00-0231	EA	Galvanized Parapet Mounting Bracket, MF-2159	429.24		43.13
26 56 36 00-0232	EA	Galvanized Parapet Mounting Bracket, MF-2160	542.41		43.13
26 56 36 00-0233	EA	Galvanized Parapet Mounting Bracket, MF-2161	558.57		43.13
26 56 36 00-0234	EA	Galvanized Parapet Mounting Bracket, MF-2162	477.74		43.13
26 56 36 00-0235	EA	Galvanized Parapet Mounting Bracket, MF-2164	582.82		43.13
26 56 36 00-0236	EA	Galvanized Parapet Mounting Bracket, MF-2165	510.07		43.13
26 56 36 00-0237	EA	Galvanized Parapet Mounting Bracket, MF-2166 With Remote Ballast Box.....	558.57		43.13
26 56 36 00-0238	EA	Galvanized Parapet Mounting Bracket, MF-2167	615.15		43.13
26 56 36 00-0239	EA	Galvanized Parapet Mounting Bracket, MF-2167-1	615.15		43.13
26 56 36 00-0240	EA	Galvanized Parapet Mounting Bracket, MF-2167-2	615.15		43.13
26 56 36 00-0241	EA	Galvanized Parapet Mounting Bracket, MF-2168	485.82		43.13
26 56 36 00-0242	EA	Galvanized Parapet Mounting Bracket, MF-2168-1	485.82		43.13
26 56 36 00-0243	EA	Galvanized Parapet Mounting Bracket, MF-2168-2	485.82		43.13
26 56 36 00-0244		CREE® BetaLED® Flood Lights <small>(26 56 36)</small>			
26 56 36 00-0245		Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) <small>(26 56 36 00-0244)</small>			
		Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			
26 56 36 00-0246	EA	40 LEDs, 47 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	877.93		121.81
26 56 36 00-0247	EA	60 LEDs, 68 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	958.61		128.58
26 56 36 00-0248		Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) <small>(26 56 36 00-0244)</small>			
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0249	EA		20 LEDs, 26 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	768.34	115.04
			<i>For 480 Volt, Add</i>	59.38	
26 56 36 00-0250	EA		40 LEDs, 47 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	952.01	121.81
			<i>For 480 Volt, Add</i>	59.38	
26 56 36 00-0251	EA		60 LEDs, 68 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,135.71	128.58
			<i>For 480 Volt, Add</i>	59.38	
26 56 36 00-0252	EA		80 LEDs, 90 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,387.70	135.34
			<i>For 480 Volt, Add</i>	59.38	
26 56 36 00-0253	EA		100 LEDs, 111 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,571.38	142.11
			<i>For 480 Volt, Add</i>	59.38	
26 56 36 00-0254	EA		120 LEDs, 132 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,755.08	148.88
			<i>For 480 Volt, Add</i>	59.38	
26 56 36 00-0255	EA		140 LEDs, 157 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,993.17	155.64
			<i>For 480 Volt, Add</i>	59.38	
26 56 36 00-0256	EA		160 LEDs, 179 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,176.85	162.42
			<i>For 480 Volt, Add</i>	59.38	
26 56 36 00-0257			Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) (26 56 36 00-0244)		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0258	EA		120 LEDs, 267 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	1,686.78	148.88
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	13.65	
			<i>For Bird Spikes, Add</i>	36.40	
			<i>For 5,000K Color Temperature, Add</i>	34.13	
			<i>For Fuse, Add</i>	40.95	
			<i>For 0 To 10 Volt Dimming, Add</i>	40.95	
			<i>For 480 Volt, Add</i>	61.44	
			<i>For Multi-Level, Add</i>	88.73	
			<i>For 1,000mA Driver, Add</i>	114.68	
26 56 36 00-0259	EA		240 LEDs, 533 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,815.22	182.72
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	13.65	
			<i>For 5,000K Color Temperature, Add</i>	34.13	
			<i>For Fuse, Add</i>	40.95	
			<i>For 0 To 10 Volt Dimming, Add</i>	40.95	
			<i>For Bird Spikes, Add</i>	52.68	
			<i>For Multi-Level, Add</i>	88.73	
			<i>For 1,000mA Driver, Add</i>	114.68	
			<i>For 480 Volt, Add</i>	122.86	
26 56 36 00-0260			Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) (26 56 36 00-0244)		
			Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0261	EA		112 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	1,028.83	148.88
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	13.65	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	29.22	
			<i>For Rotated Optics, Back Light Shield, Add</i>	29.22	
			<i>For Field Adjustable Output, Add</i>	20.48	
			<i>For Fuse, Add</i>	40.95	
			<i>For 0 To 10 Volt Dimming, Add</i>	40.95	
			<i>For Multi-Level, Add</i>	88.73	
26 56 36 00-0262	EA		168 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL)	1,093.34	148.88
			Note: Type III, IV or V medium optics only.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	13.65	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	29.22	
			<i>For Rotated Optics, Back Light Shield, Add</i>	29.22	
			<i>For Field Adjustable Output, Add</i>	20.48	
			<i>For Fuse, Add</i>	40.95	
			<i>For 0 To 10 Volt Dimming, Add</i>	40.95	
			<i>For Type II Medium Or Type V Short Optics, Add</i>	81.61	
			<i>For Multi-Level, Add</i>	88.73	
26 56 36 00-0263	EA		223 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL)	1,397.52	182.72
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	13.65	
			<i>For Field Adjustable Output, Add</i>	20.48	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	35.47	
			<i>For Rotated Optics, Back Light Shield, Add</i>	35.47	
			<i>For Fuse, Add</i>	40.95	
			<i>For 0 To 10 Volt Dimming, Add</i>	40.95	
			<i>For Multi-Level, Add</i>	88.73	
26 56 36 00-0264			PlanLED Flood Lights (26 56 36)		

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 36 00-0265		Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) <small>(26 56 36 00-0264)</small>		
26 56 36 00-0266	EA	6,250 Lumens, 50 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	471.95	121.81
26 56 36 00-0267	EA	9,375 Lumens, 75 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	549.89	128.58
26 56 36 00-0268	EA	12,500 Lumens, 100 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100).....	626.40	138.72
26 56 36 00-0269		Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) <small>(26 56 36 00-0264)</small>		
26 56 36 00-0270	EA	21,000 Lumens, 200 System Watts, LED Sports Flood Light (PlanLED SUFA SF200).....	1,261.51	270.69
		<i>For 0 To 10 Volt Dimming, Add</i>	50.17	
26 56 36 00-0271	EA	42,000 Lumens, 400 System Watts, LED Sports Flood Light (PlanLED SUFA SF400).....	1,829.43	270.69
		<i>For 0 To 10 Volt Dimming, Add</i>	50.17	
26 56 36 00-0272	EA	84,000 Lumens, 800 System Watts, LED Sports Flood Light (PlanLED SUFA SF800).....	3,051.91	270.69
		<i>For 0 To 10 Volt Dimming, Add</i>	50.17	
26 56 36 00-0273		Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) <small>(26 56 36 00-0264)</small>		
26 56 36 00-0274	EA	26,000 Lumens, 200 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200).....	1,062.66	175.94
		<i>For 0 To 10 Volt Dimming, Add</i>	50.17	
		<i>For 480 Volt, Add</i>	-19.86	
26 56 36 00-0275	EA	39,000 Lumens, 300 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300).....	1,324.45	182.72
		<i>For 0 To 10 Volt Dimming, Add</i>	50.17	
		<i>For 480 Volt, Add</i>	60.51	
26 56 36 00-0276	EA	52,000 Lumens, 400 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400).....	1,652.96	189.48
		<i>For 0 To 10 Volt Dimming, Add</i>	50.17	
		<i>For 480 Volt, Add</i>	48.60	
26 56 39		Hazardous Location Flood Lights <small>(26 56)</small>		
		Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.		
26 56 39 00-0001		Lithonia Hazardous Location Flood Lights <small>(26 56 39)</small>		
26 56 39 00-0002		HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small>		
		Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0003		High Pressure Sodium HFR Series Hazardous Location Flood Lights <small>(26 56 39 00-0002)</small>		
26 56 39 00-0004	EA	150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	686.18	132.82
26 56 39 00-0005	EA	250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	725.65	132.82
26 56 39 00-0006	EA	400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	687.45	132.82
26 56 39 00-0007		Metal Halide HFR Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0002)</small>		
26 56 39 00-0008	EA	250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	721.44	132.82
26 56 39 00-0009	EA	400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	702.73	132.82
26 56 39 00-0010		HFM (Medium Base) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small>		
		Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0011		High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0010)</small>		
26 56 39 00-0012	EA	100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	659.05	132.82
26 56 39 00-0013	EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	682.60	132.82
26 56 39 00-0014		Metal Halide HFM Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0010)</small>		
26 56 39 00-0015	EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	595.39	132.82
26 56 39 00-0016		HFA (Large) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small>		
		Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0017		High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0016)</small>		
26 56 39 00-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	913.89	166.02
26 56 39 00-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	925.35	166.02
26 56 39 00-0020		Metal Halide HFA Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0016)</small>		
26 56 39 00-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	910.07	166.02
26 56 39 00-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	925.35	166.02
26 56 39 00-0023		HFL (Medium) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small>		
		Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		

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

26 56 39 00-0024			High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0023)</small>		
26 56 39 00-0025	EA		400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	699.90	149.41
26 56 39 00-0026			Metal Halide HFL Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0023)</small>		
26 56 39 00-0027	EA		400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	744.46	149.41
26 56 39 00-0028			Accessories For Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small> See CSI section 26 56 36 00-0099 for accessories.		
26 56 43			High Performance Flood Lights <small>(26 56)</small> Note: For airport aprons and parking areas.		
26 56 43 00-0001			Lithonia High Performance Flood Lights <small>(26 56 43)</small>		
26 56 43 00-0002			170S Series Lithonia High Performance Flood Lights <small>(26 56 43 00-0001)</small> Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 56 43 00-0003			High Pressure Sodium 170S Series Lithonia High Performance Flood Lights <small>(26 56 43 00-0002)</small>		
26 56 43 00-0004	EA		250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,504.86	199.23
26 56 43 00-0005	EA		400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,609.26	199.23
26 56 43 00-0006	EA		750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,614.36	199.23
26 56 43 00-0007	EA		1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,773.51	199.23
26 56 43 00-0008			Metal Halide 170S Series Lithonia High Performance Flood Lights <small>(26 56 43 00-0002)</small>		
26 56 43 00-0009	EA		320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,707.30	199.23
26 56 43 00-0010	EA		350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,636.70	199.23
26 56 43 00-0011	EA		400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,569.79	199.23
26 56 43 00-0012	EA		1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,636.00	199.23
26 56 43 00-0013			Accessories For Lithonia High Performance Flood Lights <small>(26 56 43 00-0002)</small> See CSI section 26 56 36 00-0099 for accessories.		

END OF SECTION 26

26 Electrical

26 50 Lighting

26 56 Exterior Lighting

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

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

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications ⁽²⁷⁾

27 05 26 Grounding and Bonding for Communications Systems ^(27 05)

27 05 26 00-0001	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	195.81		34.45
27 05 26 00-0002	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	228.43		34.45
27 05 26 00-0003	EA	#6 AWG, Cable Runway Ground Strap	47.85		6.38
27 05 26 00-0004	EA	1/4" Screw Size, #6 AWG Compression Lug	20.56		6.38
27 05 26 00-0005	EA	3/8" Screw Size, #6 AWG Compression Lug	21.52		6.38
27 05 26 00-0006	EA	Two Mounting Hole, Ground Terminal Block	23.30		6.38
27 05 26 00-0007	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00).....	710.76		130.40
		Note: Excludes terminations.			
27 05 26 00-0008	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00).....	928.34		173.91
		Note: Excludes terminations.			
27 05 26 00-0009	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00).....	1,446.70		260.80
		Note: Excludes terminations.			
27 05 26 00-0010	EA	Lucent 3B1-EW, Gas Tube Protector Unit	8.65		1.91
27 05 26 00-0011	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK)	78.36		34.45

27 05 29 Hangers And Supports For Communications Systems ^(27 05)

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29)

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	8.32		3.19
		<i>For >50 To 100, Deduct</i>	-0.37		
		<i>For >100 To 250, Deduct</i>	-0.74		
		<i>For >250 To 500, Deduct</i>	-1.42		
		<i>For >500, Deduct</i>	-2.11		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.70		
		<i>For Work In Restricted Working Space, Add</i>	1.91		
		<i>For Painted Powder Coated Finish, Add</i>	0.39		
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	8.62		3.19
		<i>For >50 To 100, Deduct</i>	-0.38		
		<i>For >100 To 250, Deduct</i>	-0.75		
		<i>For >250 To 500, Deduct</i>	-1.44		
		<i>For >500, Deduct</i>	-2.14		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.70		
		<i>For Work In Restricted Working Space, Add</i>	1.91		
		<i>For Painted Powder Coated Finish, Add</i>	1.38		
		<i>For Low Friction Xylan® Coated Finish, Add</i>	4.92		
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	9.09		3.19
		<i>For >50 To 100, Deduct</i>	-0.39		
		<i>For >100 To 250, Deduct</i>	-0.77		
		<i>For >250 To 500, Deduct</i>	-1.48		
		<i>For >500, Deduct</i>	-2.19		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.70		
		<i>For Work In Restricted Working Space, Add</i>	1.91		
		<i>For Painted Powder Coated Finish, Add</i>	1.70		
		<i>For Low Friction Xylan® Coated Finish, Add</i>	6.12		
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	13.11		3.19
		<i>For >50 To 100, Deduct</i>	-0.49		
		<i>For >100 To 250, Deduct</i>	-0.97		
		<i>For >250 To 500, Deduct</i>	-1.78		
		<i>For >500, Deduct</i>	-2.59		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.70		
		<i>For Work In Restricted Working Space, Add</i>	1.91		
		<i>For Painted Powder Coated Finish, Add</i>	0.91		
		<i>For Low Friction Xylan® Coated Finish, Add</i>	5.42		

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	9.03		3.19
		<i>For >50 To 100, Deduct</i>	-0.39		
		<i>For >100 To 250, Deduct</i>	-0.77		
		<i>For >250 To 500, Deduct</i>	-1.47		
		<i>For >500, Deduct</i>	-2.18		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.70		
		<i>For Work In Restricted Working Space, Add</i>	1.91		

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers And Supports For Communications Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
27 05 29 00-0009	EA 1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	10.84	3.19
	<i>For >50 To 100, Deduct</i>	-0.43	
	<i>For >100 To 250, Deduct</i>	-0.86	
	<i>For >250 To 500, Deduct</i>	-1.61	
	<i>For >500, Deduct</i>	-2.36	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.70	
	<i>For Work In Restricted Working Space, Add</i>	1.91	
27 05 29 00-0010	EA 2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	11.72	3.19
	<i>For >50 To 100, Deduct</i>	-0.45	
	<i>For >100 To 250, Deduct</i>	-0.91	
	<i>For >250 To 500, Deduct</i>	-1.68	
	<i>For >500, Deduct</i>	-2.45	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.70	
	<i>For Work In Restricted Working Space, Add</i>	1.91	
27 05 29 00-0011	EA 4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	14.88	3.19
	<i>For >50 To 100, Deduct</i>	-0.53	
	<i>For >100 To 250, Deduct</i>	-1.06	
	<i>For >250 To 500, Deduct</i>	-1.91	
	<i>For >500, Deduct</i>	-2.76	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.70	
	<i>For Work In Restricted Working Space, Add</i>	1.91	
27 05 29 00-0012	Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001) Note: Excludes strut.		
27 05 29 00-0013	EA 3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	9.36	3.19
	<i>For >50 To 100, Deduct</i>	-0.39	
	<i>For >100 To 250, Deduct</i>	-0.79	
	<i>For >250 To 500, Deduct</i>	-1.50	
	<i>For >500, Deduct</i>	-2.21	
	<i>For Work In Restricted Working Space, Add</i>	1.91	
27 05 29 00-0014	EA 1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	10.57	3.19
	<i>For >50 To 100, Deduct</i>	-0.42	
	<i>For >100 To 250, Deduct</i>	-0.85	
	<i>For >250 To 500, Deduct</i>	-1.59	
	<i>For >500, Deduct</i>	-2.33	
	<i>For Work In Restricted Working Space, Add</i>	1.91	
27 05 29 00-0015	EA 2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	11.20	3.19
	<i>For >50 To 100, Deduct</i>	-0.44	
	<i>For >100 To 250, Deduct</i>	-0.88	
	<i>For >250 To 500, Deduct</i>	-1.64	
	<i>For >500, Deduct</i>	-2.40	
	<i>For Work In Restricted Working Space, Add</i>	1.91	
27 05 29 00-0016	EA 4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	14.18	3.19
	<i>For >50 To 100, Deduct</i>	-0.51	
	<i>For >100 To 250, Deduct</i>	-1.03	
	<i>For >250 To 500, Deduct</i>	-1.86	
	<i>For >500, Deduct</i>	-2.69	
	<i>For Work In Restricted Working Space, Add</i>	1.91	
27 05 29 00-0017	T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001) Note: Excludes T-Bar.		
27 05 29 00-0018	EA 3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	10.69	3.19
	<i>For >50 To 100, Deduct</i>	-0.43	
	<i>For >100 To 250, Deduct</i>	-0.85	
	<i>For >250 To 500, Deduct</i>	-1.60	
	<i>For >500, Deduct</i>	-2.35	
	<i>For Work In Restricted Working Space, Add</i>	1.91	
27 05 29 00-0019	EA 1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	12.73	3.19
	<i>For >50 To 100, Deduct</i>	-0.48	
	<i>For >100 To 250, Deduct</i>	-0.96	
	<i>For >250 To 500, Deduct</i>	-1.75	
	<i>For >500, Deduct</i>	-2.55	
	<i>For Work In Restricted Working Space, Add</i>	1.91	
27 05 29 00-0020	EA 2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	13.27	3.19
	<i>For >50 To 100, Deduct</i>	-0.49	
	<i>For >100 To 250, Deduct</i>	-0.98	
	<i>For >250 To 500, Deduct</i>	-1.79	
	<i>For >500, Deduct</i>	-2.60	
	<i>For Work In Restricted Working Space, Add</i>	1.91	
27 05 29 00-0021	Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001) Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.		

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

27 05 29 00-0022	EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	9.20	3.19
		<i>For >50 To 100, Deduct</i>	-0.39	
		<i>For >100 To 250, Deduct</i>	-0.78	
		<i>For >250 To 500, Deduct</i>	-1.49	
		<i>For >500, Deduct</i>	-2.20	
		<i>For Work In Restricted Working Space, Add</i>	1.91	
27 05 29 00-0023	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	9.48	3.19
		<i>For >50 To 100, Deduct</i>	-0.40	
		<i>For >100 To 250, Deduct</i>	-0.79	
		<i>For >250 To 500, Deduct</i>	-1.51	
		<i>For >500, Deduct</i>	-2.22	
		<i>For Work In Restricted Working Space, Add</i>	1.91	
27 05 29 00-0024	EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	10.90	3.19
		<i>For >50 To 100, Deduct</i>	-0.43	
		<i>For >100 To 250, Deduct</i>	-0.86	
		<i>For >250 To 500, Deduct</i>	-1.62	
		<i>For >500, Deduct</i>	-2.37	
		<i>For Work In Restricted Working Space, Add</i>	1.91	

27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)

Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.

27 05 29 00-0026	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	10.73	3.19
		<i>For >50 To 100, Deduct</i>	-0.43	
		<i>For >100 To 250, Deduct</i>	-0.86	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-2.35	
		<i>For Work In Restricted Working Space, Add</i>	1.91	
27 05 29 00-0027	EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB).....	11.40	3.19
		<i>For >50 To 100, Deduct</i>	-0.44	
		<i>For >100 To 250, Deduct</i>	-0.89	
		<i>For >250 To 500, Deduct</i>	-1.65	
		<i>For >500, Deduct</i>	-2.42	
		<i>For Work In Restricted Working Space, Add</i>	1.91	
27 05 29 00-0028	EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	14.69	3.19
		<i>For >50 To 100, Deduct</i>	-0.53	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.90	
		<i>For >500, Deduct</i>	-2.75	
		<i>For Work In Restricted Working Space, Add</i>	1.91	

27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)

27 05 29 00-0030	EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	10.64	3.19
		<i>For >50 To 100, Deduct</i>	-0.43	
		<i>For >100 To 250, Deduct</i>	-0.85	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-2.34	
		<i>For Work In Restricted Working Space, Add</i>	1.91	
27 05 29 00-0031	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	11.83	3.19
		<i>For >50 To 100, Deduct</i>	-0.46	
		<i>For >100 To 250, Deduct</i>	-0.91	
		<i>For >250 To 500, Deduct</i>	-1.68	
		<i>For >500, Deduct</i>	-2.46	
		<i>For Work In Restricted Working Space, Add</i>	1.91	
27 05 29 00-0032	EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A).....	12.45	3.19
		<i>For >50 To 100, Deduct</i>	-0.47	
		<i>For >100 To 250, Deduct</i>	-0.94	
		<i>For >250 To 500, Deduct</i>	-1.73	
		<i>For >500, Deduct</i>	-2.52	
		<i>For Work In Restricted Working Space, Add</i>	1.91	
27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A).....	15.89	3.19
		<i>For >50 To 100, Deduct</i>	-0.56	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.99	
		<i>For >500, Deduct</i>	-2.87	
		<i>For Work In Restricted Working Space, Add</i>	1.91	

27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) (27 05 29)

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers And Supports For Communications Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0035	EA		Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	27.89	4.21
			<i>For >50 To 100, Deduct</i>	-1.02	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-3.69	
			<i>For >500, Deduct</i>	-5.34	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	3.29	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
27 05 29 00-0036	EA		Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	28.33	4.21
			<i>For >50 To 100, Deduct</i>	-1.03	
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-3.72	
			<i>For >500, Deduct</i>	-5.38	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
27 05 29 00-0037	EA		Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	30.63	4.21
			<i>For >50 To 100, Deduct</i>	-1.08	
			<i>For >100 To 250, Deduct</i>	-2.17	
			<i>For >250 To 500, Deduct</i>	-3.89	
			<i>For >500, Deduct</i>	-5.61	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
27 05 29 00-0038	EA		>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	27.81	4.21
			<i>For >50 To 100, Deduct</i>	-1.01	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-3.68	
			<i>For >500, Deduct</i>	-5.33	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
27 05 29 00-0039	EA		Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	28.88	4.21
			<i>For >50 To 100, Deduct</i>	-1.04	
			<i>For >100 To 250, Deduct</i>	-2.08	
			<i>For >250 To 500, Deduct</i>	-3.76	
			<i>For >500, Deduct</i>	-5.44	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
27 05 29 00-0040	EA		>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	29.94	4.21
			<i>For >50 To 100, Deduct</i>	-1.07	
			<i>For >100 To 250, Deduct</i>	-2.13	
			<i>For >250 To 500, Deduct</i>	-3.84	
			<i>For >500, Deduct</i>	-5.54	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
27 05 29 00-0041	EA		Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	28.52	4.21
			<i>For >50 To 100, Deduct</i>	-1.03	
			<i>For >100 To 250, Deduct</i>	-2.06	
			<i>For >250 To 500, Deduct</i>	-3.73	
			<i>For >500, Deduct</i>	-5.40	
			<i>For Work In Restricted Working Space, Add</i>	3.83	

27 05 33 Conduits And Backboxes For Communications Systems (27 05)

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 39 Surface Raceways For Communications Systems (27 05)

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts And Raceways For Communications Systems (27 05)

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles For Communications Systems (27 05)

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification For Communications Systems (27 05)

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling (27)

Note: Includes testing.

27 11 Communications Equipment Room Fittings (27 10)**27 11 16 Communications Cabinets, Racks, Frames, And Enclosures** (27 11)**27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards** (27 11 16)

27 11 16 00-0002	EA		4' x 4' x 3/4" Fire Retardant Plywood Phone Backboard	86.53	33.14
			<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	47.28	
27 11 16 00-0003	EA		4' x 8' x 3/4" Fire Retardant Plywood Phone Backboard	173.04	66.28
			<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	94.56	

27 11 16 00-0004 Terminal Cabinets (27 11 16)

27 11 16 00-0005	EA		12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	303.43	95.59
27 11 16 00-0006	EA		18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	370.66	105.15
27 11 16 00-0007	EA		24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	426.57	121.09
27 11 16 00-0008	EA		18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	442.04	124.27
27 11 16 00-0009	EA		24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	520.60	127.46
27 11 16 00-0010	EA		26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	632.80	143.39
27 11 16 00-0011	EA		24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	642.44	140.20

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

27 11 16 00-0012	EA 30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	840.62	199.72
27 11 16 00-0013	EA 36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	904.02	219.48
27 11 16 00-0014	EA 42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,065.21	231.84
27 11 16 00-0015	EA 30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	879.49	191.19
27 11 16 00-0016	EA 36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	951.43	207.11
27 11 16 00-0017	EA 48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,192.12	265.49
27 11 16 00-0018	EA 54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,442.09	331.89
27 11 16 00-0019	EA 48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,596.22	328.20
27 11 16 00-0020	EA 60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,851.52	399.32

27 11 16 00-0021 Equipment Racks And Cable Managers (27 11 16)

27 11 16 00-0022 Equipment Racks (27 11 16 00-0021)

Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.

27 11 16 00-0023 Standard Equipment Racks (27 11 16 00-0022)

27 11 16 00-0024 19" Width, Standard Equipment Racks (27 11 16 00-0023)

27 11 16 00-0025	EA 84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)	574.74	203.93
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	8.34	
27 11 16 00-0026	EA 96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)	762.67	216.68
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	16.47	
27 11 16 00-0027	EA 108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)	821.42	229.42
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.13	

27 11 16 00-0028 Universal Equipment Racks (27 11 16 00-0022)

27 11 16 00-0029 Universal Equipment Racks (27 11 16 00-0028)

27 11 16 00-0030 19" Width, EIA Universal Equipment Racks (27 11 16 00-0029)

27 11 16 00-0031	EA 36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)	701.98	178.44
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	17.26	
27 11 16 00-0032	EA 48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)	760.06	181.62
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.84	
27 11 16 00-0033	EA 60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)	760.87	184.81
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.56	
27 11 16 00-0034	EA 66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)	779.60	187.99
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.18	
27 11 16 00-0035	EA 72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)	798.13	191.19
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.79	
27 11 16 00-0036	EA 78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)	818.06	194.37
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.47	
27 11 16 00-0037	EA 84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)	713.83	197.56
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	15.94	
27 11 16 00-0038	EA 90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)	856.87	200.74
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.77	
27 11 16 00-0039	EA 96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)	885.15	203.93
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.86	
27 11 16 00-0040	EA 102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)	910.04	207.11
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.79	
27 11 16 00-0041	EA 108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)	917.35	210.31
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.84	

27 11 16 00-0042 23" Width, Universal Equipment Racks (27 11 16 00-0029)

27 11 16 00-0043	EA 36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	737.40	178.44
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.03	
27 11 16 00-0044	EA 48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	761.37	181.62
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.91	
27 11 16 00-0045	EA 60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	782.67	184.81
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.65	
27 11 16 00-0046	EA 66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	821.07	187.99
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.25	
27 11 16 00-0047	EA 72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	840.83	191.19
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.92	
27 11 16 00-0048	EA 78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	862.17	194.37
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.67	
27 11 16 00-0049	EA 84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	758.45	197.56
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.17	
27 11 16 00-0050	EA 90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	903.69	200.74
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.11	
27 11 16 00-0051	EA 96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15)	934.18	203.93
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.32	
27 11 16 00-0052	EA 102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17)	961.01	207.11
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.34	
27 11 16 00-0053	EA 108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)	968.40	210.31
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.39	

27 11 16 00-0054 35" Width, Universal Equipment Racks (27 11 16 00-0029)

27 11 16 00-0055	EA 72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)	900.86	191.19
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.92	
27 11 16 00-0056	EA 84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)	946.69	197.56
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.58	

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0057			UL Listed Universal Equipment Racks (27 11 16 00-0028) Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058			19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0059	EA		36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)	736.50	178.44
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.98	
27 11 16 00-0060	EA		48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)	790.27	181.62
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.35	
27 11 16 00-0061	EA		60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)	802.58	184.81
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.65	
27 11 16 00-0062	EA		66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)	819.99	187.99
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.20	
27 11 16 00-0063	EA		72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)	839.69	191.19
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.87	
27 11 16 00-0064	EA		78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)	860.98	194.37
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.61	
27 11 16 00-0065	EA		84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)	881.51	197.56
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.32	
27 11 16 00-0066	EA		90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)	902.44	200.74
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.05	
27 11 16 00-0067	EA		96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)	932.90	203.93
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.25	
27 11 16 00-0068	EA		102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)	959.66	207.11
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.27	
27 11 16 00-0069	EA		108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)	966.99	210.31
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.32	
27 11 16 00-0070			23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0071	EA		36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)	775.49	178.44
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.93	
27 11 16 00-0072	EA		48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)	843.14	181.62
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.99	
27 11 16 00-0073	EA		60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)	854.34	184.81
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.24	
27 11 16 00-0074	EA		66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)	865.57	187.99
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.48	
27 11 16 00-0075	EA		72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)	886.66	191.19
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.21	
27 11 16 00-0076	EA		78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)	909.52	194.37
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.04	
27 11 16 00-0077	EA		84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)	931.47	197.56
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.82	
27 11 16 00-0078	EA		90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)	953.90	200.74
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.62	
27 11 16 00-0079	EA		96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)	986.80	203.93
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.95	
27 11 16 00-0080	EA		102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)	1,015.70	207.11
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.07	
27 11 16 00-0081	EA		108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)	1,023.26	210.31
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.13	
27 11 16 00-0082			4-Post Equipment Racks And Server Frames (27 11 16 00-0022)		
27 11 16 00-0083			4-Post Equipment Racks (27 11 16 00-0082)		
27 11 16 00-0084	EA		19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)	1,466.63	318.64
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	41.47	
27 11 16 00-0085	EA		19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)	1,592.78	331.38
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	46.50	
27 11 16 00-0086	EA		19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)	1,712.14	344.13
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	51.19	
27 11 16 00-0087			4-Post Server Frame (27 11 16 00-0082)		
27 11 16 00-0088	EA		19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)	1,503.11	318.64
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	43.29	
27 11 16 00-0089			Cable Managers (27 11 16 00-0021)		
27 11 16 00-0090			Horizontal Cable Managers (27 11 16 00-0089)		
27 11 16 00-0091			Single-Sided, Horizontal Cable Managers (27 11 16 00-0090)		
27 11 16 00-0092	EA		1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	81.93	12.75
27 11 16 00-0093	EA		1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	90.49	12.75
27 11 16 00-0094	EA		1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	69.48	12.75
27 11 16 00-0095	EA		2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	83.22	12.75
27 11 16 00-0096	EA		2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	96.48	12.75
27 11 16 00-0097	EA		2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	76.25	12.75
27 11 16 00-0098	EA		3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	109.92	12.75
27 11 16 00-0099	EA		3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	124.22	12.75
27 11 16 00-0100	EA		3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	89.79	12.75
27 11 16 00-0101			Double-Sided, Horizontal Cable Managers (27 11 16 00-0090)		
27 11 16 00-0102	EA		1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	100.18	12.75

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

27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	111.46	12.75
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	105.07	12.75
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	121.23	12.75
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	134.04	12.75
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	149.32	12.75

27 11 16 00-0108 Vertical Cable Managers (27 11 16 00-0089)

27 11 16 00-0109 Single-Sided, Vertical Cable Managers (27 11 16 00-0108)

27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	178.68	19.12
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	248.05	19.12
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	393.57	19.12
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	444.33	19.12
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	190.52	19.12
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	266.66	19.12
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	427.41	19.12
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	478.17	19.12
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	214.21	19.12
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	292.04	19.12
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	478.17	19.12
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	528.93	19.12

27 11 16 00-0122 Double-Sided, Vertical Cable Managers (27 11 16 00-0108)

27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	254.82	19.12
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	298.81	19.12
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	478.17	19.12
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	562.77	19.12
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	275.12	19.12
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	319.12	19.12
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	512.01	19.12
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	596.61	19.12
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	302.20	19.12
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	346.19	19.12
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	562.77	19.12
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	647.37	19.12

27 11 16 00-0135 Accessories For Vertical Cable Managers (27 11 16 00-0108)

27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	110.09	12.75
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	116.86	12.75
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	123.63	12.75
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	113.48	12.75
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	123.63	12.75
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	133.78	12.75
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	127.01	12.75
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	137.16	12.75
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	147.32	12.75
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	133.78	12.75
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	147.32	12.75
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	157.47	12.75
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	93.17	12.75
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	106.71	12.75
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	111.28	12.75
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	72.87	12.75

27 11 19 Communications Termination Blocks And Patch Panels (27 11)

27 11 19 00-0001 Computer Network Components (27 11 19)

27 11 19 00-0002 Ethernet Patch Panels (27 11 19 00-0001)

27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	227.29	63.73
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	312.47	63.73
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	393.07	63.73
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	468.17	63.73
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	556.78	79.66
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	846.97	95.59
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	268.51	63.73
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	317.97	63.73
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	508.47	63.73
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	923.91	95.59
27 11 19 00-0013	EA	16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	511.61	95.59
27 11 19 00-0014	EA	16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	545.40	95.59
27 11 19 00-0015	EA	12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289)	235.52	63.73
27 11 19 00-0016	EA	Up To 5 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	45.16	
27 11 19 00-0017	EA	>5 To 10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	37.63	
27 11 19 00-0018	EA	>10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	22.58	
27 11 19 00-0019	EA	Up To 20 Pairs, Terminate One End Of A Twisted Pair Of Wires	12.42	
		Note: Per each pair		
27 11 19 00-0020	EA	>20 To 40 Pairs, Terminate One End Of A Twisted Pair Of Wires	10.35	
		Note: Per each pair		
27 11 19 00-0021	EA	>40 Pairs, Terminate One End Of A Twisted Pair Of Wires	6.21	
		Note: Per each pair		

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
27 11 19 00-0022		Fiber Optic Cable Patch Panels And Enclosures (27 11 19 00-0001)			
27 11 19 00-0023		Fiber Optic Cable Connector Housings (27 11 19 00-0022)			
27 11 19 00-0024		Wall Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0023) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.			
27 11 19 00-0025	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	118.55		28.68
27 11 19 00-0026	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	166.18		28.68
27 11 19 00-0027	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	236.65		28.68
27 11 19 00-0028	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	353.37		47.80
27 11 19 00-0029	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	478.84		47.80
27 11 19 00-0030		Rack Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0023) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.			
27 11 19 00-0031	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	366.23		47.80
27 11 19 00-0032	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	414.07		47.80
27 11 19 00-0033	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	443.33		47.80
27 11 19 00-0034	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	514.03		47.80
27 11 19 00-0035		Rack Mount, Fiber Optic Cable Pretium® Connector Housings (27 11 19 00-0023) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.			
27 11 19 00-0036	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	448.22		47.80
		<i>For Splice Tray Bracket, Add</i>	44.26		
27 11 19 00-0037	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	519.37		47.80
		<i>For Splice Tray Bracket, Add</i>	48.40		
27 11 19 00-0038	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	639.29		47.80
		<i>For Splice Tray Bracket, Add</i>	176.32		
27 11 19 00-0039		Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings (27 11 19 00-0023) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.			
27 11 19 00-0040	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	559.87		47.80
27 11 19 00-0041	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	706.60		47.80
27 11 19 00-0042	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	795.54		47.80
27 11 19 00-0043	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,022.39		47.80
27 11 19 00-0044		Wall Mount, Fiber Optic Cable Industrial Connector Housings (27 11 19 00-0023) Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.			
27 11 19 00-0045	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	490.12		28.68
27 11 19 00-0046	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	683.63		47.80
27 11 19 00-0047	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	715.76		47.80
27 11 19 00-0048		Wall Mount, Fiber Optic Cable Environmental Connector Housings (27 11 19 00-0023) Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.			
27 11 19 00-0049	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	512.32		28.68
27 11 19 00-0050	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	683.24		47.80
27 11 19 00-0051	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	796.90		47.80
27 11 19 00-0052		Fiber Optic Cable Connector Panels (27 11 19 00-0022)			
27 11 19 00-0053		SC Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0052)			
27 11 19 00-0054	EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	69.15		6.37
27 11 19 00-0055	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	74.67		6.37
27 11 19 00-0056	EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	83.22		6.37
27 11 19 00-0057	EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	90.57		6.37
27 11 19 00-0058	EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	111.39		6.37
27 11 19 00-0059	EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	122.39		6.37
27 11 19 00-0060		SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0052)			
27 11 19 00-0061	EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	66.71		6.37
27 11 19 00-0062	EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	68.01		6.37
27 11 19 00-0063	EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	79.99		6.37
27 11 19 00-0064	EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	81.71		6.37
27 11 19 00-0065	EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	106.54		6.37
27 11 19 00-0066	EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	109.10		6.37
27 11 19 00-0067		LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0052)			
27 11 19 00-0068	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	71.69		6.37
27 11 19 00-0069	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	78.18		6.37
27 11 19 00-0070	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	86.60		6.37
27 11 19 00-0071	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	95.27		6.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0072	EA		12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	116.47	6.37
27 11 19 00-0073	EA		12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	129.45	6.37
27 11 19 00-0074	EA		16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	146.32	6.37
27 11 19 00-0075	EA		16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	163.62	6.37
27 11 19 00-0076	EA		24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	206.01	6.37
27 11 19 00-0077	EA		24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	212.04	6.37
27 11 19 00-0078			ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0052)		
27 11 19 00-0079	EA		6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	58.23	6.37
27 11 19 00-0080	EA		6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	62.40	6.37
27 11 19 00-0081	EA		8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	68.67	6.37
27 11 19 00-0082	EA		8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	74.24	6.37
27 11 19 00-0083	EA		12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	89.54	6.37
27 11 19 00-0084	EA		12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	97.90	6.37
27 11 19 00-0085			MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0052)		
27 11 19 00-0086	EA		12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	71.30	6.37
27 11 19 00-0087	EA		12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel.....	104.47	6.37
27 11 19 00-0088			Fiber Optic Cable Pretium Edge® Modules (27 11 19 00-0052)		
27 11 19 00-0089	EA		12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	579.97	6.37
27 11 19 00-0090	EA		12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	581.96	6.37
27 11 19 00-0091			Fiber Optic Cable Splice Housings (27 11 19 00-0022)		
27 11 19 00-0092			Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0091)		
			Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0093	EA		12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	275.23	63.73
27 11 19 00-0094			Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0091)		
			Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0095	EA		12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	378.66	47.80
27 11 19 00-0096	EA		22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	383.84	47.80
27 11 19 00-0097			Fiber Optic Cable Splice Trays (27 11 19 00-0091)		
27 11 19 00-0098	EA		Fiber Optic Cable Splice Tray.....	77.09	15.93
27 11 19 00-0099			Fiber Optic Cable Jumper Management Panels (27 11 19 00-0022)		
			Note: Includes mounting hardware.		
27 11 19 00-0100	EA		Rack Mount, Fiber Optic Cable Jumper Management Panel.....	161.65	47.80
27 11 19 00-0101			Miscellaneous Accessories (27 11 19 00-0001)		
27 11 19 00-0102	EA		Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	58.67	
27 11 19 00-0103	EA		Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	76.66	
27 11 19 00-0104	EA		Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	84.70	
27 11 19 00-0105	EA		Wall Mount Bracket For 96 Port Patch Panel.....	94.84	
27 11 19 00-0106	EA		Lightning Protection Plus Stainless Steel Modules, Siemon.....	352.04	63.73
27 11 19 00-0107			Telephone Components (27 11 19)		
27 11 19 00-0108			Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0107)		
27 11 19 00-0109	EA		Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG.....	32.51	12.76
27 11 19 00-0110	EA		Terminal Block, Fuse Holder 600 Volt, 6.3 Amp With Wire Range 22-8 AWG.....	50.93	12.76
27 11 19 00-0111	EA		Terminal Block, Fuse Holder 600 Volt, 10 Amp With Wire Range 22-8 AWG.....	43.39	12.76
27 11 19 00-0112	EA		Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG.....	26.92	12.76
27 11 19 00-0113	EA		Flat Terminal Block Connection With Wire Range 22-8 AWG.....	19.23	8.93
27 11 19 00-0114	EA		Ground Terminal Block With Wire Range 22-8 AWG.....	33.30	12.76
27 11 19 00-0115	EA		Terminal Block, Solderless Box With Lug 600 Volt, 60 Amp With Wire Range 22-8 AWG.....	26.92	12.76
27 11 19 00-0116	EA		Terminal Block, Mini Box Lug 300 Volt, 30 Amp With Wire Range 22-8 AWG.....	19.12	8.93
27 11 19 00-0117	EA		Flat Terminal Block Connection 300 Volt, 20 Amp With Wire Range 22-8 AWG.....	19.04	8.93
27 11 19 00-0118	EA		Self Lifting Terminal Block, 300 Volt, 40 Amp Wire Connection With Wire Range 22-12 AWG.....	19.40	8.93
27 11 19 00-0119			Terminal Block Mounting Channel (27 11 19 00-0107)		
27 11 19 00-0120	EA		Terminal Block Mounting Channel, .5 M Galvanized Steel.....	16.84	6.38
27 11 19 00-0121	EA		Terminal Block Mounting Channel, 1 M Galvanized Steel.....	20.21	6.38
27 11 19 00-0122	EA		Terminal Block Mounting Channel, 2 M Galvanized Steel.....	25.97	6.38
27 11 19 00-0123	EA		Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc.....	20.72	7.66
27 11 19 00-0124	EA		Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc.....	26.24	7.66
27 11 19 00-0125	EA		Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc.....	34.95	7.66
27 11 19 00-0126			Outlet Termination Hardware (27 11 19 00-0107)		
27 11 19 00-0127	EA		Telephone Outlet Blocks.....	26.82	6.38

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

27 11 19 00-0128	EA	Phone Outlet Block For Floor Box..... Note: Excludes box.	102.95	48.43
27 11 19 00-0129	EA	Fiber Optic "SC" Type Modular Bulkhead.....	77.33	28.68
27 11 19 00-0130	EA	Fiber Optic "ST" Type Modular Bulkhead.....	77.33	28.68
27 11 19 00-0131	EA	Type "F" Coaxial Connector Male.....	47.40	19.12
27 11 19 00-0132	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	106.18	31.87
27 11 19 00-0133	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	106.18	31.87
27 11 19 00-0134	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	121.99	31.87
27 11 19 00-0135	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	121.99	31.87
27 11 19 00-0136	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector.....	113.67	31.87
27 11 19 00-0137	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5.....	877.96	159.32
27 11 19 00-0138	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V..... Note: Excludes cable terminations.	51.58	12.75
27 11 19 00-0139	EA	Connecting Block, 5-Pair.....	3.35	1.27
27 11 19 00-0140	EA	Connecting Block, 4-Pair.....	3.53	1.27
27 11 19 00-0141	EA	Plastic Label Holder, Transparent.....	13.87	3.18
27 11 19 00-0142	EA	Marked Label, White, 5-Pair.....	4.04	
27 11 19 00-0143	EA	Marked Label, Blue, 4-Pair.....	4.04	

27 11 19 00-0144 Terminations in Manhole or Junction Box (27 11 19 00-0107)

27 11 19 00-0145	EA	25 Pair Cable Termination In Manhole Or Junction Box.....	203.93	
27 11 19 00-0146	EA	50 Pair Cable Termination In Manhole Or Junction Box.....	407.86	
27 11 19 00-0147	EA	100 Pair Cable Termination In Manhole Or Junction Box.....	815.72	
27 11 19 00-0148	EA	150 Pair Cable Termination In Manhole Or Junction Box.....	1,223.57	
27 11 19 00-0149	EA	200 Pair Cable Termination In Manhole Or Junction Box.....	1,431.33	
27 11 19 00-0150	EA	300 Pair Cable Termination In Manhole Or Junction Box.....	2,146.35	
27 11 19 00-0151	EA	400 Pair Cable Termination In Manhole Or Junction Box.....	2,699.51	
27 11 19 00-0152	EA	500 Pair Cable Termination In Manhole Or Junction Box.....	3,375.03	
27 11 19 00-0153	EA	750 Pair Cable Termination In Manhole Or Junction Box.....	5,062.52	
27 11 19 00-0154	EA	1,000 Pair Cable Termination In Manhole Or Junction Box.....	6,139.49	
27 11 19 00-0155	EA	1,200 Pair Cable Termination In Manhole Or Junction Box.....	6,997.38	

27 11 23 Communications Cable Management and Ladder Rack (27 11)**27 11 23 00-0001 Equipment Supports (27 11 23)**

27 11 23 00-0002	EA	110 Jumper Trough (Commscope 107831133).....	33.54	6.37
27 11 23 00-0003	LF	Velcro CMP.....	2.86	1.27
27 11 23 00-0004	EA	12" x 5'-11" Tubular Runway.....	96.13	30.58
27 11 23 00-0005	EA	12" x 9'-11" Tubular Runway.....	166.12	50.98
27 11 23 00-0006	EA	Shelf Bracket Support For Tubular Runway.....	30.68	9.56
27 11 23 00-0007	EA	Straight Clamp Hardware For Tubular Runway.....	15.14	6.37
27 11 23 00-0008	EA	Corner Clamp Hardware For Tubular Runway.....	15.73	6.37
27 11 23 00-0009	EA	90 Degree Edge Clamp Hardware For Tubular Runway.....	33.32	11.47
27 11 23 00-0010	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway.....	66.27	19.12
27 11 23 00-0011	EA	J-Bolt Hardware For Tubular Runway.....	6.83	2.80
27 11 23 00-0012	EA	T Bracket Hardware For Tubular Runway.....	36.60	15.93

27 14 Communications Cabling (27 10)**27 14 13 Communications Copper Cabling (27 14)****27 14 13 13 Communications Copper Cable Splicing and Terminations (27 14 13)****27 14 13 13-0001 Modular Plugs For Copper Communications Cable (27 14 13 13)**

27 14 13 13-0002	EA	Modular Plug For Non-Shielded Copper Communications Cable..... Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.	27.53	
		For >5 To 10, Deduct	-3.82	
		For >10, Deduct	-7.64	
27 14 13 13-0003	EA	Modular Plug For Shielded Copper Communications Cable..... Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.	31.15	
		For >5 To 10, Deduct	-4.30	
		For >10, Deduct	-8.59	

27 14 13 13-0004 Communications Termination Blocks (27 14 13 13)

27 14 13 13-0005	EA	100-Pair, 110 Block With Legs.....	49.05	15.93
27 14 13 13-0006	EA	300-Pair, 110 Block With Legs.....	74.04	15.93
27 14 13 13-0007	EA	Clear Label Holder For 110 Wiring Block.....	13.24	6.37
27 14 13 13-0008	EA	4-Pair, 110C Connecting Block.....	7.13	3.18
27 14 13 13-0009	EA	5-Pair, 110C Connecting Block.....	7.22	3.18
27 14 13 13-0010	EA	100-Pair, 110 Jack Panel System..... Note: Includes twelve 8-pin modular jacks and mounting legs.	210.41	19.12
27 14 13 13-0011	EA	300-Pair, 110 Jack Panel System..... Note: Includes twelve 8-pin modular jacks and mounting legs.	475.73	19.12

27 14 13 13-0012 Testing And Certification Of Copper Communications Cable (27 14 13 13)

27 14 13 13-0013	EA	Test 1-Pair Of A Copper Communications Cable For Continuity..... Note: Use for existing systems.	6.37	
		For >25-Pair, Deduct	-2.54	
27 14 13 13-0014	EA	Certify 1-Pair Of A Copper Communications Cable..... Note: Use for existing systems.	9.56	
		For >25-Pair, Deduct	-3.82	

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

27 14 13 13-0015	EA Certify And Document 1-Pair Of A Copper Communications Cable <i>For >25-Pair, Deduct</i>	15.29	
		-6.11	
27 14 13 13-0016	EA Test 4-Pair Cat 5-7 Telecommunications Cable For Continuity <i>For >25-Pair, Deduct</i>	25.49	
		-10.18	
27 14 13 13-0017	EA Certify 4-Pair Cat 5-7 Telecommunications Cable <i>For >25-Pair, Deduct</i>	38.24	
		-15.27	
27 14 13 13-0018	EA Certify And Document 4-Pair Cat 5-7 Telecommunications Cable <i>For >25-Pair, Deduct</i>	61.18	
		-24.44	

27 14 13 13-0019 Building Entrance Terminals (27 14 13 13)

27 14 13 13-0020	EA 25 Pair Gas Protective Unit Assembly Complete With Gas Protector	1,579.06	279.65
27 14 13 13-0021	EA 50 Pair Gas Protective Unit Assembly Complete With Gas Protector	2,227.41	466.08
27 14 13 13-0022	EA 100 Pair Gas Protective Unit Assembly Complete With Gas Protector	3,273.34	746.31

27 14 13 16 Communications Copper Cabling (27 14 13)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 14 13 16-0001	Copper Telecommunications Cable <small>(27 14 13 16)</small>		
27 14 13 16-0002	Indoor Telecommunications Cable <small>(27 14 13 16-0001)</small> Note: Shielded twisted pair cables (STP) include a metallic foil wrap. Un-shielded twisted pair cables (UTP) exclude any shielding.		
27 14 13 16-0003	Category 3, Indoor Telecommunications Cable <small>(27 14 13 16-0002)</small> Note: Un-shielded twisted pair cables (UTP).		
27 14 13 16-0004	Category 3, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0003)</small>		
27 14 13 16-0005	24 AWG, Category 3, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0004)</small>		
27 14 13 16-0006	24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0005)</small>		
27 14 13 16-0007	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	951.58	535.32
27 14 13 16-0008	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	976.92	535.32
27 14 13 16-0009	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	985.88	535.32
27 14 13 16-0010	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,163.76	611.79
27 14 13 16-0011	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,350.34	611.79
27 14 13 16-0012	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,646.58	611.79
27 14 13 16-0013	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,461.61	764.73
27 14 13 16-0014	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	4,327.99	1,223.58
27 14 13 16-0015	MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,642.52	1,376.52
27 14 13 16-0016	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	7,264.30	1,529.47
27 14 13 16-0017	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	10,550.59	2,141.26
27 14 13 16-0018	MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	13,703.93	2,645.98
27 14 13 16-0019	MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	21,309.66	3,670.73
27 14 13 16-0020	MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	35,683.93	7,341.45
27 14 13 16-0021	MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	49,315.10	11,012.19

27 14 13 16-0022 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 14 13 16-0005)

27 14 13 16-0023	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,843.78	1,070.63
		535.32	
27 14 13 16-0024	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,869.12	1,070.63
		535.32	
27 14 13 16-0025	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,878.08	1,070.63
		535.32	
27 14 13 16-0026	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,928.51	1,070.63
		535.32	
27 14 13 16-0027	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,115.09	1,070.63
		535.32	
27 14 13 16-0028	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,666.24	1,223.58
		611.79	
27 14 13 16-0029	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,736.18	1,529.47
		764.74	
27 14 13 16-0030	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,347.63	1,835.36
		917.68	
27 14 13 16-0031	MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,789.62	2,064.78
		1,032.39	
27 14 13 16-0032	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,538.85	2,294.21
		1,147.10	
27 14 13 16-0033	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	12,334.98	3,211.88
		1,605.95	
27 14 13 16-0034	MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	15,921.65	3,976.63
		1,988.31	
27 14 13 16-0035	MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	24,368.60	5,506.09
		2,753.05	
27 14 13 16-0036	MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	41,801.81	11,012.19
		5,506.10	
27 14 13 16-0037	MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	58,491.93	16,518.29
		8,259.14	

27 14 13 16-0038 22 AWG, Category 3, Indoor Telecommunications Riser Cable (27 14 13 16-0004)

27 Communications
27 10 Structured Cabling
27 14 Communications Cabling

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0039 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0039)</small>		
27 14 13 16-0040 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,384.46	611.79
27 14 13 16-0041 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,441.02	764.73
27 14 13 16-0042 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,153.72	1,223.58
27 14 13 16-0043 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	10,444.36	1,529.47
27 14 13 16-0044 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	15,279.82	2,141.26
27 14 13 16-0045 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	19,795.07	2,645.98
27 14 13 16-0046 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	29,159.01	3,670.73
27 14 13 16-0047 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0039)</small>		
27 14 13 16-0048 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	3,404.12	1,223.58
<i>For Work In Restricted Working Space, Add</i>	611.79	
27 14 13 16-0049 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	4,715.59	1,529.47
<i>For Work In Restricted Working Space, Add</i>	764.74	
27 14 13 16-0050 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	7,173.36	1,835.36
<i>For Work In Restricted Working Space, Add</i>	917.68	
27 14 13 16-0051 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	11,718.91	2,294.21
<i>For Work In Restricted Working Space, Add</i>	1,147.10	
27 14 13 16-0052 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	17,064.21	3,211.88
<i>For Work In Restricted Working Space, Add</i>	1,605.95	
27 14 13 16-0053 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	22,012.79	3,976.63
<i>For Work In Restricted Working Space, Add</i>	1,988.31	
27 14 13 16-0054 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	32,217.95	5,506.09
<i>For Work In Restricted Working Space, Add</i>	2,753.05	
27 14 13 16-0055 Category 3, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0003)</small>		
27 14 13 16-0056 24 AWG, Category 3, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0055)</small>		
27 14 13 16-0057 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0056)</small>		
27 14 13 16-0058 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	972.08	535.32
27 14 13 16-0059 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	997.32	535.32
27 14 13 16-0060 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,016.20	535.32
27 14 13 16-0061 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,197.81	611.79
27 14 13 16-0062 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,401.18	611.79
27 14 13 16-0063 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,952.47	611.79
27 14 13 16-0064 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,084.38	764.73
27 14 13 16-0065 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	5,632.86	1,223.58
27 14 13 16-0066 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	9,309.11	1,529.47
27 14 13 16-0067 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	13,836.89	2,141.26
27 14 13 16-0068 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0056)</small>		
27 14 13 16-0069 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,864.28	1,070.63
<i>For Work In Restricted Working Space, Add</i>	535.32	
27 14 13 16-0070 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,889.52	1,070.63
<i>For Work In Restricted Working Space, Add</i>	535.32	
27 14 13 16-0071 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,908.40	1,070.63
<i>For Work In Restricted Working Space, Add</i>	535.32	
27 14 13 16-0072 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,962.56	1,070.63
<i>For Work In Restricted Working Space, Add</i>	535.32	
27 14 13 16-0073 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,165.93	1,070.63
<i>For Work In Restricted Working Space, Add</i>	535.32	
27 14 13 16-0074 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,972.13	1,223.58
<i>For Work In Restricted Working Space, Add</i>	611.79	
27 14 13 16-0075 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	4,358.95	1,529.47
<i>For Work In Restricted Working Space, Add</i>	764.74	
27 14 13 16-0076 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	6,652.50	1,835.36
<i>For Work In Restricted Working Space, Add</i>	917.68	
27 14 13 16-0077 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	10,583.66	2,294.21
<i>For Work In Restricted Working Space, Add</i>	1,147.10	
27 14 13 16-0078 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	15,621.28	3,211.88
<i>For Work In Restricted Working Space, Add</i>	1,605.95	
27 14 13 16-0079 Category 5E, Indoor Telecommunications Cable <small>(27 14 13 16-0002)</small>		
27 14 13 16-0080 Category 5E, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0079)</small>		
27 14 13 16-0081 Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0080)</small>		
27 14 13 16-0082 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,031.36	535.32
27 14 13 16-0083 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,063.96	535.32
27 14 13 16-0084 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,192.04	611.79
27 14 13 16-0085 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,224.63	611.79
27 14 13 16-0086 Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0080)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0087 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,923.56 535.32	1,070.63
27 14 13 16-0088 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,956.16 535.32	1,070.63
27 14 13 16-0089 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,211.70 611.79	1,223.58
27 14 13 16-0090 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,244.29 611.79	1,223.58
27 14 13 16-0091 Category 5E, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0079)</small>		
27 14 13 16-0092 Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0091)</small>		
27 14 13 16-0093 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,151.24	535.32
27 14 13 16-0094 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,533.40	611.79
27 14 13 16-0095 Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0091)</small>		
27 14 13 16-0096 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,043.44 535.32	1,070.63
27 14 13 16-0097 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,553.06 611.79	1,223.58
27 14 13 16-0098 Category 6, Indoor Telecommunications Cable <small>(27 14 13 16-0002)</small>		
27 14 13 16-0099 Category 6, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0098)</small>		
27 14 13 16-0100 Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0099)</small>		
27 14 13 16-0101 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,187.63	535.32
27 14 13 16-0102 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,220.66	535.32
27 14 13 16-0103 Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0099)</small>		
27 14 13 16-0104 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,079.83 535.32	1,070.63
27 14 13 16-0105 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,112.86 535.32	1,070.63
27 14 13 16-0106 Category 6, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0098)</small>		
27 14 13 16-0107 Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0106)</small>		
27 14 13 16-0108 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,493.26	535.32
27 14 13 16-0109 Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0108)</small>		
27 14 13 16-0110 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,385.46 535.32	1,070.63
27 14 13 16-0111 Category 6a, Indoor Telecommunications Cable <small>(27 14 13 16-0002)</small>		
27 14 13 16-0112 Category 6a, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0111)</small>		
27 14 13 16-0113 Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0112)</small>		
27 14 13 16-0114 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit	1,240.41	535.32
27 14 13 16-0115 Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0113)</small>		
27 14 13 16-0116 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,132.61 535.32	1,070.63
27 14 13 16-0117 Category 6a, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0111)</small>		
27 14 13 16-0118 Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0117)</small>		
27 14 13 16-0119 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,649.48	535.32
27 14 13 16-0120 Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0117)</small>		
27 14 13 16-0121 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,541.68 535.32	1,070.63
27 14 13 16-0122 Category 7, Indoor Telecommunications Cable <small>(27 14 13 16-0002)</small>		
27 14 13 16-0123 Category 7, Indoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0122)</small>		
27 14 13 16-0124 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,362.04	611.79
27 14 13 16-0125 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,296.52	611.79

27 Communications
27 10 Structured Cabling
27 14 Communications Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0126			Category 7, Indoor Telecommunications Cable, Installed Exposed (27 14 13 16-0122)		
27 14 13 16-0127	MLF		4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed.....	3,381.70	1,223.58
			<i>For Work In Restricted Working Space, Add</i>	611.79	
27 14 13 16-0128	MLF		4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed.....	5,316.18	1,223.58
			<i>For Work In Restricted Working Space, Add</i>	611.79	
27 14 13 16-0129			Outdoor Telecommunications Cable (27 14 13 16-0001)		
			Note: Cable buried in trench excludes excavation.		
27 14 13 16-0130			PE-89 Outdoor Telecommunications Cable (27 14 13 16-0129)		
			Note: Includes foam-skin polyolefin insulated conductors.		
27 14 13 16-0131			24 AWG, PE-89 Outdoor Telecommunications Cable (27 14 13 16-0130)		
27 14 13 16-0132			24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0131)		
27 14 13 16-0133	MLF		6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,335.81	611.79
27 14 13 16-0134	MLF		12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,469.54	1,070.63
27 14 13 16-0135	MLF		25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,885.09	688.26
27 14 13 16-0136	MLF		50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,561.35	764.73
27 14 13 16-0137	MLF		75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,616.68	1,070.63
27 14 13 16-0138	MLF		100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,418.35	1,223.58
27 14 13 16-0139	MLF		200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,808.61	1,376.52
27 14 13 16-0140	MLF		300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,971.06	1,988.31
27 14 13 16-0141	MLF		400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,175.08	2,600.10
27 14 13 16-0142	MLF		600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	17,878.66	3,517.78
27 14 13 16-0143	MLF		900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	29,824.33	7,035.57
27 14 13 16-0144	MLF		1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	41,606.55	10,400.40
27 14 13 16-0145			24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0131)		
27 14 13 16-0146	MLF		6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,144.64	
27 14 13 16-0147	MLF		12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,278.37	
27 14 13 16-0148	MLF		25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,630.18	
27 14 13 16-0149	MLF		50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,306.44	
27 14 13 16-0150	MLF		75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,234.30	
27 14 13 16-0151	MLF		100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,781.06	
27 14 13 16-0152	MLF		200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	6,553.70	
27 14 13 16-0153	MLF		300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	9,206.33	
27 14 13 16-0154	MLF		400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	11,581.88	
27 14 13 16-0155	MLF		600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	15,074.63	
27 14 13 16-0156	MLF		900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	22,176.98	
27 14 13 16-0157	MLF		1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	30,390.42	
27 14 13 16-0158			22 AWG, PE-89 Outdoor Telecommunications Cable (27 14 13 16-0130)		
27 14 13 16-0159			22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0158)		
27 14 13 16-0160	MLF		6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,420.83	611.79
27 14 13 16-0161	MLF		12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,628.38	611.79
27 14 13 16-0162	MLF		25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,210.21	688.26
27 14 13 16-0163	MLF		50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,140.04	764.73
27 14 13 16-0164	MLF		75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,521.02	1,070.63
27 14 13 16-0165	MLF		100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,647.77	1,223.58
27 14 13 16-0166	MLF		200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,180.34	1,376.52
27 14 13 16-0167	MLF		300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,353.62	1,988.31
27 14 13 16-0168	MLF		400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	17,735.06	2,600.10
27 14 13 16-0169	MLF		600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	25,841.81	3,517.78
27 14 13 16-0170	MLF		900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	39,881.14	7,035.57
27 14 13 16-0171	MLF		1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	56,652.46	10,400.40
27 14 13 16-0172			22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0158)		
27 14 13 16-0173	MLF		6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,229.66	
27 14 13 16-0174	MLF		12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,437.21	
27 14 13 16-0175	MLF		25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,955.30	
27 14 13 16-0176	MLF		50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,885.13	
27 14 13 16-0177	MLF		75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,138.64	
27 14 13 16-0178	MLF		100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	5,265.40	
27 14 13 16-0179	MLF		200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,925.43	
27 14 13 16-0180	MLF		300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	12,588.89	
27 14 13 16-0181	MLF		400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	16,141.86	
27 14 13 16-0182	MLF		600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	23,037.78	
27 14 13 16-0183	MLF		900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	32,233.79	
27 14 13 16-0184	MLF		1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	45,436.33	
27 14 13 16-0185			19 AWG, PE-89 Outdoor Telecommunications Cable (27 14 13 16-0130)		
27 14 13 16-0186			19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0185)		
27 14 13 16-0187	MLF		25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,212.52	688.26
27 14 13 16-0188	MLF		50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,099.23	764.73

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	27 14 13 16-0189	MLF		75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	8,006.04	1,070.63
	27 14 13 16-0190	MLF		100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	9,528.34	1,223.58
27 14 13 16-0191				19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0185)</small>		
	27 14 13 16-0192	MLF		25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,957.61	
	27 14 13 16-0193	MLF		50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,844.32	
	27 14 13 16-0194	MLF		75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,623.66	
	27 14 13 16-0195	MLF		100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	9,145.97	
27 14 13 16-0196				PE-39 Outdoor Telecommunications Cable <small>(27 14 13 16-0129)</small> Note: Includes solid polyolefin insulated conductors.		
27 14 13 16-0197				24 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 14 13 16-0196)</small>		
27 14 13 16-0198				24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0197)</small>		
	27 14 13 16-0199	MLF		6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,112.52	1,070.63
	27 14 13 16-0200	MLF		12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,276.12	1,070.63
	27 14 13 16-0201	MLF		25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,606.19	1,070.63
	27 14 13 16-0202	MLF		50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	3,200.58	1,070.63
	27 14 13 16-0203	MLF		100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	4,406.09	1,070.63
	27 14 13 16-0204	MLF		200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	7,363.56	1,376.52
	27 14 13 16-0205	MLF		300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	10,728.03	1,988.31
	27 14 13 16-0206	MLF		400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	14,097.44	2,600.10
	27 14 13 16-0207	MLF		600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	19,225.37	3,517.78
	27 14 13 16-0208	MLF		900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	31,565.96	7,035.57
	27 14 13 16-0209	MLF		1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	46,123.64	10,400.40
27 14 13 16-0210				24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0197)</small>		
	27 14 13 16-0211	MLF		6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,730.14	
	27 14 13 16-0212	MLF		12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,893.74	
	27 14 13 16-0213	MLF		25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,223.81	
	27 14 13 16-0214	MLF		50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,818.20	
	27 14 13 16-0215	MLF		100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	4,023.71	
	27 14 13 16-0216	MLF		200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	7,108.65	
	27 14 13 16-0217	MLF		300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,963.30	
	27 14 13 16-0218	MLF		400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	12,504.24	
	27 14 13 16-0219	MLF		600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	16,421.34	
	27 14 13 16-0220	MLF		900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	23,918.61	
	27 14 13 16-0221	MLF		1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	34,907.51	
27 14 13 16-0222				22 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 14 13 16-0196)</small>		
27 14 13 16-0223				22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0222)</small>		
	27 14 13 16-0224	MLF		6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,207.10	1,070.63
	27 14 13 16-0225	MLF		12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,447.51	1,070.63
	27 14 13 16-0226	MLF		25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,959.13	1,070.63
	27 14 13 16-0227	MLF		50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	3,900.31	1,070.63
	27 14 13 16-0228	MLF		100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	5,864.43	1,070.63
	27 14 13 16-0229	MLF		200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	10,170.09	1,376.52
	27 14 13 16-0230	MLF		300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	14,870.82	1,988.31
	27 14 13 16-0231	MLF		400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	19,108.06	2,600.10
	27 14 13 16-0232	MLF		600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	26,567.08	3,517.78
	27 14 13 16-0233	MLF		900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	43,453.90	7,035.57
27 14 13 16-0234				22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0222)</small>		
	27 14 13 16-0235	MLF		6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,824.72	
	27 14 13 16-0236	MLF		12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,065.13	
	27 14 13 16-0237	MLF		25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,576.75	
	27 14 13 16-0238	MLF		50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,517.93	
	27 14 13 16-0239	MLF		100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,482.05	
	27 14 13 16-0240	MLF		200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,915.18	
	27 14 13 16-0241	MLF		300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,106.09	
	27 14 13 16-0242	MLF		400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	17,514.86	
	27 14 13 16-0243	MLF		600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	23,763.05	
	27 14 13 16-0244	MLF		900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	35,806.55	
27 14 13 16-0245				19 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 14 13 16-0196)</small>		
27 14 13 16-0246				19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0245)</small>		
	27 14 13 16-0247	MLF		25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	4,092.46	1,070.63
	27 14 13 16-0248	MLF		50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	6,001.30	1,070.63
	27 14 13 16-0249	MLF		100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	9,959.56	1,070.63
27 14 13 16-0250				19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0245)</small>		
	27 14 13 16-0251	MLF		25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,710.08	

27 Communications
27 10 Structured Cabling
27 14 Communications Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0252	MLF		50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,618.92	
27 14 13 16-0253	MLF		100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,577.18	
27 14 13 16-0254			(Aerial) Outdoor Telecommunications Cable (27 14 13 16-0129) Note: Includes support wire.		
27 14 13 16-0255			24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 14 13 16-0254)		
27 14 13 16-0256	MLF		6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,062.43	2,041.99
27 14 13 16-0257	MLF		12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,198.56	2,041.99
27 14 13 16-0258	MLF		25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,536.54	2,041.99
27 14 13 16-0259	MLF		50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,162.30	2,041.99
27 14 13 16-0260	MLF		100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,370.96	2,041.99
27 14 13 16-0261	MLF		200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,277.19	2,246.19
27 14 13 16-0262	MLF		300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	14,198.37	2,450.40
27 14 13 16-0263			22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 14 13 16-0254)		
27 14 13 16-0264	MLF		6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,225.29	2,041.99
27 14 13 16-0265	MLF		12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,426.42	2,041.99
27 14 13 16-0266	MLF		25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,910.84	2,041.99
27 14 13 16-0267	MLF		50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,867.86	2,041.99
27 14 13 16-0268	MLF		100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,336.31	2,041.99
27 14 13 16-0269	MLF		200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	14,521.57	2,246.19
27 14 13 16-0270			19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 14 13 16-0254)		
27 14 13 16-0271	MLF		6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,440.61	2,041.99
27 14 13 16-0272	MLF		12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,895.44	2,041.99
27 14 13 16-0273	MLF		25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,789.71	2,041.99
27 14 13 16-0274	MLF		50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,578.26	2,041.99
27 14 13 16-0275	MLF		100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,534.32	2,041.99
27 14 13 16-0276			Solid Conductor Low Voltage Cable (27 14 13 16)		
27 14 13 16-0277			Shielded, Low Voltage Cable, Installed In Conduit (27 14 13 16-0276)		
27 14 13 16-0278			#12 AWG, Shielded, Low Voltage Cable, Installed In Conduit (27 14 13 16-0277)		
27 14 13 16-0279	MLF		1 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,407.24	1,153.55
			For #10 AWG, Add	544.43	
			For Work In Restricted Working Space, Add	576.82	
27 14 13 16-0280	MLF		2 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,885.21	1,194.33
			For #10 AWG, Add	693.27	
			For Work In Restricted Working Space, Add	597.34	
27 14 13 16-0281	MLF		3 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,305.50	1,236.28
			For #10 AWG, Add	823.03	
			For Work In Restricted Working Space, Add	617.96	
27 14 13 16-0282	MLF		4 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,750.32	1,278.23
			For #10 AWG, Add	960.57	
			For Work In Restricted Working Space, Add	639.31	
27 14 13 16-0283	MLF		5 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	4,245.59	1,364.45
			For #10 AWG, Add	1,105.33	
			For Work In Restricted Working Space, Add	682.43	
27 14 13 16-0284	MLF		6 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	4,699.06	1,449.51
			For #10 AWG, Add	1,236.55	
			For Work In Restricted Working Space, Add	724.94	
27 14 13 16-0285	MLF		8 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	5,106.45	1,621.96
			For #10 AWG, Add	1,333.77	
			For Work In Restricted Working Space, Add	810.83	
27 14 13 16-0286	MLF		12 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	6,767.80	2,138.14
			For #10 AWG, Add	1,770.20	
			For Work In Restricted Working Space, Add	1,068.86	
27 14 13 16-0287	MLF		24 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	10,068.83	3,157.70
			For #10 AWG, Add	2,638.72	
			For Work In Restricted Working Space, Add	1,578.44	
27 14 13 16-0288			#14 AWG, Shielded, Low Voltage Cable, Installed In Conduit (27 14 13 16-0277)		
27 14 13 16-0289	MLF		1 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,144.32	1,009.07
			For Work In Restricted Working Space, Add	504.42	
27 14 13 16-0290	MLF		2 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,596.23	1,045.19
			For Work In Restricted Working Space, Add	522.59	
27 14 13 16-0291	MLF		3 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,992.72	1,081.31
			For Work In Restricted Working Space, Add	540.77	
27 14 13 16-0292	MLF		4 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,411.51	1,118.59
			For Work In Restricted Working Space, Add	559.30	
27 14 13 16-0293	MLF		5 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,873.24	1,194.33
			For Work In Restricted Working Space, Add	597.05	
27 14 13 16-0294	MLF		6 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	4,294.60	1,268.90
			For Work In Restricted Working Space, Add	634.10	
27 14 13 16-0295	MLF		8 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	4,661.99	1,419.21
			For Work In Restricted Working Space, Add	709.61	
27 14 13 16-0296	MLF		12 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	6,179.09	1,870.14
			For Work In Restricted Working Space, Add	935.07	

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

27 14 13 16-0297	MLF	24	Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	9,198.16 1,381.46	2,762.69
27 14 13 16-0298 #16 AWG, Shielded, Low Voltage Cable, Installed In Conduit <small>(27 14 13 16-0277)</small>					
27 14 13 16-0299	MLF	1	Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	1,909.59 450.58	900.69
27 14 13 16-0300	MLF	2	Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	2,209.68 466.66	933.33
27 14 13 16-0301	MLF	3	Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	2,657.19 482.74	965.95
27 14 13 16-0302	MLF	4	Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	3,027.53 499.52	998.58
27 14 13 16-0303	MLF	5	Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	3,435.17 533.08	1,066.16
27 14 13 16-0304	MLF	6	Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	3,808.15 566.29	1,132.57
27 14 13 16-0305	MLF	7	Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	3,970.96 599.84	1,200.16
27 14 13 16-0306	MLF	8	Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	4,134.92 633.75	1,267.74
27 14 13 16-0307	MLF	9	Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	4,606.00 673.95	1,348.13
27 14 13 16-0308	MLF	12	Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	5,479.64 834.92	1,669.73
27 14 13 16-0309	MLF	24	Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	8,156.26 1,233.42	2,466.73
27 14 13 16-0310 #18 AWG, Shielded, Low Voltage Cable, Installed In Conduit <small>(27 14 13 16-0277)</small>					
27 14 13 16-0311	MLF	1	Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	1,609.18 396.40	793.51
27 14 13 16-0312	MLF	2	Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	1,900.27 410.73	821.46
27 14 13 16-0313	MLF	3	Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	2,156.90 425.06	849.43
27 14 13 16-0314	MLF	4	Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	2,426.68 439.40	878.56
27 14 13 16-0315	MLF	5	Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	2,734.57 469.11	937.99
27 14 13 16-0316	MLF	6	Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	3,017.65 498.47	996.24
27 14 13 16-0317	MLF	8	Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	3,286.52 557.55	1,115.09
27 14 13 16-0318	MLF	12	Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	4,353.26 734.77	1,469.32
27 14 13 16-0319	MLF	24	Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	6,473.98 1,085.38	2,170.77
27 14 13 16-0320 #20 AWG, Shielded, Low Voltage Cable, Installed In Conduit <small>(27 14 13 16-0277)</small>					
27 14 13 16-0321	MLF	1	Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	1,422.52 360.40	721.26
27 14 13 16-0322	MLF	2	Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	1,653.83 373.33	746.90
27 14 13 16-0323	MLF	3	Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	1,856.23 386.26	773.11
27 14 13 16-0324	MLF	4	Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	2,069.09 399.55	799.33
27 14 13 16-0325	MLF	5	Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	2,320.75 426.29	852.93
27 14 13 16-0326	MLF	6	Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	2,552.21 453.03	906.52
27 14 13 16-0327	MLF	8	Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	2,802.91 506.86	1,013.72
27 14 13 16-0328	MLF	12	Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	3,689.91 668.01	1,336.48
27 14 13 16-0329	MLF	24	Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	5,484.17 986.81	1,973.85
27 14 13 16-0330	MLF	25	Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	5,809.92 1,010.23	2,020.46
27 14 13 16-0331	MLF	36	Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	6,913.83 1,176.27	2,352.54
27 14 13 16-0332	MLF	40	Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	7,417.00 1,259.11	2,518.00
27 14 13 16-0333	MLF	50	Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	8,891.09 1,573.36	3,147.21
27 14 13 16-0334	MLF	100	Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	12,065.15 2,071.48	4,143.45
27 14 13 16-0335 #22 AWG, Shielded, Low Voltage Cable, Installed In Conduit <small>(27 14 13 16-0277)</small>					
27 14 13 16-0336	MLF	1	Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	1,197.03 324.39	649.01
27 14 13 16-0337	MLF	2	Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Work In Restricted Working Space, Add</i>	1,278.11 335.93	672.32

27 Communications
27 10 Structured Cabling
27 14 Communications Cabling

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0338 MLF 3 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Work In Restricted Working Space, Add</i>	1,376.61 347.81	695.62
27 14 13 16-0339 MLF 4 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Work In Restricted Working Space, Add</i>	1,483.20 359.70	718.93
27 14 13 16-0340 MLF 5 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Work In Restricted Working Space, Add</i>	1,643.99 383.82	767.86
27 14 13 16-0341 MLF 6 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Work In Restricted Working Space, Add</i>	1,806.07 406.89	813.31
27 14 13 16-0342 Triad <small>(27 14 13 16-0277)</small>		
27 14 13 16-0343 MLF 1 Triad #16 AWG, Stranded, Low Voltage, Placed In Conduit.....	2,079.26	965.95
27 14 13 16-0344 MLF 4 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	2,792.04	1,336.48
27 14 13 16-0345 MLF 8 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	4,241.51	1,973.85
27 14 13 16-0346 MLF 12 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	5,170.61	2,352.54
27 14 13 16-0347 MLF 24 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	8,246.27	3,644.75
27 14 13 16-0348 MLF 36 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	9,434.08	4,143.45
27 14 13 16-0349 Shielded, Low Voltage Cable, Direct Burial <small>(27 14 13 16-0276)</small> Note: Excludes excavation.		
27 14 13 16-0350 MLF 1 Pair, #14 AWG, Solid, Low Voltage, Alarm And Communications Cable, Direct Burial	1,901.33	
27 14 13 16-0351 MLF 2 Pair, #14 AWG, Solid, Low Voltage, Alarm And Communications Cable, Direct Burial	2,343.14	
27 14 13 16-0352 MLF 3 Pair, #14 AWG, Solid, Low Voltage, Alarm And Communications Cable, Direct Burial	2,730.83	
27 14 13 16-0353 MLF 4 Pair, #14 AWG, Solid, Low Voltage, Alarm And Communications Cable, Direct Burial	3,141.40	
27 14 13 16-0354 MLF 5 Pair, #14 AWG, Solid, Low Voltage, Alarm And Communications Cable, Direct Burial	3,584.46	
27 14 13 16-0355 MLF 6 Pair, #14 AWG, Solid, Low Voltage, Alarm And Communications Cable, Direct Burial	3,988.57	
27 14 13 16-0356 Shielded, Low Voltage Cable, Installed On Poles (Aerial) <small>(27 14 13 16-0276)</small>		
27 14 13 16-0357 MLF 1 Pair, #14 AWG, Solid, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,000.12	595.63
27 14 13 16-0358 MLF 2 Pair, #14 AWG, Solid, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,501.25	638.13
27 14 13 16-0359 MLF 3 Pair, #14 AWG, Solid, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,272.13	806.71
27 14 13 16-0360 MLF 4 Pair, #14 AWG, Solid, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,955.32	933.06
27 14 13 16-0361 MLF 5 Pair, #14 AWG, Solid, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	5,749.68	1,063.49
27 14 13 16-0362 MLF 6 Pair, #14 AWG, Solid, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	6,986.86	1,358.69
27 14 13 16-0363 Non-Shielded Low Voltage Cable, Installed In Conduit <small>(27 14 13 16-0276)</small>		
27 14 13 16-0364 #14 AWG, Non-Shielded, Low Voltage Cable, Installed In Conduit <small>(27 14 13 16-0363)</small>		
27 14 13 16-0365 MLF 1 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	1,968.21 504.41	1,009.07
27 14 13 16-0366 MLF 2 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	2,271.28 522.59	1,045.19
27 14 13 16-0367 MLF 3 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	2,539.99 540.77	1,081.31
27 14 13 16-0368 MLF 4 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	2,822.97 559.30	1,118.59
27 14 13 16-0369 MLF 5 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	3,154.60 596.35	1,193.16
27 14 13 16-0370 MLF 6 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	3,463.83 633.75	1,267.74
27 14 13 16-0371 MLF 8 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	3,788.36 709.61	1,419.21
27 14 13 16-0372 MLF 12 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	5,014.25 935.07	1,870.14
27 14 13 16-0373 MLF 24 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	7,450.90 1,381.46	2,762.69
27 14 13 16-0374 #16 AWG, Non-Shielded, Low Voltage Cable, Installed In Conduit <small>(27 14 13 16-0363)</small>		
27 14 13 16-0375 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	1,754.52 450.58	900.69
27 14 13 16-0376 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	2,021.65 466.66	933.33
27 14 13 16-0377 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	2,258.52 482.74	965.95
27 14 13 16-0378 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	2,509.26 499.52	998.58
27 14 13 16-0379 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	2,803.22 532.73	1,064.99
27 14 13 16-0380 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	3,077.59 566.29	1,132.57
27 14 13 16-0381 MLF 7 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	3,221.02 599.84	1,200.16
27 14 13 16-0382 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	3,446.61 633.75	1,267.74
27 14 13 16-0383 MLF 9 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	3,802.84 673.91	1,348.13
27 14 13 16-0384 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	4,453.89 834.92	1,669.73
27 14 13 16-0385 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Work In Restricted Working Space, Add</i>	6,618.19 1,233.59	2,466.73
27 14 13 16-0386 #18 AWG, Non-Shielded, Low Voltage Cable, Installed In Conduit <small>(27 14 13 16-0363)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0387 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	1,532.15 396.40	792.33
27 14 13 16-0388 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	1,747.11 410.73	821.46
27 14 13 16-0389 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	1,882.10 425.06	850.59
27 14 13 16-0390 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	2,060.73 439.40	878.56
27 14 13 16-0391 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	2,276.08 469.11	937.99
27 14 13 16-0392 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	2,490.26 498.47	997.41
27 14 13 16-0393 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	2,992.49 557.55	1,115.09
27 14 13 16-0394 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	3,887.68 734.77	1,469.32
27 14 13 16-0395 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	5,189.03 1,085.38	2,170.77
27 14 13 16-0396 #20 AWG, Non-Shielded, Low Voltage Cable, Installed In Conduit <small>(27 14 13 16-0363)</small>		
27 14 13 16-0397 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	1,350.12 360.40	721.26
27 14 13 16-0398 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	1,498.10 373.33	746.90
27 14 13 16-0399 MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	1,769.24 425.06	850.59
27 14 13 16-0400 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	1,947.09 447.09	894.17
27 14 13 16-0401 MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	2,121.21 469.11	937.99
27 14 13 16-0402 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	2,307.28 498.47	997.41
27 14 13 16-0403 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	2,540.19 555.10	1,109.96
27 14 13 16-0404 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	3,133.31 668.01	1,336.48
27 14 13 16-0405 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	4,649.27 986.81	1,973.85
27 14 13 16-0406 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	4,880.81 1,010.23	2,020.46
27 14 13 16-0407 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	5,775.34 1,176.27	2,352.54
27 14 13 16-0408 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	6,192.14 1,259.11	2,518.00
27 14 13 16-0409 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	7,503.96 1,573.36	3,147.21
27 14 13 16-0410 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	10,102.23 2,071.48	4,143.45
27 14 13 16-0411 #22 AWG, Non-Shielded, Low Voltage Cable, Installed In Conduit <small>(27 14 13 16-0363)</small>		
27 14 13 16-0412 MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	1,179.97 324.39	649.01
27 14 13 16-0413 MLF 2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	1,254.76 335.93	672.32
27 14 13 16-0414 MLF 3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	1,351.33 347.81	695.62
27 14 13 16-0415 MLF 4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	1,456.33 359.70	718.93
27 14 13 16-0416 MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	1,597.90 383.82	767.86
27 14 13 16-0417 MLF 6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Work In Restricted Working Space, Add</i>	1,749.21 406.89	813.31
27 14 13 16-0418 Shielded Plenum Rated, Low Voltage Cable, Installed In Conduit <small>(27 14 13 16-0276)</small>		
27 14 13 16-0419 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,646.09	900.69
27 14 13 16-0420 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,896.63	933.33
27 14 13 16-0421 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,078.48	965.95
27 14 13 16-0422 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,185.58	998.58
27 14 13 16-0423 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,544.39	1,064.99
27 14 13 16-0424 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,740.35	1,132.57
27 14 13 16-0425 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,340.43	1,267.74
27 14 13 16-0426 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,206.22	1,669.73
27 14 13 16-0427 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	6,346.14	2,466.73
27 14 13 16-0428 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,430.97	792.33
27 14 13 16-0429 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,637.69	821.46
27 14 13 16-0430 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,811.67	850.59
27 14 13 16-0431 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,906.51	878.56
27 14 13 16-0432 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,214.28	937.99
27 14 13 16-0433 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,452.86	997.41
27 14 13 16-0434 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,764.04	1,115.09
27 14 13 16-0435 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,588.54	1,469.32
27 14 13 16-0436 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	5,627.74	2,170.77
27 14 13 16-0437 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,276.36	721.26
27 14 13 16-0438 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,412.25	746.90

27 Communications
27 10 Structured Cabling
27 14 Communications Cabling

MINOR
 CSI UOM DESCRIPTION TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 14 13 16-0439	MLF	3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,544.43	772.53
27 14 13 16-0440	MLF	4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,634.04	799.33
27 14 13 16-0441	MLF	5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,769.09	852.93
27 14 13 16-0442	MLF	6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,916.59	906.52
27 14 13 16-0443	MLF	8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,145.92	1,013.72
27 14 13 16-0444	MLF	12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,922.53	1,336.48
27 14 13 16-0445	MLF	24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	4,407.10	1,973.85
27 14 13 16-0446	MLF	25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	4,611.22	2,020.46
27 14 13 16-0447	MLF	36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	5,411.33	2,352.54
27 14 13 16-0448	MLF	40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	5,836.87	2,518.00
27 14 13 16-0449	MLF	50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	7,101.62	3,147.21
27 14 13 16-0450	MLF	100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	9,532.88	4,143.45
27 14 13 16-0451	MLF	250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	18,155.20	7,632.06
27 14 13 16-0452	MLF	500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	26,611.72	10,099.96
27 14 13 16-0453	MLF	750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	35,155.91	12,727.48
27 14 13 16-0454	MLF	1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	49,230.86	17,458.19
27 14 13 16-0455	MLF	1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,249.32	721.26
27 14 13 16-0456	MLF	2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,351.78	746.90
27 14 13 16-0457	MLF	3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,451.87	772.53
27 14 13 16-0458	MLF	4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,525.14	799.33
27 14 13 16-0459	MLF	5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,643.87	852.93
27 14 13 16-0460	MLF	6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,770.12	906.52
27 14 13 16-0461	MLF	8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,981.47	1,013.72
27 14 13 16-0462	MLF	12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,671.81	1,336.48
27 14 13 16-0463	MLF	24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	4,004.36	1,973.85
27 14 13 16-0464	MLF	25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	4,163.05	2,020.46
27 14 13 16-0465	MLF	36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	4,895.91	2,352.54
27 14 13 16-0466	MLF	40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	5,246.00	2,518.00
27 14 13 16-0467	MLF	50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	6,432.47	3,147.21
27 14 13 16-0468	MLF	100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	8,585.98	4,143.45
27 14 13 16-0469	MLF	250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	16,151.30	7,632.06
27 14 13 16-0470	MLF	500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	23,073.80	10,099.96
27 14 13 16-0471	MLF	750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	30,112.99	12,727.48
27 14 13 16-0472	MLF	1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	41,950.48	17,458.19

27 14 13 16-0473 Non-Shielded Plenum Rated, Low Voltage Cable, Installed In Conduit (27 14 13 16-0276)

27 14 13 16-0474	MLF	1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,681.75	900.69
27 14 13 16-0475	MLF	2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,877.96	933.33
27 14 13 16-0476	MLF	3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,005.96	965.95
27 14 13 16-0477	MLF	4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,172.33	998.58
27 14 13 16-0478	MLF	5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,384.57	1,064.99
27 14 13 16-0479	MLF	6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,594.46	1,132.57
27 14 13 16-0480	MLF	8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,079.76	1,267.74
27 14 13 16-0481	MLF	12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,011.34	1,669.73
27 14 13 16-0482	MLF	24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	5,972.09	2,466.73
27 14 13 16-0483	MLF	1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,474.18	792.33
27 14 13 16-0484	MLF	2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,643.17	821.46
27 14 13 16-0485	MLF	3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,754.18	850.59
27 14 13 16-0486	MLF	4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,896.83	878.56
27 14 13 16-0487	MLF	5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,080.20	937.99
27 14 13 16-0488	MLF	6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,262.40	997.41
27 14 13 16-0489	MLF	8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,680.67	1,115.09
27 14 13 16-0490	MLF	12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,492.77	1,469.32
27 14 13 16-0491	MLF	24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	5,199.04	2,170.77
27 14 13 16-0492	MLF	1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,309.21	721.26
27 14 13 16-0493	MLF	2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,455.24	746.90
27 14 13 16-0494	MLF	3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,561.61	772.53
27 14 13 16-0495	MLF	4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,744.02	799.33
27 14 13 16-0496	MLF	5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,920.06	852.93
27 14 13 16-0497	MLF	6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,232.32	906.52
27 14 13 16-0498	MLF	8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,495.59	1,013.72
27 14 13 16-0499	MLF	12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,181.56	1,336.48
27 14 13 16-0500	MLF	24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,777.45	1,973.85
27 14 13 16-0501	MLF	25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	5,022.46	2,020.46
27 14 13 16-0502	MLF	36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	5,949.07	2,352.54
27 14 13 16-0503	MLF	40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	6,379.05	2,518.00
27 14 13 16-0504	MLF	50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	7,715.62	3,147.21
27 14 13 16-0505	MLF	100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	10,401.76	4,143.45
27 14 13 16-0506	MLF	250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	19,994.41	7,632.06
27 14 13 16-0507	MLF	500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	29,858.69	10,099.96
27 14 13 16-0508	MLF	750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	39,783.59	12,727.48
27 14 13 16-0509	MLF	1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	55,911.83	17,457.03
27 14 13 16-0510	MLF	1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,270.33	721.26
27 14 13 16-0511	MLF	2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,379.28	746.90
27 14 13 16-0512	MLF	3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,462.86	772.53
27 14 13 16-0513	MLF	4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,595.50	799.33
27 14 13 16-0514	MLF	5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,740.44	852.93
27 14 13 16-0515	MLF	6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,972.09	906.52
27 14 13 16-0516	MLF	8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,205.16	1,013.72
27 14 13 16-0517	MLF	12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,837.50	1,336.48
27 14 13 16-0518	MLF	24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,241.26	1,973.85
27 14 13 16-0519	MLF	25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,426.11	2,020.46
27 14 13 16-0520	MLF	36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	5,218.27	2,352.54
27 14 13 16-0521	MLF	40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	5,592.82	2,518.00

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

27 14 13 16-0522	MLF 50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	6,825.23	3,147.21
27 14 13 16-0523	MLF 100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	9,141.78	4,143.45
27 14 13 16-0524	MLF 250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	17,327.70	7,632.06
27 14 13 16-0525	MLF 500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	25,150.82	10,099.96
27 14 13 16-0526	MLF 750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	33,073.50	12,727.48
27 14 13 16-0527	MLF 1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	46,224.79	17,458.19

27 14 13 16-0528

Sound System Cables (27 14 13 16)

Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.

27 14 13 16-0529

Speaker/Communications And Control Cable, Installed Exposed (27 14 13 16-0528)

27 14 13 16-0530

Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed (27 14 13 16-0529)

27 14 13 16-0531	MLF 2/c #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,822.37	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	
27 14 13 16-0532	MLF 2/c #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,757.92	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	
27 14 13 16-0533	MLF 2/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,708.21	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	
27 14 13 16-0534	MLF 4/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,762.57	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	
27 14 13 16-0535	MLF 4/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,937.31	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	
27 14 13 16-0536	MLF 6/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,111.47	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	
27 14 13 16-0537	MLF 4/c #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,938.05	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	
27 14 13 16-0538	MLF 4/c #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,854.14	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	

27 14 13 16-0539

Plenum Rated Speaker/Communications And Control Cable, Installed Exposed (27 14 13 16-0529)

27 14 13 16-0540	MLF 2/c #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,849.00	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	
27 14 13 16-0541	MLF 2/c #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,774.86	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	
27 14 13 16-0542	MLF 2/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,732.89	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	
27 14 13 16-0543	MLF 4/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,802.92	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	
27 14 13 16-0544	MLF 8/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,950.87	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	
27 14 13 16-0545	MLF 2/c #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,934.54	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	
27 14 13 16-0546	MLF 2/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,831.99	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	
27 14 13 16-0547	MLF 4/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,006.32	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	
27 14 13 16-0548	MLF 6/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,180.17	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	
27 14 13 16-0549	MLF 2/c #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,753.93	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	
27 14 13 16-0550	MLF 2/c #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,788.57	815.64
	<i>For Work In Restricted Working Space, Add</i>	<i>489.38</i>	

27 14 13 16-0551

Speaker/Communications And Control Cable, Installed In Conduit (27 14 13 16-0528)

27 14 13 16-0552

Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit (27 14 13 16-0551)

27 14 13 16-0553	MLF 2/c #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,006.73	407.82
27 14 13 16-0554	MLF 2/c #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	942.28	407.82
27 14 13 16-0555	MLF 2/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	892.57	407.82

27 Communications**27 10 Structured Cabling****27 14 Communications Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0556	MLF		4/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	946.93	407.82
27 14 13 16-0557	MLF		4/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,121.67	407.82
27 14 13 16-0558	MLF		6/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,295.83	407.82
27 14 13 16-0559	MLF		4/c #20AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	1,122.41	407.82
27 14 13 16-0560	MLF		4/c #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	1,038.50	407.82
27 14 13 16-0561			Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit (27 14 13 16-0551)		
27 14 13 16-0562	MLF		2/c #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,033.36	407.82
27 14 13 16-0563	MLF		2/c #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	959.22	407.82
27 14 13 16-0564	MLF		2/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	917.25	407.82
27 14 13 16-0565	MLF		4/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	987.28	407.82
27 14 13 16-0566	MLF		8/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,135.23	407.82
27 14 13 16-0567	MLF		2/c #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,118.90	407.82
27 14 13 16-0568	MLF		2/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,016.35	407.82
27 14 13 16-0569	MLF		4/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,190.68	407.82
27 14 13 16-0570	MLF		6/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,364.53	407.82
27 14 13 16-0571	MLF		2/c #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	972.93	407.82
27 14 13 16-0572	MLF		2/c #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	938.29	407.82
27 14 23			Communications Optical Fiber Cabling (27 14)		
27 14 23 13			Communications Optical Fiber Splicing And Terminations (27 14 23)		
27 14 23 13-0001			Fiber Optic Cable Splice Closures (27 14 23 13)		
			Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 14 23 13-0002	EA		Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	661.86	127.46
27 14 23 13-0003	EA		Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	916.77	254.91
27 14 23 13-0004	EA		Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	916.77	254.91
27 14 23 13-0005	EA		Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	1,030.07	127.46
27 14 23 13-0006	EA		Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	1,284.98	254.91
27 14 23 13-0007	EA		Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,284.98	254.91
27 14 23 13-0008	EA		Splice Tray For Fiber Optic Cable Splice Closure.....	52.38	15.93
			Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
27 14 23 13-0009			Fiber Optic Cable Splicing (27 14 23 13)		
27 14 23 13-0010	EA		Single Strand, Fusion Splice Of Fiber Optic Cable.....	38.24	
27 14 23 13-0011	EA		12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	127.46	
27 14 23 13-0012			Fiber Optic Cable Testing (27 14 23 13)		
			Note: Price based on testing one wavelength. Includes all connections, terminations and other requirements to perform a test.		
27 14 23 13-0013			Fiber Optic Cable Testing Using An OTDR (27 14 23 13-0012)		
			Note: Testing using an optical time domain reflectometer.		
27 14 23 13-0014	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test.....	25.49	
			For >12 To 48 Strands, Deduct.....	-1.91	
			For >48 Strands, Deduct.....	-2.55	
27 14 23 13-0015	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test.....	38.24	
			For >12 To 48 Strands, Deduct.....	-2.87	
			For >48 Strands, Deduct.....	-3.82	
27 14 23 13-0016	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation.....	63.73	
			For >12 To 48 Strands, Deduct.....	-4.78	
			For >48 Strands, Deduct.....	-6.37	
27 14 23 13-0017	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation.....	95.59	
			For >12 To 48 Strands, Deduct.....	-7.17	
			For >48 Strands, Deduct.....	-9.56	
27 14 23 13-0018			Fiber Optic Cable Testing Using A Power Meter (27 14 23 13-0012)		
27 14 23 13-0019	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test.....	25.49	
			For >12 To 48 Strands, Deduct.....	-1.91	
			For >48 Strands, Deduct.....	-2.55	
27 14 23 13-0020	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test.....	38.24	
			For >12 To 48 Strands, Deduct.....	-2.87	
			For >48 Strands, Deduct.....	-3.82	

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

27 14 23 13-0021		Fiber Optic Cable Light Source/Continuity Testing <small>(27 14 23 13-0012)</small>		
27 14 23 13-0022	EA	Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test.....	25.49	
		<i>For >12 To 48 Strands, Deduct</i>	-1.91	
		<i>For >48 Strands, Deduct</i>	-2.55	
27 14 23 13-0023		Other Fiber Optic Cable Splicing <small>(27 14 23 13)</small>		
27 14 23 13-0024	EA	Fiber Optic Finger Splice	39.84	23.96
27 14 23 13-0025	EA	Fiber Optic Splice Box - Manholes.....	4,635.88	
27 14 23 13-0026		Fiber Optic Cable Fan Out Kits <small>(27 14 23 13)</small>		
27 14 23 13-0027		Buffer Tube Fan Out Kits For Fiber Optic Cable <small>(27 14 23 13-0026)</small>		
27 14 23 13-0028	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	269.42	
27 14 23 13-0029	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	272.19	
27 14 23 13-0030	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	295.60	
27 14 23 13-0031	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	313.15	
27 14 23 13-0032		Spider Fan Out Kits For Fiber Optic Cable <small>(27 14 23 13-0026)</small>		
		Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 14 23 13-0033	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	303.56	
27 14 23 13-0034	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	322.16	
27 14 23 13-0035	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	473.95	
27 14 23 13-0036	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	620.00	
27 14 23 16		Communications Optical Fiber Cabling <small>(27 14 23)</small>		
		Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 14 23 16-0001		Indoor Fiber Optic Cable <small>(27 14 23 16)</small>		
		Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 14 23 16-0002		Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0001)</small>		
		Note: Excludes conduit or innerduct.		
27 14 23 16-0003		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0002)</small>		
27 14 23 16-0004		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0003)</small>		
27 14 23 16-0005		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0004)</small>		
27 14 23 16-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,057.98	458.84
27 14 23 16-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,146.36	458.84
27 14 23 16-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,175.87	458.84
27 14 23 16-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,280.95	458.84
		<i>For Aluminum Armored Cable, Add</i>	863.33	
		<i>For Steel Armored Cable, Add</i>	3,158.04	
27 14 23 16-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,311.08	458.84
27 14 23 16-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,493.21	458.84
		<i>For Aluminum Armored Cable, Add</i>	921.40	
		<i>For Steel Armored Cable, Add</i>	3,462.32	
27 14 23 16-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,502.19	535.32
27 14 23 16-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,475.07	535.32
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	818.03	
		<i>For Steel Armored Cable, Add</i>	5,948.34	
27 14 23 16-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,214.46	535.32
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	742.31	
		<i>For Steel Armored Cable, Add</i>	6,196.12	
27 14 23 16-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,357.86	535.32
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	782.84	
		<i>For Steel Armored Cable, Add</i>	6,478.28	
27 14 23 16-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,262.19	535.32
27 14 23 16-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,502.68	535.32
27 14 23 16-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,767.65	535.32
27 14 23 16-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,069.64	611.79
27 14 23 16-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,794.64	611.79
27 14 23 16-0021		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0004)</small>		
27 14 23 16-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,083.43	458.84
27 14 23 16-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,116.73	458.84
27 14 23 16-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,325.73	458.84
27 14 23 16-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,545.73	458.84
		<i>For Aluminum Armored Cable, Add</i>	1,024.50	
		<i>For Steel Armored Cable, Add</i>	1,300.82	

27 Communications**27 10 Structured Cabling****27 14 Communications Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0026	MLF		8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,754.73	458.84
27 14 23 16-0027	MLF		12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,183.73	458.84
			<i>For Aluminum Armored Cable, Add</i>	1,134.00	
			<i>For Steel Armored Cable, Add</i>	1,494.04	
27 14 23 16-0028	MLF		18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,421.19	535.32
27 14 23 16-0029	MLF		24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,972.19	535.32
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	879.16	
			<i>For Steel Armored Cable, Add</i>	879.16	
27 14 23 16-0030	MLF		36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,512.19	535.32
27 14 23 16-0031	MLF		48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,052.19	535.32
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,599.05	
27 14 23 16-0032	MLF		60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,592.19	535.32
27 14 23 16-0033	MLF		72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,132.19	535.32
27 14 23 16-0034	MLF		96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,223.19	535.32
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	6,241.50	
27 14 23 16-0035	MLF		120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,430.64	611.79
27 14 23 16-0036	MLF		144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,510.64	611.79
27 14 23 16-0037			62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0004)</small>		
27 14 23 16-0038	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,099.36	458.84
27 14 23 16-0039	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,134.33	458.84
27 14 23 16-0040	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,353.78	458.84
27 14 23 16-0041	MLF		6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,584.78	458.84
27 14 23 16-0042	MLF		8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,804.23	458.84
27 14 23 16-0043	MLF		12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,254.68	458.84
27 14 23 16-0044	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,497.64	535.32
27 14 23 16-0045	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,126.19	535.32
27 14 23 16-0046	MLF		36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,743.19	535.32
27 14 23 16-0047	MLF		48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,360.19	535.32
27 14 23 16-0048	MLF		60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,977.19	535.32
27 14 23 16-0049	MLF		72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,594.19	535.32
27 14 23 16-0050	MLF		96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,839.74	535.32
27 14 23 16-0051	MLF		120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,201.19	611.79
27 14 23 16-0052	MLF		144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	20,435.19	611.79
27 14 23 16-0053			Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0003)</small>		
27 14 23 16-0054			Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0053)</small>		
27 14 23 16-0055	MLF		2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,877.09	458.84
27 14 23 16-0056	MLF		4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,206.69	458.84
27 14 23 16-0057	MLF		6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,931.80	458.84
27 14 23 16-0058	MLF		8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,277.85	458.84
27 14 23 16-0059	MLF		12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,635.36	458.84
27 14 23 16-0060	MLF		18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,959.67	535.32
27 14 23 16-0061	MLF		24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,478.54	535.32
27 14 23 16-0062	MLF		36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,491.54	535.32
27 14 23 16-0063	MLF		48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,839.90	535.32
27 14 23 16-0064			50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0053)</small>		
27 14 23 16-0065	MLF		2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,956.35	458.84
27 14 23 16-0066	MLF		4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,332.07	458.84
27 14 23 16-0067	MLF		6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,951.53	458.84
27 14 23 16-0068	MLF		8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,872.23	458.84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0069 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,413.20	458.84
27 14 23 16-0070 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,650.79	535.32
27 14 23 16-0071 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,309.63	535.32
27 14 23 16-0072 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,973.99	535.32
27 14 23 16-0073 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,024.19	535.32
27 14 23 16-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0053)</small>		
27 14 23 16-0075 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,015.93	458.84
27 14 23 16-0076 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,410.43	458.84
27 14 23 16-0077 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,060.87	458.84
27 14 23 16-0078 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,027.61	458.84
27 14 23 16-0079 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,595.62	458.84
27 14 23 16-0080 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,888.72	535.32
27 14 23 16-0081 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,630.50	535.32
27 14 23 16-0082 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,328.08	535.32
27 14 23 16-0083 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,580.79	535.32
27 14 23 16-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0002)</small>		
27 14 23 16-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0084)</small>		
27 14 23 16-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0085)</small>		
27 14 23 16-0087 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,042.63	458.84
27 14 23 16-0088 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,046.83	458.84
27 14 23 16-0089 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,266.98	458.84
27 14 23 16-0090 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,292.74	458.84
<i>For Aluminum Armored Cable, Add</i>	<i>988.85</i>	
<i>For Steel Armored Cable, Add</i>	<i>3,539.79</i>	
27 14 23 16-0091 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,422.42	458.84
27 14 23 16-0092 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,446.68	458.84
<i>For Aluminum Armored Cable, Add</i>	<i>1,046.17</i>	
<i>For Steel Armored Cable, Add</i>	<i>3,772.00</i>	
27 14 23 16-0093 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,115.39	535.32
27 14 23 16-0094 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,949.09	535.32
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>370.52</i>	
<i>For Steel Armored Cable, Add</i>	<i>3,400.82</i>	
27 14 23 16-0095 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,155.80	535.32
27 14 23 16-0096 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,311.24	535.32
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>481.25</i>	
<i>For Steel Armored Cable, Add</i>	<i>3,872.02</i>	
27 14 23 16-0097 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,576.24	535.32
27 14 23 16-0098 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,926.86	535.32
27 14 23 16-0099 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,733.72	535.32
27 14 23 16-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0085)</small>		
27 14 23 16-0101 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,081.72	458.84
27 14 23 16-0102 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,187.46	458.84
27 14 23 16-0103 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,446.43	458.84
27 14 23 16-0104 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,710.59	458.84
<i>For Aluminum Armored Cable, Add</i>	<i>862.26</i>	
<i>For Steel Armored Cable, Add</i>	<i>1,199.70</i>	
27 14 23 16-0105 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,963.71	458.84
27 14 23 16-0106 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,183.63	458.84
<i>For Aluminum Armored Cable, Add</i>	<i>1,111.10</i>	
<i>For Steel Armored Cable, Add</i>	<i>1,494.14</i>	
27 14 23 16-0107 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,743.95	535.32

27 Communications**27 10 Structured Cabling****27 14 Communications Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0108 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,622.35	535.32
For Aluminum Armored Cable With Sub-Units, Add	1,720.84	
For Steel Armored Cable, Add	1,720.84	
27 14 23 16-0109 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,487.43	535.32
27 14 23 16-0110 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,352.51	535.32
For Aluminum Armored Cable With Sub-Units, Add	1,820.18	
27 14 23 16-0111 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,217.59	535.32
27 14 23 16-0112 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,082.67	535.32
27 14 23 16-0113 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,826.15	535.32
For Aluminum Armored Cable With Sub-Units, Add	3,638.54	
27 14 23 16-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0085)		
27 14 23 16-0115 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,097.57	458.84
27 14 23 16-0116 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,208.60	458.84
27 14 23 16-0117 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,480.52	458.84
27 14 23 16-0118 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,757.89	458.84
27 14 23 16-0119 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,023.66	458.84
27 14 23 16-0120 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,254.57	458.84
27 14 23 16-0121 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,836.54	535.32
27 14 23 16-0122 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,808.86	535.32
27 14 23 16-0123 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,767.19	535.32
27 14 23 16-0124 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,725.53	535.32
27 14 23 16-0125 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,683.86	535.32
27 14 23 16-0126 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,642.19	535.32
27 14 23 16-0127 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,572.85	535.32
27 14 23 16-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0084)		
27 14 23 16-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)		
27 14 23 16-0130 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,885.09	458.84
27 14 23 16-0131 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,286.11	458.84
27 14 23 16-0132 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,250.16	458.84
27 14 23 16-0133 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,194.97	458.84
27 14 23 16-0134 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,702.86	458.84
27 14 23 16-0135 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,527.48	535.32
27 14 23 16-0136 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,679.82	535.32
27 14 23 16-0137 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,520.35	535.32
27 14 23 16-0138 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	20,579.82	535.32
27 14 23 16-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)		
27 14 23 16-0140 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,154.28	458.84
27 14 23 16-0141 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,852.10	458.84
27 14 23 16-0142 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,097.68	458.84
27 14 23 16-0143 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,732.50	458.84
27 14 23 16-0144 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,903.19	458.84
27 14 23 16-0145 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,125.19	535.32
27 14 23 16-0146 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,314.11	535.32
27 14 23 16-0147 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,706.04	535.32
27 14 23 16-0148 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,477.23	535.32

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

27 14 23 16-0149					
62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0128)</small>					
27 14 23 16-0150	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,273.76		458.84
27 14 23 16-0151	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,006.47		458.84
27 14 23 16-0152	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,314.33		458.84
27 14 23 16-0153	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,980.89		458.84
27 14 23 16-0154	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,160.12		458.84
27 14 23 16-0155	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,536.84		535.32
27 14 23 16-0156	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,735.21		535.32
27 14 23 16-0157	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,246.74		535.32
27 14 23 16-0158	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,356.48		535.32
27 14 23 16-0159		Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0001)</small>			
<small>Note: For non-conduit installations such as cable trays, surface runways, etc.</small>					
27 14 23 16-0160		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0159)</small>			
27 14 23 16-0161		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0160)</small>			
27 14 23 16-0162		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>			
27 14 23 16-0163	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,312.89		611.79
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0164	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,401.27		611.79
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0165	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,430.78		611.79
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0166	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,535.86		611.79
			<i>For Aluminum Armored Cable, Add</i>	863.33	
			<i>For Steel Armored Cable, Add</i>	3,158.04	
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0167	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,565.99		611.79
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0168	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,748.12		611.79
			<i>For Aluminum Armored Cable, Add</i>	921.40	
			<i>For Steel Armored Cable, Add</i>	3,462.32	
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0169	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,757.10		688.26
			<i>For Work In Restricted Working Space, Add</i>	344.13	
27 14 23 16-0170	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,729.98		688.26
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	818.03	
			<i>For Steel Armored Cable, Add</i>	5,948.34	
			<i>For Work In Restricted Working Space, Add</i>	344.13	
27 14 23 16-0171	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,469.37		688.26
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	742.31	
			<i>For Steel Armored Cable, Add</i>	6,196.12	
			<i>For Work In Restricted Working Space, Add</i>	344.13	
27 14 23 16-0172	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,612.77		688.26
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	782.84	
			<i>For Steel Armored Cable, Add</i>	6,478.28	
			<i>For Work In Restricted Working Space, Add</i>	344.13	
27 14 23 16-0173	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,517.10		688.26
			<i>For Work In Restricted Working Space, Add</i>	344.13	
27 14 23 16-0174	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,757.59		688.26
			<i>For Work In Restricted Working Space, Add</i>	344.13	
27 14 23 16-0175	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,022.56		688.26
			<i>For Work In Restricted Working Space, Add</i>	344.13	
27 14 23 16-0176	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,324.55		764.73
			<i>For Work In Restricted Working Space, Add</i>	382.37	
27 14 23 16-0177	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,049.55		764.73
			<i>For Work In Restricted Working Space, Add</i>	382.37	
27 14 23 16-0178		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>			
27 14 23 16-0179	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,338.34		611.79
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0180	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,371.64		611.79
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0181	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,580.64		611.79
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0182	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,800.64		611.79
			<i>For Aluminum Armored Cable, Add</i>	1,024.50	
			<i>For Steel Armored Cable, Add</i>	1,300.82	
			<i>For Work In Restricted Working Space, Add</i>	305.89	

27 Communications**27 10 Structured Cabling****27 14 Communications Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0183	MLF		8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,009.64 305.89	611.79
27 14 23 16-0184	MLF		12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,438.64 1,134.00 1,494.04 305.89	611.79
27 14 23 16-0185	MLF		18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,676.10 344.13	688.26
27 14 23 16-0186	MLF		24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,227.10 879.16 879.16 344.13	688.26
27 14 23 16-0187	MLF		36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,767.10 344.13	688.26
27 14 23 16-0188	MLF		48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,307.10 1,599.05 344.13	688.26
27 14 23 16-0189	MLF		60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,847.10 344.13	688.26
27 14 23 16-0190	MLF		72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed... <i>For Work In Restricted Working Space, Add</i>	10,387.10 344.13	688.26
27 14 23 16-0191	MLF		96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	13,478.10 6,241.50 344.13	688.26
27 14 23 16-0192	MLF		120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	16,685.55 382.37	764.73
27 14 23 16-0193	MLF		144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	19,765.55 382.37	764.73
27 14 23 16-0194			62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0161)		
27 14 23 16-0195	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,354.27 305.89	611.79
27 14 23 16-0196	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,389.24 305.89	611.79
27 14 23 16-0197	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,608.69 305.89	611.79
27 14 23 16-0198	MLF		6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,839.69 305.89	611.79
27 14 23 16-0199	MLF		8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,059.14 305.89	611.79
27 14 23 16-0200	MLF		12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,509.59 305.89	611.79
27 14 23 16-0201	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,752.55 344.13	688.26
27 14 23 16-0202	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,381.10 344.13	688.26
27 14 23 16-0203	MLF		36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,998.10 344.13	688.26
27 14 23 16-0204	MLF		48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,615.10 344.13	688.26
27 14 23 16-0205	MLF		60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,232.10 344.13	688.26
27 14 23 16-0206	MLF		72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	10,849.10 344.13	688.26
27 14 23 16-0207	MLF		96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	14,094.65 344.13	688.26
27 14 23 16-0208	MLF		120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	17,456.10 382.37	764.73
27 14 23 16-0209	MLF		144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	20,690.10 382.37	764.73
27 14 23 16-0210			Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0160)		
27 14 23 16-0211			Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0210)		
27 14 23 16-0212	MLF		2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,132.00 305.89	611.79

Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

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

27 14 23 16-0213	MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,461.60 305.89	611.79
27 14 23 16-0214	MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,186.71 305.89	611.79
27 14 23 16-0215	MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,532.76 305.89	611.79
27 14 23 16-0216	MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,890.27 305.89	611.79
27 14 23 16-0217	MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,214.58 344.13	688.26
27 14 23 16-0218	MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,733.45 344.13	688.26
27 14 23 16-0219	MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,746.45 344.13	688.26
27 14 23 16-0220	MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	13,094.81 344.13	688.26
27 14 23 16-0221	50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0222	MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,211.26 305.89	611.79
27 14 23 16-0223	MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,586.98 305.89	611.79
27 14 23 16-0224	MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,206.44 305.89	611.79
27 14 23 16-0225	MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,127.14 305.89	611.79
27 14 23 16-0226	MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,668.11 305.89	611.79
27 14 23 16-0227	MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,905.70 344.13	688.26
27 14 23 16-0228	MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,564.54 344.13	688.26
27 14 23 16-0229	MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,228.90 344.13	688.26
27 14 23 16-0230	MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	12,279.10 344.13	688.26
27 14 23 16-0231	62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0232	MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,270.84 305.89	611.79
27 14 23 16-0233	MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,665.34 305.89	611.79
27 14 23 16-0234	MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,315.78 305.89	611.79
27 14 23 16-0235	MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,282.52 305.89	611.79
27 14 23 16-0236	MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,850.53 305.89	611.79
27 14 23 16-0237	MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,143.63 344.13	688.26
27 14 23 16-0238	MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,885.41 344.13	688.26
27 14 23 16-0239	MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,582.99 344.13	688.26
27 14 23 16-0240	MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	12,835.70 344.13	688.26
27 14 23 16-0241	Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0159)</small>		
27 14 23 16-0242	Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0241)</small>		
27 14 23 16-0243	Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0244	MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,297.54 305.89	611.79
27 14 23 16-0245	MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,301.74 305.89	611.79
27 14 23 16-0246	MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,521.89 305.89	611.79
27 14 23 16-0247	MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	1,547.65 988.85 3,539.79	611.79
27 14 23 16-0248	MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,677.33 305.89	611.79

27 Communications

27 10 Structured Cabling

27 14 Communications Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0249	MLF		12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,701.59 1,046.17 3,772.00 305.89	611.79
27 14 23 16-0250	MLF		18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,370.30 344.13	688.26
27 14 23 16-0251	MLF		24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,204.00 370.52 3,400.82 344.13	688.26
27 14 23 16-0252	MLF		36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,410.71 344.13	688.26
27 14 23 16-0253	MLF		48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,566.15 481.25 3,872.02 344.13	688.26
27 14 23 16-0254	MLF		60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,831.15 344.13	688.26
27 14 23 16-0255	MLF		72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,181.77 344.13	688.26
27 14 23 16-0256	MLF		96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,988.63 344.13	688.26
27 14 23 16-0257			50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0258	MLF		1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,336.63 305.89	611.79
27 14 23 16-0259	MLF		2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,442.37 305.89	611.79
27 14 23 16-0260	MLF		4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,701.34 305.89	611.79
27 14 23 16-0261	MLF		6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,965.50 862.26 1,199.70 305.89	611.79
27 14 23 16-0262	MLF		8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,218.62 305.89	611.79
27 14 23 16-0263	MLF		12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,438.54 1,111.10 1,494.14 305.89	611.79
27 14 23 16-0264	MLF		18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,998.86 344.13	688.26
27 14 23 16-0265	MLF		24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,877.26 1,720.84 1,720.84 344.13	688.26
27 14 23 16-0266	MLF		36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,742.34 344.13	688.26
27 14 23 16-0267	MLF		48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,607.42 1,820.18 344.13	688.26
27 14 23 16-0268	MLF		60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	10,472.50 344.13	688.26
27 14 23 16-0269	MLF		72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i> <i>For Work In Restricted Working Space, Add</i>	12,337.58 344.13 344.13	688.26
27 14 23 16-0270	MLF		96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i> <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	16,081.06 344.13 3,638.54 344.13	688.26
27 14 23 16-0271			62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0272	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,352.48 305.89	611.79
27 14 23 16-0273	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,463.51 305.89	611.79
27 14 23 16-0274	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,735.43 305.89	611.79

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0275 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,012.80 305.89	611.79
27 14 23 16-0276 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,278.57 305.89	611.79
27 14 23 16-0277 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,509.48 305.89	611.79
27 14 23 16-0278 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,091.45 344.13	688.26
27 14 23 16-0279 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,063.77 344.13	688.26
27 14 23 16-0280 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,022.10 344.13	688.26
27 14 23 16-0281 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,980.44 344.13	688.26
27 14 23 16-0282 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,938.77 344.13	688.26
27 14 23 16-0283 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	12,897.10 344.13	688.26
27 14 23 16-0284 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,827.76 344.13	688.26
27 14 23 16-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0241)</small>		
27 14 23 16-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0287 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,140.00 305.89	611.79
27 14 23 16-0288 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,541.02 305.89	611.79
27 14 23 16-0289 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,505.07 305.89	611.79
27 14 23 16-0290 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,449.88 305.89	611.79
27 14 23 16-0291 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,957.77 305.89	611.79
27 14 23 16-0292 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,782.39 344.13	688.26
27 14 23 16-0293 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	13,934.73 344.13	688.26
27 14 23 16-0294 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,775.26 344.13	688.26
27 14 23 16-0295 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	20,834.73 344.13	688.26
27 14 23 16-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0297 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,409.19 305.89	611.79
27 14 23 16-0298 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,107.01 305.89	611.79
27 14 23 16-0299 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,352.59 305.89	611.79
27 14 23 16-0300 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,987.41 305.89	611.79
27 14 23 16-0301 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,158.10 305.89	611.79
27 14 23 16-0302 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,380.10 344.13	688.26
27 14 23 16-0303 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,569.02 344.13	688.26
27 14 23 16-0304 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,960.95 344.13	688.26
27 14 23 16-0305 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	18,732.14 344.13	688.26
27 14 23 16-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		

27 Communications**27 10 Structured Cabling****27 14 Communications Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0307	MLF		2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,528.67	611.79
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0308	MLF		4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,261.38	611.79
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0309	MLF		6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,569.24	611.79
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0310	MLF		8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,235.80	611.79
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0311	MLF		12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,415.03	611.79
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0312	MLF		18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,791.75	688.26
			<i>For Work In Restricted Working Space, Add</i>	344.13	
27 14 23 16-0313	MLF		24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,990.12	688.26
			<i>For Work In Restricted Working Space, Add</i>	344.13	
27 14 23 16-0314	MLF		36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,501.65	688.26
			<i>For Work In Restricted Working Space, Add</i>	344.13	
27 14 23 16-0315	MLF		48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	19,611.39	688.26
			<i>For Work In Restricted Working Space, Add</i>	344.13	
27 14 23 16-0316			Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0001) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0317			Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0316)		
27 14 23 16-0318	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,482.97	458.84
27 14 23 16-0319	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,454.37	458.84
27 14 23 16-0320	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	5,572.87	535.32
27 14 23 16-0321	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	8,729.68	535.32
27 14 23 16-0322			Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0316)		
27 14 23 16-0323	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,751.71	458.84
27 14 23 16-0324	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,492.18	458.84
27 14 23 16-0325	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	6,596.56	535.32
27 14 23 16-0326	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	11,309.22	535.32
27 14 23 16-0327			Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0001) Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0328			Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0327)		
27 14 23 16-0329	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,737.88	611.79
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0330	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,709.28	611.79
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0331	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	5,827.78	688.26
			<i>For Work In Restricted Working Space, Add</i>	344.13	
27 14 23 16-0332	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	8,984.59	688.26
			<i>For Work In Restricted Working Space, Add</i>	344.13	
27 14 23 16-0333			Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0327)		
27 14 23 16-0334	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,006.62	611.79
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0335	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,747.09	611.79
			<i>For Work In Restricted Working Space, Add</i>	305.89	
27 14 23 16-0336	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	6,851.47	688.26
			<i>For Work In Restricted Working Space, Add</i>	344.13	

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

27 14 23 16-0337	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,564.13 344.13	688.26
27 14 23 16-0338			Outdoor Fiber Optic Cable <small>(27 14 23 16)</small> Note: Cable buried in trench excludes excavation.		
27 14 23 16-0339			Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0338)</small> Note: Excludes conduit or innerduct.		
27 14 23 16-0340			Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0339)</small>		
27 14 23 16-0341			Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0342	MLF		2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,055.78 257.08	917.69
27 14 23 16-0343	MLF		4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,087.78 259.21	917.69
27 14 23 16-0344	MLF		6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,119.83 261.27	917.69
27 14 23 16-0345	MLF		8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,151.86 263.78	917.69
27 14 23 16-0346	MLF		12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,215.50 238.68	917.69
27 14 23 16-0347	MLF		18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,345.68 265.93	917.69
27 14 23 16-0348	MLF		24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,412.60 209.35	917.69
27 14 23 16-0349	MLF		36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,433.24 244.70	917.69
27 14 23 16-0350	MLF		48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,816.22 269.20	917.69
27 14 23 16-0351	MLF		60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,027.36 269.18	917.69
27 14 23 16-0352	MLF		72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,301.30 318.15	917.69
27 14 23 16-0353	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,783.56 305.45	917.69
27 14 23 16-0354	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,310.50 370.91	917.69
27 14 23 16-0355	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,862.00 248.28	917.69
27 14 23 16-0356			50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0357	MLF		2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,343.47 44.00	917.69
27 14 23 16-0358	MLF		4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,389.67 74.80	917.69
27 14 23 16-0359	MLF		6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,486.47 121.00	917.69
27 14 23 16-0360	MLF		8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,618.47 22.00	917.69
27 14 23 16-0361	MLF		12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,673.47 44.00	917.69
27 14 23 16-0362	MLF		18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,860.47 66.00	917.69
27 14 23 16-0363	MLF		24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,256.47 44.00	917.69
27 14 23 16-0364	MLF		36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,839.47 132.00	917.69
27 14 23 16-0365	MLF		48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,488.47 44.00	917.69
27 14 23 16-0366	MLF		60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,939.47 132.00	917.69
27 14 23 16-0367	MLF		72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,522.47 517.00	917.69
27 14 23 16-0368	MLF		96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,875.47 176.00	917.69
27 14 23 16-0369	MLF		120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,217.47 209.00	917.69
27 14 23 16-0370	MLF		144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,559.47 253.00	917.69
27 14 23 16-0371			62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0372	MLF		2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,833.70 109.94	917.69
27 14 23 16-0373	MLF		4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,939.40 117.90	917.69
27 14 23 16-0374	MLF		6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,044.93 125.66	917.69
27 14 23 16-0375	MLF		8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,175.31 143.06	917.69

27 Communications**27 10 Structured Cabling****27 14 Communications Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0376	MLF		12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,362.02 149.18	917.69
27 14 23 16-0377	MLF		18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,692.13 158.99	917.69
27 14 23 16-0378	MLF		24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,004.83 182.84	917.69
27 14 23 16-0379	MLF		36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,603.29 203.18	917.69
27 14 23 16-0380	MLF		48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,303.28 233.61	917.69
27 14 23 16-0381	MLF		60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,949.81 251.38	917.69
27 14 23 16-0382	MLF		72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,632.20 284.52	917.69
27 14 23 16-0383	MLF		96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,012.34 319.90	917.69
27 14 23 16-0384	MLF		120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,414.63 363.06	917.69
27 14 23 16-0385	MLF		144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,838.58 333.49	917.69
27 14 23 16-0386			Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0387			Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0388	MLF		2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,239.07 203.16	917.69
27 14 23 16-0389	MLF		4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,301.48 291.59	917.69
27 14 23 16-0390	MLF		6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,320.21 279.45	917.69
27 14 23 16-0391	MLF		8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,394.97 232.63	917.69
27 14 23 16-0392	MLF		12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,418.31 278.04	917.69
27 14 23 16-0393	MLF		18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,523.08 263.70	917.69
27 14 23 16-0394	MLF		24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,617.03 266.82	917.69
27 14 23 16-0395	MLF		36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,766.89 338.36	917.69
27 14 23 16-0396	MLF		48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,978.03 342.78	917.69
27 14 23 16-0397	MLF		60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,188.36 355.12	917.69
27 14 23 16-0398	MLF		72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,473.50 305.46	917.69
27 14 23 16-0399	MLF		96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,934.73 398.37	917.69
27 14 23 16-0400	MLF		120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,538.15 392.26	917.69
27 14 23 16-0401	MLF		144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,031.93 313.34	917.69
27 14 23 16-0402			50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0403	MLF		2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,449.47 287.50	917.69
27 14 23 16-0404	MLF		4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,667.97 161.00	917.69
27 14 23 16-0405	MLF		6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,955.47 34.50	917.69
27 14 23 16-0406	MLF		8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,093.47 57.50	917.69
27 14 23 16-0407	MLF		12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,231.47 57.50	917.69
27 14 23 16-0408	MLF		18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,553.47 69.00	917.69
27 14 23 16-0409	MLF		24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,840.97 264.50	917.69
27 14 23 16-0410	MLF		36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,461.97 517.50	917.69
27 14 23 16-0411	MLF		48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,082.97 862.50	917.69
27 14 23 16-0412	MLF		60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,600.47 948.75	917.69
27 14 23 16-0413	MLF		72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,278.97 1,207.50	917.69
27 14 23 16-0414	MLF		96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,693.47 1,782.50	917.69
27 14 23 16-0415	MLF		120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,406.47 1,345.50	917.69
27 14 23 16-0416	MLF		144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,234.97 3,277.50	917.69

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--	-------	-------------	------------------------	----------------------

27 14 23 16-0417		62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
	27 14 23 16-0418	MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,905.07 138.00	917.69
	27 14 23 16-0419	MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,008.57 149.18	917.69
	27 14 23 16-0420	MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,111.90 160.34	917.69
	27 14 23 16-0421	MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,215.40 171.50	917.69
	27 14 23 16-0422	MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,483.51 184.46	917.69
	27 14 23 16-0423	MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,746.41 216.16	917.69
	27 14 23 16-0424	MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,068.56 234.78	917.69
	27 14 23 16-0425	MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,692.10 290.09	917.69
	27 14 23 16-0426	MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,327.31 332.36	917.69
	27 14 23 16-0427	MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,964.69 370.10	917.69
	27 14 23 16-0428	MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,634.90 412.72	917.69
	27 14 23 16-0429	MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,994.92 486.65	917.69
	27 14 23 16-0430	MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,750.32 503.08	917.69
	27 14 23 16-0431	MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,779.05 519.34	917.69

27 14 23 16-0432 **Outdoor Fiber Optic Cable, Buried In Trench** (27 14 23 16-0338)
 Note: Excludes trenching.

27 14 23 16-0433 **Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** (27 14 23 16-0432)

27 14 23 16-0434 **Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** (27 14 23 16-0433)

	27 14 23 16-0435	MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,928.32 257.08	
	27 14 23 16-0436	MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,960.32 259.21	
	27 14 23 16-0437	MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,992.37 261.27	
	27 14 23 16-0438	MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,024.40 263.78	
	27 14 23 16-0439	MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,088.04 238.68	
	27 14 23 16-0440	MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,218.22 265.93	
	27 14 23 16-0441	MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,285.14 209.35	
	27 14 23 16-0442	MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,305.78 244.70	
	27 14 23 16-0443	MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,688.76 269.20	
	27 14 23 16-0444	MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,169.08 269.18	
	27 14 23 16-0445	MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,491.99 318.15	
	27 14 23 16-0446	MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,656.10 305.45	
	27 14 23 16-0447	MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,183.04 370.91	
	27 14 23 16-0448	MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,734.54 248.28	

27 14 23 16-0449 **50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** (27 14 23 16-0433)

	27 14 23 16-0450	MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,216.01 44.00	
	27 14 23 16-0451	MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,262.21 74.80	
	27 14 23 16-0452	MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,359.01 121.00	
	27 14 23 16-0453	MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,491.01 22.00	
	27 14 23 16-0454	MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,546.01 44.00	
	27 14 23 16-0455	MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,733.01 66.00	
	27 14 23 16-0456	MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,129.01 44.00	
	27 14 23 16-0457	MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,712.01 132.00	

27 Communications**27 10 Structured Cabling****27 14 Communications Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0458 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,361.01 44.00	
27 14 23 16-0459 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,812.01 132.00	
27 14 23 16-0460 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,395.01 517.00	
27 14 23 16-0461 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,748.01 176.00	
27 14 23 16-0462 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,090.01 209.00	
27 14 23 16-0463 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,432.01 253.00	
27 14 23 16-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>		
27 14 23 16-0465 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,706.24 109.94	
27 14 23 16-0466 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,811.94 117.90	
27 14 23 16-0467 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,917.47 125.66	
27 14 23 16-0468 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,047.85 143.06	
27 14 23 16-0469 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,234.56 149.18	
27 14 23 16-0470 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,564.67 158.99	
27 14 23 16-0471 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,877.37 182.84	
27 14 23 16-0472 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,475.83 203.18	
27 14 23 16-0473 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,175.82 233.61	
27 14 23 16-0474 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,822.35 251.38	
27 14 23 16-0475 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,504.74 284.52	
27 14 23 16-0476 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,884.88 319.90	
27 14 23 16-0477 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,287.17 363.06	
27 14 23 16-0478 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,711.12 333.49	
27 14 23 16-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0432)</small>		
27 14 23 16-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0479)</small>		
27 14 23 16-0481 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,111.61 203.16	
27 14 23 16-0482 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,174.02 291.59	
27 14 23 16-0483 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,192.75 279.45	
27 14 23 16-0484 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,267.51 232.63	
27 14 23 16-0485 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,290.85 278.04	
27 14 23 16-0486 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,395.62 263.70	
27 14 23 16-0487 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,489.57 266.82	
27 14 23 16-0488 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,639.43 338.36	
27 14 23 16-0489 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,850.57 342.78	
27 14 23 16-0490 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,060.90 355.12	
27 14 23 16-0491 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,346.04 305.46	
27 14 23 16-0492 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,807.27 398.37	
27 14 23 16-0493 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,410.69 392.26	
27 14 23 16-0494 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,904.47 313.34	
27 14 23 16-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0479)</small>		
27 14 23 16-0496 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,322.01 287.50	
27 14 23 16-0497 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,540.51 161.00	

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

27 14 23 16-0498	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,828.01		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	34.50		
27 14 23 16-0499	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,966.01		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	57.50		
27 14 23 16-0500	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,104.01		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	57.50		
27 14 23 16-0501	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,426.01		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	69.00		
27 14 23 16-0502	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,713.51		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	264.50		
27 14 23 16-0503	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	4,334.51		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	517.50		
27 14 23 16-0504	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	4,955.51		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	862.50		
27 14 23 16-0505	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	5,473.01		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	948.75		
27 14 23 16-0506	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	6,151.51		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,207.50		
27 14 23 16-0507	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	7,566.01		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,782.50		
27 14 23 16-0508	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	8,279.01		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,345.50		
27 14 23 16-0509	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	10,107.51		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,277.50		

27 14 23 16-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 14 23 16-0479)

27 14 23 16-0511	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,777.61		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	138.00		
27 14 23 16-0512	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,881.11		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	149.18		
27 14 23 16-0513	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,984.44		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	160.34		
27 14 23 16-0514	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,087.94		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	171.50		
27 14 23 16-0515	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,356.05		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	184.46		
27 14 23 16-0516	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,618.95		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	216.16		
27 14 23 16-0517	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,941.10		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	234.78		
27 14 23 16-0518	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,564.64		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	290.09		
27 14 23 16-0519	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	4,199.85		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	332.36		
27 14 23 16-0520	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	4,837.23		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	370.10		
27 14 23 16-0521	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	5,507.44		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	412.72		
27 14 23 16-0522	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	6,867.46		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	486.65		
27 14 23 16-0523	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	8,316.43		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	503.08		
27 14 23 16-0524	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	9,651.59		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	519.34		

27 14 23 16-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 14 23 16-0338)

27 14 23 16-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 14 23 16-0525)

27 14 23 16-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 14 23 16-0526)

27 14 23 16-0528	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,204.82		3,187.59
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	171.95		
27 14 23 16-0529	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,236.62		3,187.59
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	176.40		
27 14 23 16-0530	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,268.84		3,187.59
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	180.73		
27 14 23 16-0531	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,300.65		3,187.59
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	177.27		
27 14 23 16-0532	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,364.28		3,187.59
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	206.67		
27 14 23 16-0533	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,489.93		3,187.59
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	214.85		
27 14 23 16-0534	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,585.76		3,187.59
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	237.48		
27 14 23 16-0535	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,813.60		3,187.59
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	227.70		
27 14 23 16-0536	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,012.85		3,187.59
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	264.53		
27 14 23 16-0537	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,177.56		3,187.59
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	253.67		
27 14 23 16-0538	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,383.03		3,187.59
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	290.02		

27 Communications**27 10 Structured Cabling****27 14 Communications Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0539	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,922.30 294.56	3,187.59
27 14 23 16-0540	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,500.88 351.49	3,187.59
27 14 23 16-0541	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,639.58 377.42	3,187.59
27 14 23 16-0542			Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0338) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0543			Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0542)		
27 14 23 16-0544	MLF		12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,750.97	764.73
27 14 23 16-0545	MLF		24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,682.02	764.73
27 14 23 16-0546	MLF		48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,756.08	764.73
27 14 23 16-0547			Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0542)		
27 14 23 16-0548	MLF		12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,938.48	764.73
27 14 23 16-0549	MLF		24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,467.59	764.73
27 14 23 16-0550	MLF		48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,782.03	764.73
27 14 23 16-0551			Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 14 23 16-0338) Note: Singlemode and multimode combination cable. Excludes trenching.		
27 14 23 16-0552			Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 14 23 16-0551)		
27 14 23 16-0553	MLF		12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,623.51	701.01
27 14 23 16-0554	MLF		24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,554.56	701.01
27 14 23 16-0555	MLF		48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	6,628.62	701.01
27 14 23 16-0556			Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 14 23 16-0551)		
27 14 23 16-0557	MLF		12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,811.02	701.01
27 14 23 16-0558	MLF		24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,340.13	701.01
27 14 23 16-0559	MLF		48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	7,654.57	701.01
27 14 33			Communications Coaxial Cabling (27 14)		
27 14 33 16			Communications Coaxial Cabling (27 14 33) Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 14 33 16-0001			Indoor Coaxial Cable (27 14 33 16)		
27 14 33 16-0002			Coaxial Distribution Cable (27 14 33 16-0001) Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal		
27 14 33 16-0003	MLF		RG-6/U Coaxial Distribution Cable, In Conduit	1,821.48	372.86
27 14 33 16-0004	MLF		RG-6A/U Coaxial Distribution Cable, In Conduit	5,519.59	372.86
27 14 33 16-0005	MLF		RG-8/U Coaxial Distribution Cable, In Conduit	3,147.21	393.84
27 14 33 16-0006	MLF		RG-8A/U Coaxial Distribution Cable, In Conduit.....	3,841.87	393.84
27 14 33 16-0007	MLF		RG-11/U Coaxial Distribution Cable, In Conduit	3,557.25	466.08
27 14 33 16-0008	MLF		RG-11A/U Coaxial Distribution Cable, In Conduit.....	4,900.67	466.08
27 14 33 16-0009	MLF		RG-11/U Coaxial Distribution Cable, In Plenum	10,868.84	932.16
27 14 33 16-0010	MLF		RG-58/U Coaxial Distribution Cable, In Conduit	1,405.44	326.26
27 14 33 16-0011	MLF		RG-58A/U Coaxial Distribution Cable, In Conduit.....	1,543.09	326.26
27 14 33 16-0012	MLF		RG-58C/U Coaxial Distribution Cable, In Conduit.....	1,785.58	326.26
27 14 33 16-0013	MLF		RG-58/U Coaxial Distribution Cable, In Plenum	4,185.08	652.51
27 14 33 16-0014	MLF		RG-59/U Coaxial Distribution Cable, In Conduit	2,048.54	326.26
27 14 33 16-0015	MLF		RG-59/U Coaxial Distribution Cable, In Plenum	4,906.56	652.51
27 14 33 16-0016	MLF		1/2" Hard Line Coaxial, In Conduit.....	2,415.17	652.51
27 14 33 16-0017			Coaxial, Indoor Telecommunications Cable (27 14 33 16-0001)		
27 14 33 16-0018			Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 14 33 16-0017)		
27 14 33 16-0019	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	1,277.62	535.32
27 14 33 16-0020	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	2,376.97	535.32
27 14 33 16-0021	MLF		RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	1,205.24	611.79
27 14 33 16-0022	MLF		RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	2,937.49	611.79
27 14 33 16-0023			Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 14 33 16-0017)		
27 14 33 16-0024	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)	2,169.82	1,070.63
			<i>For Work In Restricted Working Space, Add</i>	535.32	
27 14 33 16-0025	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)	3,269.17	1,070.63
			<i>For Work In Restricted Working Space, Add</i>	535.32	

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

27 14 33 16-0026	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)		2,224.90	1,223.58
		<i>For Work In Restricted Working Space, Add</i>		611.79	
27 14 33 16-0027	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)		3,957.15	1,223.58
		<i>For Work In Restricted Working Space, Add</i>		611.79	

27 14 33 16-0028 Outdoor Coaxial Cable (27 14 33 16)

27 14 33 16-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core (27 14 33 16-0028)

Note: Corrugated steel armor jacket.

27 14 33 16-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....		5,891.93	1,744.54
27 14 33 16-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial.....		3,852.87	1,227.07
27 14 33 16-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial.....		2,915.68	723.94
27 14 33 16-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial.....		1,951.44	723.94
27 14 33 16-0034	MLF	TV Coaxial Cable Drop 1/4" Diameter, Placed In Conduit.....		2,969.54	1,131.18

27 14 43 Communications Faceplates And Connectors (27 14)

27 14 43 00-0001 Plastic Communications Faceplates (27 14 43)

Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.

27 14 43 00-0002	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID.....		8.51	3.19
27 14 43 00-0003	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID.....		8.51	3.19
27 14 43 00-0004	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID.....		8.51	3.19
27 14 43 00-0005	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID.....		8.51	3.19
27 14 43 00-0006	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID.....		8.51	3.19
27 14 43 00-0007	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID.....		12.42	3.19
27 14 43 00-0008	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID.....		12.42	3.19
27 14 43 00-0009	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID.....		12.42	3.19
27 14 43 00-0010	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID.....		12.42	3.19
27 14 43 00-0011	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID.....		12.42	3.19

27 14 43 00-0012 Stainless Steel Communications Faceplates (27 14 43)

Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.

27 14 43 00-0013 Stainless Steel Communications Faceplates (27 14 43 00-0012)

27 14 43 00-0014	EA	One Port, Single Gang, Stainless Steel Communications Faceplate.....		13.67	3.19
27 14 43 00-0015	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate.....		13.67	3.19
27 14 43 00-0016	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate.....		13.67	3.19
27 14 43 00-0017	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate.....		14.42	3.19
27 14 43 00-0018	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate.....		14.42	3.19
27 14 43 00-0019	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate.....		18.49	3.19
27 14 43 00-0020	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate.....		18.97	3.19
27 14 43 00-0021	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate.....		21.52	3.19
27 14 43 00-0022	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate.....		21.52	3.19
27 14 43 00-0023	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate.....		21.52	3.19

27 14 43 00-0024 Stainless Steel Communications Faceplates With Station ID (27 14 43 00-0012)

27 14 43 00-0025	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....		18.40	3.19
27 14 43 00-0026	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....		18.40	3.19
27 14 43 00-0027	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....		18.40	3.19
27 14 43 00-0028	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....		18.40	3.19
27 14 43 00-0029	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....		18.40	3.19
27 14 43 00-0030	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....		36.47	3.19
27 14 43 00-0031	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....		36.47	3.19
27 14 43 00-0032	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....		36.47	3.19
27 14 43 00-0033	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID.....		36.47	3.19
27 14 43 00-0034	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....		36.47	3.19

27 14 43 00-0035 Snap-In Modular Jacks (27 14 43)

Note: Includes termination.

27 14 43 00-0036	EA	Cat 3, Snap-In Modular Jack		30.90	12.76
27 14 43 00-0037	EA	Cat 5E, Snap-In Modular Jack.....		31.95	12.76
27 14 43 00-0038	EA	Cat 5E Shielded, Snap-In Modular Jack.....		35.07	12.76
27 14 43 00-0039	EA	Cat 6, Snap-In Modular Jack.....		35.07	12.76
27 14 43 00-0040	EA	Cat 6 Shielded, Snap-In Modular Jack.....		38.57	12.76
27 14 43 00-0041	EA	Cat 6A, Snap-In Modular Jack.....		39.10	12.76
27 14 43 00-0042	EA	Voice, RJ-11, Snap-In Modular Jack.....		19.69	6.38
27 14 43 00-0043	EA	SC Type Fiber Optic, Snap-In Modular Jack.....		33.27	12.76
27 14 43 00-0044	EA	ST Type Fiber Optic, Snap-In Modular Jack.....		35.92	12.76
27 14 43 00-0045	EA	LC Type Fiber Optic, Snap-In Modular Jack.....		41.12	12.76
27 14 43 00-0046	EA	Blank Fill In, Snap-In Modular Jack.....		6.87	3.19
27 14 43 00-0047	EA	Open Cable Pass Through Insert, Snap-In Modular Jack.....		7.60	3.19
27 14 43 00-0048	EA	Coaxial F-Type Coupler, Snap-In Modular Jack.....		24.91	9.57

Note: Includes female to female connection.

27 14 43 00-0049	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack.....		25.10	9.57
		<i>For Gold Bulkhead, Add</i>		1.01	
		Note: Includes female to female connection.			
27 14 43 00-0050	EA	RCA Solder Coupler, Snap-In Modular Jack.....		55.49	12.76
27 14 43 00-0051	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack.....		63.15	12.76
27 14 43 00-0052	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack.....		31.66	12.76
27 14 43 00-0053	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack.....		27.41	6.38
27 14 43 00-0054	EA	BNC Connector, Snap-In Modular Jack.....		34.78	12.76

27 Communications**27 10 Structured Cabling****27 14 Communications Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 43 00-0055 EA S-Video With 110 Punch Down, Snap-In Modular Jack.....	37.62	12.76
27 14 43 00-0056 PR Speaker Connectors, Snap-In Modular Jack	53.02	19.14
Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 14 43 00-0057 EA USB Audio Video Connector, Snap-In Modular Jack.....	50.68	12.76
27 14 43 00-0058 Surface Mount Plastic Communication Boxes (27 14 43)		
Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 43 00-0059 EA One Port, Surface Mount Plastic Communication Box With Station ID.....	34.60	15.95
27 14 43 00-0060 EA Two Port, Surface Mount Plastic Communication Box With Station ID.....	35.07	15.95
27 14 43 00-0061 EA Four Port, Surface Mount Plastic Communication Box With Station ID.....	38.34	15.95
27 14 43 00-0062 EA Six Port, Surface Mount Plastic Communication Box With Station ID.....	42.22	15.95
27 14 43 00-0063 EA Twelve Port, Surface Mount Plastic Communication Box With Station ID.....	46.28	15.95
27 14 43 00-0064 Wall Mounted Telephone Faceplates (27 14 43)		
Note: Includes standard telephone mounting studs.		
27 14 43 00-0065 Plastic Faceplates For Wall Mounted Telephones (27 14 43 00-0064)		
27 14 43 00-0066 EA Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	39.08	15.93
27 14 43 00-0067 Stainless Steel Faceplates For Wall Mounted Telephones (27 14 43 00-0064)		
27 14 43 00-0068 EA Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	26.00	6.37
Note: Requires one snap-in modular jack.		
27 14 43 00-0069 EA Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	49.76	15.93
27 14 43 00-0070 EA Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	58.46	19.12
27 14 43 00-0071 EA Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	25.22	6.37
Note: Requires one snap-in modular jack.		
27 14 43 00-0072 EA Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	46.50	15.93
27 14 43 00-0073 EA Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	55.27	19.12
27 14 43 00-0074 Communications Equipment Labeling (27 14 43)		
27 14 43 00-0075 EA Label Both Ends Of One 4 Pair Cable	25.09	
27 14 43 00-0076 EA Label single gang face plate (2 labels required)	20.07	
27 14 43 00-0077 EA Label two gang face plate (4 labels required)	30.10	
27 14 43 00-0078 EA Label both ends of a Siamese (dual 4 Pair cable).....	25.09	
27 14 53 Communications Cable Innerduct (27 14)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 14 53 00-0001 Indoor Innerduct (27 14 53)		
27 14 53 00-0002 Indoor Innerduct, Installed In Conduit (27 14 53 00-0001)		
27 14 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0004 MLF 1" Riser Rated, Indoor Innerduct, Installed In Conduit	4,483.73	1,911.84
27 14 53 00-0005 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit.....	5,870.65	2,549.12
27 14 53 00-0006 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	7,622.69	3,186.40
27 14 53 00-0007 MLF 2" Riser Rated, Indoor Innerduct, Installed In Conduit	8,995.55	3,823.67
27 14 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0009 MLF 1" Plenum Rated, Indoor Innerduct, Installed In Conduit	5,888.11	1,911.84
27 14 53 00-0010 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,513.77	2,549.12
27 14 53 00-0011 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	9,799.48	3,186.40
27 14 53 00-0012 MLF 2" Plenum Rated, Indoor Innerduct, Installed In Conduit	11,804.31	3,823.67
27 14 53 00-0013 Indoor Innerduct, Installed Exposed (27 14 53 00-0001)		
27 14 53 00-0014 Riser Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0015 MLF 1" Riser Rated, Indoor Innerduct, Installed Exposed	5,758.30	2,549.12
<i>For Work In Restricted Working Space, Add</i>		
	1,529.47	
27 14 53 00-0016 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	7,145.20	3,186.40
<i>For Work In Restricted Working Space, Add</i>		
	1,911.84	
27 14 53 00-0017 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	8,897.25	3,823.67
<i>For Work In Restricted Working Space, Add</i>		
	2,294.21	
27 14 53 00-0018 MLF 2" Riser Rated, Indoor Innerduct, Installed Exposed	10,270.11	4,460.95
<i>For Work In Restricted Working Space, Add</i>		
	2,676.57	
27 14 53 00-0019 Plenum Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0020 MLF 1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	7,162.68	2,549.12
<i>For Work In Restricted Working Space, Add</i>		
	1,529.47	
27 14 53 00-0021 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	8,788.32	3,186.40
<i>For Work In Restricted Working Space, Add</i>		
	1,911.84	
27 14 53 00-0022 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	11,074.04	3,823.67
<i>For Work In Restricted Working Space, Add</i>		
	2,294.21	
27 14 53 00-0023 MLF 2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	13,078.87	4,460.95
<i>For Work In Restricted Working Space, Add</i>		
	2,676.57	
27 14 53 00-0024 Outdoor Innerduct (27 14 53)		

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

27 14 53 00-0025	Outdoor Innerduct, Installed In Conduit <small>(27 14 53 00-0024)</small>		
27 14 53 00-0026	MLF 1" Outdoor Innerduct, Installed In Conduit.....	4,315.20	1,911.84
27 14 53 00-0027	MLF 1-1/4" Outdoor Innerduct, Installed In Conduit.....	5,622.13	2,549.12
27 14 53 00-0028	MLF 1-1/2" Outdoor Innerduct, Installed In Conduit.....	7,120.20	3,186.40
27 14 53 00-0029	MLF 2" Outdoor Innerduct, Installed In Conduit.....	8,520.03	3,823.67

27 14 53 00-0030	Outdoor Innerduct, Buried In Trench <small>(27 14 53 00-0024)</small>		
27 14 53 00-0031	MLF 1" Outdoor Innerduct, Buried In Trench.....	3,040.65	
27 14 53 00-0032	MLF 1-1/4" Outdoor Innerduct, Buried In Trench.....	4,347.56	
27 14 53 00-0033	MLF 1-1/2" Outdoor Innerduct, Buried In Trench.....	5,845.65	
27 14 53 00-0034	MLF 2" Outdoor Innerduct, Buried In Trench.....	7,245.47	

27 14 63 Communications Multimedia Modular Patch Panels (27 14)

27 14 63 00-0001	Communications Multimedia Modular Patch Panels <small>(27 14 63)</small>		
<small>Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 14 43 00-0035 for modular jacks.</small>			
27 14 63 00-0002	EA 12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	83.99	6.37
27 14 63 00-0003	EA 16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	92.26	6.37
27 14 63 00-0004	EA 24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	108.25	6.37
27 14 63 00-0005	EA 36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	113.16	6.37
27 14 63 00-0006	EA 48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	124.43	7.96
27 14 63 00-0007	EA 24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	117.23	6.37
27 14 63 00-0008	EA 48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	147.10	7.96
27 14 63 00-0009	EA Rack Mount Rear Cable Management Bar.....	44.46	7.96

27 16 Communications Connecting Cords, Devices, And Adapters (27 16)

27 16 16 Communications Media Converters, Adapters, and Transceivers (27 16)

27 16 16 00-0001	Fiber Optic Receivers <small>(27 16 16)</small>		
27 16 16 00-0002	EA Fiber Optic Receiver, Range 6.2 Miles.....	678.09	63.73

27 16 16 00-0003	Fiber Optic Transmitters <small>(27 16 16)</small>		
27 16 16 00-0004	EA Fiber Optic Transmitter, Range 6.2 Miles.....	678.09	63.73

27 16 16 00-0005	Fiber Optic Repeaters <small>(27 16 16)</small>		
<small>Note: Consist of transmitter and receiver, back-to-back. Excludes power source.</small>			
27 16 16 00-0006	EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power.....	805.54	127.46
27 16 16 00-0007	EA Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power.....	1,303.95	254.91

27 16 16 00-0008	Fiber Optic Transceivers <small>(27 16 16)</small>		
27 16 16 00-0009	EA Fiber Optic Transceivers, 3,000 Miles Range.....	930.44	254.91
27 16 16 00-0010	EA Fiber Optic Transceivers, Digital 2,000 Miles Range.....	930.44	254.91
27 16 16 00-0011	EA Fiber Optic Ethernet Transceiver.....	1,206.00	382.37
27 16 16 00-0012	EA Transceiver (Low Cost Bi- Directional).....	401.96	95.59

27 16 19 Communications Patch Cords, Station Cords, And Cross Connect Wire (27 16)

27 16 19 00-0001	Fiber Optic Patch Cords <small>(27 16 19)</small>		
-------------------------	--	--	--

27 16 19 00-0002	Simplex Fiber Optic Patch Cables <small>(27 16 19 00-0001)</small>		
-------------------------	---	--	--

27 16 19 00-0003	Singlemode, Simplex Fiber Optic Patch Cables <small>(27 16 19 00-0002)</small>		
27 16 19 00-0004	EA ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	36.84	
	<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>	
27 16 19 00-0005	EA ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	31.02	
	<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>	
27 16 19 00-0006	EA ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	38.58	
	<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>	
27 16 19 00-0007	EA SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	32.35	
	<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>	
27 16 19 00-0008	EA SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	36.59	
	<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>	
27 16 19 00-0009	EA LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	36.12	
	<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>	

27 16 19 00-0010	Duplex Fiber Optic Patch Cables <small>(27 16 19 00-0001)</small>		
-------------------------	--	--	--

27 16 19 00-0011	Singlemode, Duplex Fiber Optic Patch Cables <small>(27 16 19 00-0010)</small>		
27 16 19 00-0012	EA ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	60.22	
	<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>	
27 16 19 00-0013	EA ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	58.58	
	<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>	
27 16 19 00-0014	EA ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	64.41	
	<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>	
27 16 19 00-0015	EA SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	51.26	
	<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>	

27 Communications**27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, And Adapters**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 16 19 00-0016	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	59.74	
		<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0017	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	58.81	
		<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0018		Multimode, Duplex Fiber Optic Patch Cables <small>(27 16 19 00-0010)</small>		
27 16 19 00-0019	EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	46.78	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0020	EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	50.58	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0021	EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	50.97	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0022	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	52.19	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0023	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	46.94	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0024	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	52.40	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0025	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	60.65	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0026	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	43.43	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0027	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	51.69	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0028		Fiber Optic Cable Pig Tail <small>(27 16 19)</small>		
27 16 19 00-0029	EA	Simplex Fiber Optic Cable Pig Tail	77.07	44.60
27 16 19 00-0030	EA	Duplex Fiber Optic Cable Pig Tail.....	90.87	44.60
27 16 19 00-0031		Ethernet Patch Cords <small>(27 16 19)</small>		
27 16 19 00-0032	EA	3' Category 5E Patch Cables With Boots.....	13.39	
27 16 19 00-0033	EA	5' Category 5E Patch Cables With Boots.....	14.42	
27 16 19 00-0034	EA	7' Category 5E Patch Cables With Boots.....	15.47	
27 16 19 00-0035	EA	10' Category 5E Patch Cables With Boots.....	25.80	
27 16 19 00-0036	EA	15' Category 5E Patch Cables With Boots.....	28.62	
27 16 19 00-0037	EA	25' Category 5E Patch Cables With Boots.....	36.53	
27 16 19 00-0038	EA	3' Category 6 Patch Cables With Boots	14.62	
27 16 19 00-0039	EA	5' Category 6 Patch Cables With Boots	17.26	
27 16 19 00-0040	EA	7' Category 6 Patch Cables With Boots	17.31	
27 16 19 00-0041	EA	10' Category 6 Patch Cables With Boots.....	24.54	
27 16 19 00-0042	EA	15' Category 6 Patch Cables With Boots	28.22	
27 16 19 00-0043	EA	25' Category 6 Patch Cables With Boots	34.39	
27 16 19 00-0044	EA	50' Category 6 Patch Cables With Boots	51.73	
27 16 19 00-0045	EA	100' Category 6 Patch Cables With Boots	89.25	
27 16 19 00-0046	EA	3' Category 6A Patch Cables With Boots.....	25.34	
27 16 19 00-0047	EA	5' Category 6A Patch Cables With Boots.....	26.91	
27 16 19 00-0048	EA	7' Category 6A Patch Cables With Boots.....	28.08	
27 16 19 00-0049	EA	10' Category 6A Patch Cables With Boots.....	36.22	
27 16 19 00-0050	EA	15' Category 6A Patch Cables With Boots.....	40.50	
27 16 19 00-0051	EA	25' Category 6A Patch Cables With Boots.....	50.60	
27 16 19 00-0052	EA	50' Category 6A Patch Cables With Boots.....	73.27	
27 16 19 00-0053	EA	100' Category 6A Patch Cables With Boots.....	128.43	
27 16 19 00-0054	EA	3' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E03-06)	13.39	
27 16 19 00-0055	EA	5' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E05-06)	14.42	
27 16 19 00-0056	EA	7' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E07-06)	15.47	
27 16 19 00-0057	EA	10' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E10-06)	25.80	
27 16 19 00-0058	EA	15' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E15-06)	28.62	
27 16 19 00-0059	EA	25' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E25-06)	36.53	
27 16 19 00-0060	EA	3' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC603-06).....	14.62	
27 16 19 00-0061	EA	5' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC605-06).....	17.26	
27 16 19 00-0062	EA	7' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC607-06).....	17.31	
27 16 19 00-0063	EA	10' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC610-06).....	24.54	
27 16 19 00-0064	EA	15' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC615-06).....	28.22	
27 16 19 00-0065	EA	25' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC625-06).....	34.39	
27 16 19 00-0066	EA	3' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A03-09)	25.34	
27 16 19 00-0067	EA	5' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A05-09)	26.91	
27 16 19 00-0068	EA	7' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A07-09)	28.08	
27 16 19 00-0069	EA	10' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A10-09)	36.22	
27 16 19 00-0070	EA	15' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A15-09)	40.50	
27 16 19 00-0071	EA	25' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A25-09)	50.60	

27 20 Data Communications (27)**27 21 Data Communications Network Equipment** (27 20)**27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems****27 21 16 00-0001** (27 21)**Fiber Optic Modems** (27 21 16)

27 21 16 00-0002	EA	Fiber Optic Modems, Range 6.2 Miles.....	1,427.53	254.91
27 21 16 00-0003	EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel	2,574.67	254.91

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--	-------	-------------	------------------------	----------------------

27 21 16 00-0004		Ethernet Hubs and Switches (27 21 16)		
27 21 16 00-0005	EA	16 Port Managed Hub With Fiberport And Standard Management.....	2,446.23	191.39
27 21 16 00-0006	EA	16 Port Unmanaged Hub	474.56	127.59
27 21 16 00-0007	EA	Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E)	4,869.18	127.59
27 21 16 00-0008	EA	Power Supply (Cisco PWR-IE170W-PC-AC).....	911.34	63.80

27 21 19 Data Communications Network Management (27 21)

27 21 19 00-0001		Data Communications Network Management (27 21 19)		
27 21 19 00-0002	EA	3 Port, Terminal/Serial Device Server (Comtrol 99560-9).....	532.77	31.87
27 21 19 00-0003	EA	2 Port, Terminal/Serial Device Server (Comtrol 99550-0).....	417.88	31.87
27 21 19 00-0004	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9).....	557.23	31.87
27 21 19 00-0005	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0).....	864.94	31.87
27 21 19 00-0006	EA	24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020).....	94.02	
27 21 19 00-0007	EA	Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2)	304.76	19.12
27 21 19 00-0008	EA	Sennetech Code Translator (Pelco SCT_100_AD232).....	641.85	31.87
27 21 19 00-0009	EA	VPN Router (Cisco 819HG).....	3,756.64	408.30
27 21 19 00-0010	EA	Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC).....	2,857.81	408.30
27 21 19 00-0011	EA	WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+)	20,475.01	152.94
27 21 19 00-0012	EA	SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis,2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV).....	1,498.82	
27 21 19 00-0013	EA	Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8)	9,932.17	152.94
27 21 19 00-0014	EA	Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2)	16,969.22	152.94
27 21 19 00-0015	EA	Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E)	408.64	12.76
27 21 19 00-0016	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV).....	2,490.87	15.93
27 21 19 00-0017	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2).....	2,490.87	15.93
27 21 19 00-0018	EA	13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US)	57.36	6.38
27 21 19 00-0019	EA	1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=)	538.96	63.73
27 21 19 00-0020	EA	Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850--24TS).....	5,693.29	152.94
27 21 19 00-0021	EA	SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS)	1,262.40	
27 21 19 00-0022	EA	North America AC Type A Power Cable (Cisco CAB-TA-NA).....	57.36	6.38
27 21 19 00-0023	EA	350 Watt AC Power Supply (Cisco PWR-C1-350WAC)	443.37	15.93
27 21 19 00-0024	EA	Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G)	431.13	15.95
27 21 19 00-0025	EA	1', Catalyst 3750X and 3850 Stack Power Cable (Cisco CAB-SPWR-30CM)	100.85	6.38
27 21 19 00-0026	EA	Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC).....	4,736.59	152.94
27 21 19 00-0027	EA	SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/100 (Cisco CON-SNT-301016S8).....	834.16	
27 21 19 00-0028	EA	IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA).....	607.30	15.93
27 21 19 00-0029	EA	IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IA)	763.43	15.93
27 21 19 00-0030	EA	4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC).....	1,777.79	152.94
27 21 19 00-0031	EA	Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC).....	355.30	15.95
27 21 19 00-0032	EA	4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM).....	1,387.97	15.95

27 21 33 Data Communications Wireless Access Points (27 21)

27 21 33 00-0001		Data Communications Wireless Access Points (27 21 33)		
27 21 33 00-0002	EA	Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU).....	4,298.67	191.19
27 21 33 00-0003	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1)	8,509.57	191.19
27 21 33 00-0004	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9)	7,236.64	191.19
27 21 33 00-0005	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA)	1,488.03	191.19
27 21 33 00-0006	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR)	1,717.34	203.02
27 21 33 00-0007	EA	Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G).....	2,294.30	203.02
27 21 33 00-0008	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G).....	3,343.57	203.02
27 21 33 00-0009	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G)	3,343.57	203.02
27 21 33 00-0010	EA	50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50).....	693.13	67.67
27 21 33 00-0011	EA	100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100)	785.47	67.67
27 21 33 00-0012	EA	Gigabit, 32W, PoE Injector With RJ45 And Reload Button (Proxim Wireless ETH-POEINJ-1G).....	150.92	33.84
27 21 33 00-0013	EA	Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G)	150.92	33.84
27 21 33 00-0014	EA	ORiNOCO Dual Band Range Extender Antenna (Proxim Wireless 1086-REA)	284.39	63.73
27 21 33 00-0015	EA	5 dBi, ORiNOCO 2.4GHz Omni Antenna (Proxim Wireless 1086-OA24-5)	230.86	63.73
27 21 33 00-0016	EA	8.5 dBi, ORiNOCO 2.4GHz Panel Antenna (Proxim Wireless 1086-PA24-8.5).....	316.02	63.73
27 21 33 00-0017	EA	9.5 dBi, ORiNOCO 2.4GHz Panel Antenna (Proxim Wireless 1086-PA24-9.5).....	316.02	63.73
27 21 33 00-0018	EA	7 dBi, ORiNOCO 5GHz Panel Antenna (Proxim Wireless 1086-PA50-7).....	303.85	63.73
27 21 33 00-0019	EA	FlexPort23 330 Mbps With Rectangular Antenna Interface, Band 6 (BridgeWave Communications FP23-1200R6)	28,234.18	127.46
27 21 33 00-0020	EA	FlexPort23 330 Mbps With Rectangular Antenna Interface, Band 7 (BridgeWave Communications FP23-1200R7)	28,234.18	127.46
27 21 33 00-0021	EA	FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM)	2,311.33	
27 21 33 00-0022	EA	FlexPort 18 (23) Capacity Upgrade, 330-660 Mbps (BridgeWave Communications FP18(23)CU330-660).....	2,432.98	
27 21 33 00-0023	EA	SFP, GigE, Multimode Fiber (LC) Interface (BridgeWave Communications BRG171-00511)	246.20	31.87
27 21 33 00-0024	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR).....	724.63	63.73
27 21 33 00-0025	EA	FPUWave 2nd Year Extended Warranty And NDR (BridgeWave Communications FPU-WAVE-EWNR-2).....	4,196.89	
27 21 33 00-0026	EA	Cisco #AIR-ANT5959, 2.4 GHZ - 2.0/2.35 dBi antenna.....	480.39	63.73
27 21 33 00-0027	EA	Verizon LTE Modem (Sierra Wireless AirLink GX440 LTE VZW).....	1,170.85	63.73
27 21 33 00-0028	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH).....	381.75	63.73
27 21 33 00-0029	EA	AirLink GX400 Modem Mounting Bracket (Sierra Wireless 1202404)	59.15	
27 21 33 00-0030	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075)	90.45	25.49

27 Communications**27 20 Data Communications****27 21 Data Communications Network Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 21 33 00-0031	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384).....	52.22	
27 21 33 00-0032	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380).....	37.12	
27 21 33 00-0033	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL)	271.44	63.73
27 21 33 00-0034	EA	Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL)	294.66	63.73
27 21 33 00-0035	EA	2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D).....	326.85	63.80
27 21 33 00-0036	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS).....	747.60	95.69
27 21 33 00-0037	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX440 LTE/EVDO/GPS)	933.39	95.69
27 21 33 00-0038	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged)	840.50	95.69
27 21 33 00-0039	EA	Magnetic Mount Cellular Antenna (Wilson Electronics 301125)	63.28	19.12
27 21 33 00-0040	EA	Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K)	252.39	67.67
27 21 33 00-0041	EA	Andrew® Omni Antenna, 890-960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38-51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y)	166.72	67.67
27 21 33 00-0042	EA	PowerBridge M5: Carrier Class 5GHz MIMO Bridging Solution Featuring Super Efficient 25dBi MIMO Antenna Array (Ubiquiti Networks PBM-5).....	407.38	63.80
27 21 33 00-0043	EA	Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC).....	3,579.13	63.80
27 21 33 00-0044	EA	Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150).....	2,885.45	63.73

27 50 Distributed Communications And Monitoring Systems ⁽²⁷⁾**27 51 Distributed Audio-Video Communications Systems** ^(27 50)**27 51 33 Sound Reinforcement** ^(27 51)

Note: Includes testing of new devices and certification.

27 51 33 00-0001 Accessories ^(27 51 33)

27 51 33 00-0002	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18).....	664.65	127.59
27 51 33 00-0003	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	169.20	31.87
27 51 33 00-0004	EA	Microphone Jack For Audio/Video System	93.95	31.90
27 51 33 00-0005	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A)	132.59	31.90
27 51 33 00-0006	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A).....	220.76	31.90
27 51 33 00-0007	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	196.31	15.95
27 51 33 00-0008	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P).....	422.98	15.95
27 51 33 00-0009	EA	Volume Control For Audio/Video System (Bogen AT10A)	91.10	31.90
27 51 33 00-0010	EA	Round Bridge for 8" (S86/S810) Recessed Speakers (Bogen Communications TB8).....	72.62	31.90

END OF SECTION 27

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

28 Electronic Safety And Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results For Electronic Safety And Security ⁽²⁸⁾

28 05 14 Conductors And Cables For Electronic Safety And Security ^(28 05)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

28 05 14 13 CCTV Communications Conductors And Cables ^(28 05 14)
 See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables.

28 05 14 16 Access Control Communications Conductors And Cables ^(28 05 14)
 See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables.

28 05 14 19 Intrusion Detection Communications Conductors And Cables ^(28 05 14)
 See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables, 28 05 14 23-0000 for Type FPLP.

28 05 14 23 Fire Alarm Communications Conductors And Cables ^(28 05 14)

28 05 14 23-0001	Fire Alarm/Life Safety Cable ^(28 05 14 23)		
28 05 14 23-0002	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable ^(28 05 14 23-0001)		
28 05 14 23-0003	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit ^(28 05 14 23-0002)		
28 05 14 23-0004	MLF 1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,832.58	867.21
28 05 14 23-0005	MLF 2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,141.61	898.57
28 05 14 23-0006	MLF 1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,087.63	985.74
28 05 14 23-0007	MLF 2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,570.56	1,020.93
28 05 14 23-0008	MLF 1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,379.48	1,103.52
28 05 14 23-0009	MLF 2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,060.55	1,143.28
28 05 14 23-0010	MLF 1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,948.85	1,261.82
28 05 14 23-0011	MLF 2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,996.13	1,306.80
28 05 14 23-0012	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed ^(28 05 14 23-0002)		
28 05 14 23-0013	MLF 1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,277.93	1,734.67
28 05 14 23-0014	MLF 2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,639.21	1,797.13
28 05 14 23-0015	MLF 1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,730.53	1,971.74
28 05 14 23-0016	MLF 2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,272.09	2,041.84
28 05 14 23-0017	MLF 1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,218.66	2,207.53
28 05 14 23-0018	MLF 2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,966.02	2,286.56
28 05 14 23-0019	MLF 1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,051.87	2,523.62
28 05 14 23-0020	MLF 2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	6,174.35	2,614.12
28 05 14 23-0021	Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit ^(28 05 14 23-0001)		
28 05 14 23-0022	MLF 2/c #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,267.02	709.67
28 05 14 23-0023	MLF 4/c #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,348.88	734.91
28 05 14 23-0024	MLF 2/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,543.92	867.21
28 05 14 23-0025	MLF 3/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,619.40	882.88
28 05 14 23-0026	MLF 4/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,668.83	898.57
28 05 14 23-0027	MLF 6/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,816.53	929.91
28 05 14 23-0028	MLF 8/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,019.53	961.27

28 Electronic Safety And Security**28 05 Common Work Results For Electronic Safety And Security****28 05 14 Conductors And Cables For Electronic Safety And Security**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 05 14 23-0029	MLF	2/c #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,784.25	985.74	
28 05 14 23-0030	MLF	4/c #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,949.26	1,020.93	
28 05 14 23-0031	MLF	2/c #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,041.75	1,103.52	
28 05 14 23-0032	MLF	4/c #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,289.57	1,143.28	
28 05 14 23-0033	MLF	2/c #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,436.23	1,261.82	
28 05 14 23-0034	MLF	4/c #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,823.47	1,306.80	
28 05 14 23-0035		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable <small>(28 05 14 23-0001)</small>			
28 05 14 23-0036		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(28 05 14 23-0035)</small>			
28 05 14 23-0037	MLF	2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,260.39	709.67	
28 05 14 23-0038	MLF	2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,539.61	867.21	
28 05 14 23-0039	MLF	3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,661.02	882.88	
28 05 14 23-0040	MLF	4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,680.35	898.57	
28 05 14 23-0041	MLF	6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,876.68	929.91	
28 05 14 23-0042	MLF	2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,777.74	985.74	
28 05 14 23-0043	MLF	4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,963.86	1,020.93	
28 05 14 23-0044	MLF	2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,012.46	1,103.52	
28 05 14 23-0045	MLF	4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,405.99	1,143.28	
28 05 14 23-0046	MLF	2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,426.66	1,261.82	
28 05 14 23-0047	MLF	4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,000.20	1,306.80	
28 05 14 23-0048		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed <small>(28 05 14 23-0035)</small>			
28 05 14 23-0049	MLF	2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,443.18	1,419.86	
28 05 14 23-0050	MLF	2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,984.96	1,734.67	
28 05 14 23-0051	MLF	3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,131.86	1,765.27	
28 05 14 23-0052	MLF	4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,177.95	1,797.13	
28 05 14 23-0053	MLF	6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,426.54	1,859.59	
28 05 14 23-0054	MLF	2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,420.64	1,971.74	
28 05 14 23-0055	MLF	4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,665.39	2,041.84	
28 05 14 23-0056	MLF	2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,851.64	2,207.53	
28 05 14 23-0057	MLF	4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,311.46	2,286.56	
28 05 14 23-0058	MLF	2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,529.68	2,523.62	
28 05 14 23-0059	MLF	4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,178.42	2,614.12	
28 05 14 23-0060		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable <small>(28 05 14 23-0001)</small>			
28 05 14 23-0061		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(28 05 14 23-0060)</small>			
28 05 14 23-0062	MLF	2/c #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,287.68	709.67	
28 05 14 23-0063	MLF	2/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,559.10	867.21	
28 05 14 23-0064	MLF	3/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,733.36	882.88	
28 05 14 23-0065	MLF	4/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,700.29	898.57	
28 05 14 23-0066	MLF	6/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,897.07	929.91	
28 05 14 23-0067	MLF	2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,822.53	985.74	
28 05 14 23-0068	MLF	4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,984.58	1,020.93	
28 05 14 23-0069	MLF	2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,109.06	1,103.52	
28 05 14 23-0070	MLF	4/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,357.55	1,143.28	
28 05 14 23-0071	MLF	2/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,498.14	1,261.82	
28 05 14 23-0072	MLF	4/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,853.14	1,306.80	

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

28 05 14 23-0073	Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed <small>(28 05 14 23-0060)</small>		
28 05 14 23-0074	MLF 2/c #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,470.47	1,419.86
28 05 14 23-0075	MLF 2/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,004.45	1,734.67
28 05 14 23-0076	MLF 3/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,204.20	1,765.27
28 05 14 23-0077	MLF 4/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,197.89	1,797.13
28 05 14 23-0078	MLF 6/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,446.93	1,859.59
28 05 14 23-0079	MLF 2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,465.43	1,971.74
28 05 14 23-0080	MLF 4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,686.11	2,041.84
28 05 14 23-0081	MLF 2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,948.24	2,207.53
28 05 14 23-0082	MLF 4/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,263.02	2,286.56
28 05 14 23-0083	MLF 2/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,601.16	2,523.62
28 05 14 23-0084	MLF 4/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,031.36	2,614.12

28 05 14 23-0085 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable (28 05 14 23-0001)

28 05 14 23-0086 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (28 05 14 23-0085)

28 05 14 23-0087	MLF 2/c #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,259.87	709.67
28 05 14 23-0088	MLF 2/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,567.25	867.21
28 05 14 23-0089	MLF 3/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,653.99	882.88
28 05 14 23-0090	MLF 4/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,728.20	898.57
28 05 14 23-0091	MLF 6/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,889.16	929.91
28 05 14 23-0092	MLF 2/c #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,797.51	985.74
28 05 14 23-0093	MLF 4/c #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,012.03	1,020.93
28 05 14 23-0094	MLF 2/c #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,068.59	1,103.52
28 05 14 23-0095	MLF 4/c #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,437.34	1,143.28
28 05 14 23-0096	MLF 2/c #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,441.12	1,261.82

28 05 14 23-0097 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed (28 05 14 23-0085)

28 05 14 23-0098	MLF 2/c #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,442.66	1,419.86
28 05 14 23-0099	MLF 2/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,012.60	1,734.67
28 05 14 23-0100	MLF 3/c #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,124.83	1,765.27
28 05 14 23-0101	MLF 4/c #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,225.80	1,797.13
28 05 14 23-0102	MLF 6/c #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,439.02	1,859.59
28 05 14 23-0103	MLF 2/c #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,440.41	1,971.74
28 05 14 23-0104	MLF 4/c #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,713.56	2,041.84
28 05 14 23-0105	MLF 2/c #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,907.77	2,207.53
28 05 14 23-0106	MLF 4/c #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,342.81	2,286.56
28 05 14 23-0107	MLF 2/c #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,544.14	2,523.62

28 05 26 Grounding And Bonding For Electronic Safety And Security (28 05)
 See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 28 Pathways For Electronic Safety And Security (28 05)

28 05 28 29 Hangers And Supports For Electronic Safety And Security (28 05 28)
 See CSI section 26 05 29 00-0000 for hangers and supports.

28 05 28 33 Conduits And Backboxes For Electronic Safety And Security (28 05 28)
 See CSI section 26 05 33 13-0000 for conduits.

28 05 28 39 Surface Raceways For Electronic Safety And Security (28 05 28)
 See CSI section 26 05 33 23-0000 for surface raceways.

28 05 53 Identification For Electronic Safety And Security (28 05)
 See CSI section 26 05 53 00-0000 for identification.

28 10 Access Control (28)

28 15 Access Control Hardware Devices (28 10)

28 Electronic Safety And Security**28 10 Access Control****28 15 Access Control Hardware Devices**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**28 15 11 Integrated Credential Readers and Field Entry Management (28 15)****28 15 11 13 Keypads (28 15 11)****28 15 11 13-0001 Vindicator Security Alarm System (28 15 11 13)**

28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00.....	1,313.10	265.75
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00.....	1,653.30	345.40
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01.....	7,368.02	757.09
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01.....	3,419.27	645.18
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00.....	1,130.50	352.92
28 15 11 13-0007	EA	Key Pad, Remote, (Security) Vindicator.....	2,562.56	531.36

28 15 19 Access Control Remote Devices (28 15)**28 15 19 13 Wireless Access Control Devices (28 15 19)****28 15 19 13-0001 Personnel Assistance System (PAS) (28 15 19 13)**

Note: Owner supplied, contractor installed components as manufactured by Secure Systems Inc. (SSI). Excludes mounting hardware/material (anchor bolts, screws, threaded rod, beam clamps, blocking/plywood backer, etc.) and electrical components (boxes, conduit, wire, etc.). See CSI section 26 00 00 00-0000 for electrical components (boxes, conduit, wire, etc.).

28 15 19 13-0002	EA	BARD (Building Alarm Reporting Device), Labor Only.....	191.39	95.69
28 15 19 13-0003	EA	LARD (Local Alarm Reporting Device), Labor Only.....	127.59	63.80
28 15 19 13-0004	EA	LARD + (Local Alarm Reporting Device Plus), Labor Only.....	127.59	63.80
28 15 19 13-0005	EA	BASE (Central Base Receiving Station), Labor Only.....	191.39	95.69
28 15 19 13-0006	EA	R Base (Remote BASE), Labor Only.....	127.59	63.80
28 15 19 13-0007	EA	R Base + (Remote BASE Plus), Labor Only.....	127.59	63.80
28 15 19 13-0008	EA	DAD (Device Activated Detector), Labor Only.....	42.53	21.25
28 15 19 13-0009	EA	DAD Covers, Labor Only.....	127.59	63.80
28 15 19 13-0010	EA	EDAD (Exterior Device Activated Detector), Labor Only.....	63.80	31.90
28 15 19 13-0011	EA	EDAD Antenna (Directional Antenna), Labor Only.....	95.69	47.85
28 15 19 13-0012	EA	VHF/UHF Antenna, Labor Only.....	255.19	127.59
28 15 19 13-0013	EA	PT (Personal Activation Device (PAL) Tester), Labor Only.....	127.59	63.80

28 16 Access Control Interfaces (28 16)**28 16 11 Access Control Interfaces to Access Control Hardware (28 16)****28 16 11 00-0001 Stand Alone Access Controls (28 16 11)****28 16 11 00-0002 Push Button Controls, Stand Alone Access Controls (28 16 11 00-0001)****28 16 11 00-0003 Interior Mount, Push Button Controls, Stand Alone Access Controls (28 16 11 00-0002)**

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls.....	102.93	31.87
Note: Controls mount to a standard mullion.				
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls.....	106.19	31.87
Note: Controls mount into a single gang electrical box. Excludes electrical box.				
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators.....	124.97	31.87
Note: Controls mount into a single gang electrical box. Excludes electrical box.				

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand Alone Access Controls (28 16 11 00-0002)

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.

28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls.....	120.35	31.87
Note: Controls mount into a single gang electrical box. Excludes electrical box.				
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls.....	516.74	95.59
Note: Includes post, mounting base and push button control. Excludes concrete foundation.				
28 16 11 00-0010	EA	Three Button, Exterior Stand Alone Access Controls For Gate Operators.....	173.97	31.87
Note: Includes open, close and stop controls.				

28 16 11 00-0011 Key Controls, Stand Alone Access Controls (28 16 11 00-0001)**28 16 11 00-0012 Interior Mount, Key Controls, Stand Alone Access Controls (28 16 11 00-0011)**

28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls.....	131.10	31.87
Note: Controls mount into a single gang electrical box. Excludes electrical box.				

28 16 11 00-0014 Exterior Mount, Key Controls, Stand Alone Access Controls (28 16 11 00-0011)

Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.

28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls.....	217.29	63.73
Note: Opens door or gate with a postal or fire department key.				
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls.....	303.85	63.73
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand Alone Access Controls.....	303.85	63.73
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls.....	427.97	63.73

28 16 11 00-0019 Keypad Controls, Stand Alone Access Controls (28 16 11 00-0001)**28 16 11 00-0020 Interior Mount, Keypad Controls, Stand Alone Access Controls (28 16 11 00-0019)**

28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand Alone Access Controls.....	169.89	31.87
Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.				

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

28 16 11 00-0022			Exterior Mount, Keypad Controls, Stand Alone Access Controls (28 16 11 00-0019) Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0023			Keypad Controls, Exterior Stand Alone Access Controls (28 16 11 00-0022)		
28 16 11 00-0024	EA		1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls.....	704.04	127.46
			Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.		
			<i>For Flush Mount, Add</i>	101.05	
28 16 11 00-0025			Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls (28 16 11 00-0022) Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0026	EA		1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls.....	842.07	143.99
			Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.		
			<i>For Flush Mount, Add</i>	124.94	
28 16 11 00-0027			RF Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0028			Exterior Mount, RF Controls, Stand Alone Access Controls (28 16 11 00-0027) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029			RF Receivers, RF Controls, Exterior Stand Alone Access Controls (28 16 11 00-0028) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030	EA		50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	475.39	127.46
28 16 11 00-0031	EA		100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	519.49	127.46
28 16 11 00-0032	EA		250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	561.95	127.46
28 16 11 00-0033	EA		500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	607.68	127.46
28 16 11 00-0034	EA		1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	650.14	127.46
28 16 11 00-0035	EA		5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	695.87	127.46
28 16 11 00-0036	EA		16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	738.34	127.46
28 16 11 00-0037			RF Transmitters, RF Controls, Exterior Stand Alone Access Controls (28 16 11 00-0028)		
28 16 11 00-0038	EA		1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	27.76	
			<i>For >40 To 110, Deduct</i>	-1.39	
			<i>For >110, Deduct</i>	-2.78	
			<i>For Built In Proximity Tags, Add</i>	5.55	
28 16 11 00-0039	EA		2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	29.40	
			<i>For >40 To 110, Deduct</i>	-1.47	
			<i>For >110, Deduct</i>	-2.94	
			<i>For Built In Proximity Tags, Add</i>	5.88	
28 16 11 00-0040	EA		3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	31.03	
			<i>For >40 To 110, Deduct</i>	-1.55	
			<i>For >110, Deduct</i>	-3.10	
			<i>For Built In Proximity Tags, Add</i>	6.21	
28 16 11 00-0041			Accessories For RF Receivers, Exterior Stand Alone Access Controls (28 16 11 00-0028)		
28 16 11 00-0042	EA		Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls.....	230.39	95.59
			Note: Includes 15' of coax cable.		
28 16 11 00-0043	EA		Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls.....	354.51	95.59
			Note: Includes 20' of coax cable.		
28 16 11 00-0044	EA		Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls.....	331.65	95.59
			Note: Includes 15' of coax cable.		
28 16 11 00-0045			Proximity Card Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0046			Exterior Mount, Proximity Card Controls, Stand Alone Access Controls (28 16 11 00-0045) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047			DKS Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0048			DKS Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0047)		
28 16 11 00-0049	EA		DKS Proximity Card Reader, Exterior Stand Alone Access Controls.....	785.70	127.46
28 16 11 00-0050			AWID Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0051			AWID Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0050)		
28 16 11 00-0052	EA		AWID Proximity Card Reader, Exterior Stand Alone Access Controls.....	842.86	127.46
28 16 11 00-0053			HID Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0054			HID Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0053)		
28 16 11 00-0055	EA		HID Proximity Card Reader, Exterior Stand Alone Access Controls.....	973.52	127.46
28 16 11 00-0056			Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0001)		

28 Electronic Safety And Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0057			Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0056)		
28 16 11 00-0058	EA		Magnetic Stripe Reader, Interior Stand Alone Access Controls.....	524.39	127.46
28 16 11 00-0059			Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0056)		
			Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060	EA		Magnetic Stripe Reader, Exterior Stand Alone Access Controls.....	616.61	127.46
28 16 11 00-0061			Other Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0062	EA		Toggle Switch, Interior Access Controls For Gate Operators	100.48	31.87
			Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0063	EA		Request To Exit Detector (Bosch Security Systems DS160).....	106.61	25.49
28 16 11 00-0064			Wiegand Output Access Controls (28 16 11)		
			Note: Excludes controllers.		
28 16 11 00-0065			Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0066			DKS, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0067			DKS, Proximity Cards (28 16 11 00-0066)		
28 16 11 00-0068	EA		Clamshell Type, DKS Proximity Card (DKS 170).....	4.34	
28 16 11 00-0069	EA		ISO Compliant Graphics Card, DKS Proximity Card (DKS 80)	7.16	
28 16 11 00-0070	EA		DKS Proximity Key Fob (DKS 50).....	7.55	
28 16 11 00-0071	EA		Active Tag, DKS Proximity Tag (DKS 150).....	42.68	
			Note: Battery powered tag to boost signal.		
28 16 11 00-0072	EA		Active Tag, DKS Proximity Tag (DKS 200).....	55.64	
			Note: Battery powered tag to boost signal.		
28 16 11 00-0073			DKS, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0066)		
28 16 11 00-0074	EA		Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small).....	405.53	159.32
28 16 11 00-0075	EA		Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion)	405.53	159.32
28 16 11 00-0076	EA		Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang).....	405.53	159.32
28 16 11 00-0077	EA		Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS).....	812.52	159.32
			Note: Includes mounting bracket and 12 VDC regulated power supply.		
28 16 11 00-0078			AWID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0079			AWID, Proximity Cards (28 16 11 00-0078)		
28 16 11 00-0080	EA		Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS).....	3.66	
28 16 11 00-0081	EA		ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR).....	5.72	
28 16 11 00-0082	EA		AWID Proximity Key Fob (AWID Prox-Linc KT)	6.10	
28 16 11 00-0083	EA		Windshield Tag For LR 2000 Readers, AWID Proximity Tag.....	21.34	
28 16 11 00-0084	EA		Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag	21.34	
28 16 11 00-0085			AWID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0078)		
28 16 11 00-0086	EA		Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400).....	455.83	159.32
			Note: For mullion mounting.		
28 16 11 00-0087	EA		Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800)	565.58	159.32
			Note: For mullion mounting.		
28 16 11 00-0088	EA		Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820)	565.58	159.32
			Note: For single gang electrical box mounting.		
28 16 11 00-0089	EA		Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824).....	814.04	159.32
			Note: Includes 12 VDC regulated power supply.		
28 16 11 00-0090	EA		Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000)	3,795.61	159.32
			Note: Includes mounting bracket and 12 VDC regulated power supply.		
28 16 11 00-0091			HID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0092			HID, Proximity Cards (28 16 11 00-0091)		
28 16 11 00-0093	EA		Clamshell Type, HID Proximity Card (HID ProxCard II)	13.98	
28 16 11 00-0094	EA		ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II)	16.72	
28 16 11 00-0095	EA		HID Proximity Key Fob (HID ProxKey II).....	17.03	
28 16 11 00-0096			HID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0091)		
28 16 11 00-0097	EA		Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus).....	454.38	159.32
			Note: For mullion mounting. (HID P/N 6005).		
28 16 11 00-0098	EA		Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II).....	509.22	159.32
			Note: For single gang electrical box mounting. (HID P/N 5395).		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0099	EA		Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx) .....550.35	550.35	159.32
			Note: For mullion mounting. (HID P/N 5365).		
28 16 11 00-0100	EA		EntryProx Single-Door Proximity Access Control .....661.41	661.41	159.32
			Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.		
28 16 11 00-0101			Contactless Smart Card Controls, Wiegand Output Access Controls <small>(28 16 11 00-0064)</small>		
28 16 11 00-0102			HID, Contactless Smart Cards <small>(28 16 11 00-0101)</small>		
28 16 11 00-0103	EA		2K Bits, Clamshell Type, HID iClass, Contactless Smart Card .....6.71	6.71	
28 16 11 00-0104	EA		16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card .....7.32	7.32	
28 16 11 00-0105	EA		16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card .....9.58	9.58	
28 16 11 00-0106	EA		16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card .....5.19	5.19	
			Note: Battery powered tag to boost signal.		
28 16 11 00-0107			HID, Contactless Smart Card Readers, Wiegand Output Access Controls <small>(28 16 11 00-0101)</small>		
28 16 11 00-0108	EA		Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10) .....439.61	439.61	159.32
			Note: For mullion mounting.		
28 16 11 00-0109	EA		Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40) .....540.21	540.21	159.32
			Note: For mullion mounting.		
28 16 11 00-0110	EA		Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40) .....766.57	766.57	159.32
			Note: For mullion mounting.		
28 16 11 00-0111			HID, Contactless Smart Card Programmer, Wiegand Output Access Controls <small>(28 16 11 00-0101)</small>		
28 16 11 00-0112	EA		HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400) .....2,039.71	2,039.71	159.32
			Note: For mullion mounting.		
28 16 11 00-0113			Call Station Controls, Wiegand Output Access Controls <small>(28 16 11 00-0064)</small>		
			Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114	EA		Call Station With Entry Keypad, Exterior Wiegand Output Access Controls .....906.59	906.59	159.32
			Note: For mullion mounting.		
28 16 11 00-0115	EA		Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls .....784.10	784.10	159.32
			Note: For mullion mounting.		
28 16 11 00-0116			Biometrics Readers, Wiegand Output Access Controls <small>(28 16 11 00-0064)</small>		
28 16 11 00-0117	EA		Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls .....3,885.42	3,885.42	127.46
28 16 11 00-0118	EA		CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls .....4,719.69	4,719.69	127.46
28 16 11 00-0119	EA		Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls .....1,931.82	1,931.82	127.46
28 16 11 00-0120	EA		Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass) .....1,087.30	1,087.30	127.46
28 16 11 00-0121	EA		Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox) .....1,195.09	1,195.09	127.46
28 16 11 00-0122	EA		Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart) .....1,087.30	1,087.30	127.46
28 16 11 00-0123			Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11)</small>		
			Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124			2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11 00-0123)</small>		
28 16 11 00-0125	EA		44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls .....225.87	225.87	25.56
			Note: Includes a 5" x 5" base plate.		
28 16 11 00-0126	EA		73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls .....418.59	418.59	25.56
			Note: Includes an 8" x 8" base plate.		
28 16 11 00-0127	EA		Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls .....206.27	206.27	25.56
			Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0128			4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11 00-0123)</small>		
28 16 11 00-0129	EA		59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls .....387.56	387.56	25.56
			Note: Includes an 8" x 8" base plate.		
28 16 11 00-0130	EA		49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls .....459.42	459.42	25.56
			Note: Includes an 8" x 8" base plate and a 14" offset from back of post.		
28 16 11 00-0131	EA		Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls .....287.93	287.93	25.56
			Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0132			4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11 00-0123)</small>		
28 16 11 00-0133	EA		59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls .....1,218.86	1,218.86	25.56
			Note: Includes a 11" x 13" base plate.		

28 Electronic Safety And Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0134	EA		50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	1,276.02	25.56
			Note: Includes a 10" x 14" base plate and a 14" offset from back of post.		
28 16 11 00-0135	EA		Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls	532.91	25.56
			Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0136	EA		48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls	843.22	25.56
28 16 11 00-0137			Magnetic Locks (28 16 11) Note: Excludes access controls.		
28 16 11 00-0138			Magnetic Door Locks (28 16 11 00-0137)		
28 16 11 00-0139			300 LB Magnetic Door Locks (28 16 11 00-0138)		
28 16 11 00-0140	EA		Single Door, Surface Mount, 300 LB Magnetic Door Lock.....	449.26	127.46
28 16 11 00-0141			600 LB Magnetic Door Locks (28 16 11 00-0138)		
28 16 11 00-0142	EA		Single Door, Surface Mount, 600 LB Magnetic Door Lock.....	584.00	127.46
			For LED Status Indicator And Signal Relay, Add	41.14	
			For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	82.27	
			For Mortise Mount, Deduct	-65.82	
28 16 11 00-0143	EA		Dual Doors, Surface Mount, 600 LB Magnetic Door Lock.....	805.30	127.46
			For LED Status Indicator And Signal Relay, Add	68.80	
			For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	137.60	
28 16 11 00-0144			1,200 LB Magnetic Door Locks (28 16 11 00-0138)		
28 16 11 00-0145	EA		Single Door, Surface Mount, 1,200 LB Magnetic Door Lock.....	604.41	127.46
			For LED Status Indicator And Signal Relay, Add	80.39	
			For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	104.85	
28 16 11 00-0146	EA		Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock.....	849.39	127.46
			For LED Status Indicator And Signal Relay, Add	136.73	
			For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	178.34	
28 16 11 00-0147			2,000 LB Shear Lock, Magnetic And Mechanical Locks (28 16 11 00-0138) Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0148	EA		Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock.....	626.46	127.46
28 16 11 00-0149			Magnetic Gate Locks (28 16 11 00-0137)		
28 16 11 00-0150			600 LB Magnetic Gate Locks (28 16 11 00-0149)		
28 16 11 00-0151	EA		600 LB Magnetic Gate Lock.....	503.16	127.46
28 16 11 00-0152			1,200 LB Magnetic Gate Locks (28 16 11 00-0149)		
28 16 11 00-0153	EA		1,200 LB Magnetic Gate Lock.....	577.47	127.46
			For LED Status Indicator And Signal Relay, Add	40.32	
			For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	80.64	
			For Mortise Mount, Deduct	-64.51	
28 16 11 00-0154			Magnetic Lock Power Supply And Chargers (28 16 11 00-0137) Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0155	EA		12/24 Volt DC At 1 Amp, Magnetic Lock Backup Power Supply And Charger.....	408.08	127.46
28 16 11 00-0156	EA		12/24 Volt DC At 2-1/2 Amp, Magnetic Lock Backup Power Supply And Charger.....	482.12	127.46
28 16 11 00-0157	EA		12 Volt DC At 4 Amp And 24 Volt DC At 3 Amp, Magnetic Lock Backup Power Supply And Charger	525.67	127.46
28 16 11 00-0158	EA		12/24 Volt DC At 6 Amp, Magnetic Lock Backup Power Supply And Charger.....	625.84	127.46
28 16 11 00-0159			Access Control Accessories (28 16 11)		
28 16 11 00-0160	EA		Modem: Multitech, Mt2834L.....	1,476.14	
28 16 11 00-0161	EA		6 Volt DC, 12 Volt DC, Or 24 Volt DC, @ 4 Amps, Power Supply/Charger (Altronix SMP-5)	418.43	
28 16 11 00-0162	EA		12 Volt, 7 Amp, Battery	47.40	
28 16 11 00-0163	EA		12 Volt, 18 Amp, Battery	105.65	
28 16 11 00-0164	EA		Door Personality Module (Sensormatic RM-4).....	450.53	31.87
28 16 11 00-0165	EA		Mini-Alert Door Ajar Sounder (System Sensor PA400).....	217.60	63.73
28 16 11 00-0166	EA		Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C)	88.77	38.24
28 16 11 00-0167	EA		Access Control Systems Power Supply (Altronix AL400ULACMCB)	455.34	25.49
28 16 11 00-0168	EA		Surge Suppressor (Tripp-Lite IBAR4)	71.01	6.38
28 16 11 00-0169	EA		Door Strike Relay (Altronix RBSN-TTL)	68.96	25.49
28 16 11 00-0170			Access Controllers (28 16 11)		
28 16 11 00-0171			Microterm Controller (28 16 11 00-0170)		
28 16 11 00-0172	EA		Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICIP1100).....	1,141.05	159.32
			Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.		
28 16 11 00-0173	EA		Microterm PC Board (Continental Instruments CICIP1100PCB)	777.58	95.59
28 16 11 00-0174	EA		Battery Standby For Microterm (Continental Instruments CICIP1100BAT-2)	342.29	
			Note: Input 120VAC, output 12VDC to temporarily power the Microterm only.		
28 16 11 00-0175			Miniterm Controller (28 16 11 00-0170)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0176	EA		Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200).....1,705.68 Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	1,705.68	159.32
28 16 11 00-0177	EA		Miniterm PC Board (Continental Instrument CICIP1200PCB) 1,239.07	1,239.07	95.59
28 16 11 00-0178			Super-2 Controller (28 16 11 00-0170)		
28 16 11 00-0179	EA		Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300) 1,299.74 Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.	1,299.74	159.32
28 16 11 00-0180	EA		Super-Two - PC Board (Continental Instruments CICIP1300BD)..... 851.09	851.09	95.59
28 16 11 00-0181	EA		Network Interface Board For Super-2 (Continental Instruments CICIP1300NETBD) .....276.34 Note: Optional on-board adapter allows for communication over TCP/IP.	276.34	95.59
28 16 11 00-0182			Smarterm Controller (28 16 11 00-0170)		
28 16 11 00-0183	EA		Smarterm Four Reader Processing Panel (Continental Instrument CICIP1400) .....3,453.87 Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	3,453.87	191.19
28 16 11 00-0184	EA		Smarterm PC Board (Continental Instrument CICIP1400PCB) 2,584.24	2,584.24	95.59
28 16 11 00-0185	EA		Smarterm Memory Board - 256K (Continental Instrument CICIP1400MB256-1).....1,039.97 Note: Up to 10,000 cardholders.	1,039.97	95.59
28 16 11 00-0186	EA		Smarterm Memory Board - 2MB (Continental Instrument CICIP1400MB2-1).....1,454.77 Note: Up to 50,000 cardholders.	1,454.77	95.59
28 16 11 00-0187	EA		Smarterm Relay Expander Board (Continental Instrument CICIP1400RB) .....1,143.95 Note: 16 Output relays, 8 alarm inputs.	1,143.95	95.59
28 16 11 00-0188	EA		Smarterm Alarm Expander Board (Continental Instrument CICIP1400RB) .....1,143.95 Note: (Supervised) 16 alarm inputs.	1,143.95	95.59
28 16 11 00-0189			Superterm-4 Controller (28 16 11 00-0170)		
28 16 11 00-0190	EA		Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400UL) .....3,200.75 Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	3,200.75	191.19
28 16 11 00-0191	EA		Superterm-4 PC Board (Continental Instrument CICIP1400ULPCB).....2,541.70	2,541.70	95.59
28 16 11 00-0192			Superterm-8 Controller (28 16 11 00-0170)		
28 16 11 00-0193	EA		Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800) .....4,317.13 Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	4,317.13	318.64
28 16 11 00-0194	EA		Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800EXP).....4,662.80 Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	4,662.80	318.64
28 16 11 00-0195	EA		Superterm-8 PC Board (Continental Instrument CICIP1800PCB) .....3,403.17	3,403.17	95.59
28 16 11 00-0196			Turbo Superterm-4 Controller (28 16 11 00-0170)		
28 16 11 00-0197	EA		Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400ULT) .....3,200.75 Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	3,200.75	191.19
28 16 11 00-0198	EA		Turbo Superterm-4 PC Board (Continental Instrument CICIP1400ULTPCB) .....2,541.70	2,541.70	95.59
28 16 11 00-0199			Turbo Superterm-8 Controller (28 16 11 00-0170)		
28 16 11 00-0200	EA		Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800T).....4,317.13 Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	4,317.13	318.64
28 16 11 00-0201	EA		Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800TEXP) 4,662.80 Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	4,662.80	318.64
28 16 11 00-0202	EA		Turbo Superterm-8 PC Board (Continental Instrument CICIP1800TPCB).....3,403.17	3,403.17	95.59
28 16 11 00-0203	EA		Superterm Memory Board - 2MB (Continental Instrument CICIP1800MB2)..... 1,454.77 Note: Up to 140,000 cardholders.	1,454.77	95.59
28 16 11 00-0204	EA		Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICIP1800MB2X2) .....1,233.53 Note: Up to 140,000 cardholders.	1,233.53	95.59
28 16 11 00-0205	EA		Turbo Superterm-8 Relay Expander Board (Continental Instrument CICIP1800RB).....1,145.06 Note: 16 Output relays, 8 alarm inputs.	1,145.06	95.59
28 16 11 00-0206	EA		Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICIP1800RB).....1,145.06 Note: (Supervised) 16 Alarm inputs.	1,145.06	95.59
28 16 11 00-0207	EA		Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICIP1800PWS) .....443.38	443.38	
28 16 11 00-0208			Intelligent Controller (28 16 11 00-0170)		
28 16 11 00-0209	EA		Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501).....837.45	837.45	95.59
28 16 11 00-0210			Access Control Bundled System (28 16 11)		
28 16 11 00-0211	EA		CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) .....22,419.82 Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	22,419.82	

28 Electronic Safety And Security**28 10 Access Control****28 16 Access Control Interfaces**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**28 20 Video Surveillance** (28)**28 21 Surveillance Cameras** (28 20)

28 21 00 00-0001		Closed Circuit Television And Surveillance Systems (Pelco) <small>(28 21)</small>		
		Note: Includes programming of equipment, testing of new devices and certification.		
28 21 00 00-0002		Cameras And Accessories <small>(28 21 00 00-0001)</small>		
28 21 00 00-0003		Cameras <small>(28 21 00 00-0002)</small>		
28 21 00 00-0004		Compact, 1/3" Format Cameras <small>(28 21 00 00-0003)</small>		
28 21 00 00-0005		High Resolution Color, Compact, 1/3" Format Cameras <small>(28 21 00 00-0004)</small>		
28 21 00 00-0006	EA	Wide Dynamic Range, High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco CCC1390H)	576.80	31.90
28 21 00 00-0007	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	476.76	31.90
28 21 00 00-0008		Day/Night, Compact, 1/3" Format Cameras <small>(28 21 00 00-0004)</small>		
28 21 00 00-0009	EA	High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	289.46	31.90
28 21 00 00-0010		Camerapaks <small>(28 21 00 00-0002)</small>		
		Note: Includes camera and lens.		
28 21 00 00-0011		Camerapaks <small>(28 21 00 00-0010)</small>		
28 21 00 00-0012		High Resolution Color, Camerapaks <small>(28 21 00 00-0011)</small>		
28 21 00 00-0013		Fixed Focus, High Resolution Color, Camerapaks <small>(28 21 00 00-0012)</small>		
28 21 00 00-0014		Manual Iris, Fixed Focus, High Resolution Color, Camerapaks <small>(28 21 00 00-0013)</small>		
28 21 00 00-0015	EA	2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	370.70	31.90
28 21 00 00-0016	EA	2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	349.64	31.90
28 21 00 00-0017	EA	4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	339.86	31.90
28 21 00 00-0018	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	337.60	31.90
28 21 00 00-0019		Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks <small>(28 21 00 00-0013)</small>		
28 21 00 00-0020	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	402.29	31.90
28 21 00 00-0021	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	370.70	31.90
28 21 00 00-0022	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	363.18	31.90
28 21 00 00-0023	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	357.16	31.90
28 21 00 00-0024		Varifocal, High Resolution Color, Camerapaks <small>(28 21 00 00-0012)</small>		
28 21 00 00-0025		Manual Iris, Varifocal, High Resolution Color, Camerapaks <small>(28 21 00 00-0024)</small>		
28 21 00 00-0026	EA	1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	433.13	31.90
28 21 00 00-0027	EA	2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	392.51	31.90
28 21 00 00-0028	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	359.41	31.90
28 21 00 00-0029	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	345.88	31.90
28 21 00 00-0030	EA	5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	396.27	31.90
28 21 00 00-0031		Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks <small>(28 21 00 00-0024)</small>		
28 21 00 00-0032	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	466.23	31.90
28 21 00 00-0033	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	438.40	31.90
28 21 00 00-0034	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	391.01	31.90
28 21 00 00-0035	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	351.14	31.90
28 21 00 00-0036	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	412.07	31.90
28 21 00 00-0037	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	463.22	31.90
28 21 00 00-0038	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	528.66	31.90
28 21 00 00-0039		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks <small>(28 21 00 00-0024)</small>		
28 21 00 00-0040	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	368.44	31.90
28 21 00 00-0041	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	436.89	31.90
28 21 00 00-0042		High Resolution Day/Night, Camerapaks <small>(28 21 00 00-0011)</small>		
28 21 00 00-0043		Varifocal, High Resolution Day/Night, Camerapaks <small>(28 21 00 00-0042)</small>		
28 21 00 00-0044		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks <small>(28 21 00 00-0043)</small>		
28 21 00 00-0045	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	725.74	31.90
28 21 00 00-0046	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	678.35	31.90
28 21 00 00-0047	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	638.48	31.90
28 21 00 00-0048	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	699.41	31.90
28 21 00 00-0049	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	750.56	31.90
28 21 00 00-0050	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	815.25	31.90

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

28 21 00 00-0051			Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 00 00-0043)		
28 21 00 00-0052	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A).....	655.78	31.90
28 21 00 00-0053	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A).....	724.23	31.90
28 21 00 00-0054			Compact Camerapaks (28 21 00 00-0010)		
28 21 00 00-0055			High Resolution Color, Compact Camerapaks (28 21 00 00-0054)		
28 21 00 00-0056			DSS, High Resolution Color, Compact Camerapaks (28 21 00 00-0055)		
28 21 00 00-0057			Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 00 00-0056)		
28 21 00 00-0058			Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 00 00-0057)		
28 21 00 00-0059	EA		2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3).....	567.02	31.90
28 21 00 00-0060	EA		2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8).....	545.96	31.90
28 21 00 00-0061	EA		4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4).....	535.43	31.90
28 21 00 00-0062	EA		8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8).....	533.17	31.90
28 21 00 00-0063			Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 00 00-0057)		
28 21 00 00-0064	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A).....	597.86	31.90
28 21 00 00-0065	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A).....	567.02	31.90
28 21 00 00-0066	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A).....	559.50	31.90
28 21 00 00-0067	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A).....	553.48	31.90
28 21 00 00-0068			Varifocal, DSS, High Resolution Color, Camerapaks (28 21 00 00-0056)		
28 21 00 00-0069			Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 00 00-0068)		
28 21 00 00-0070	EA		1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1).....	629.45	31.90
28 21 00 00-0071	EA		2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2).....	588.08	31.90
28 21 00 00-0072	EA		2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21).....	555.74	31.90
28 21 00 00-0073	EA		3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3).....	542.20	31.90
28 21 00 00-0074	EA		5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5).....	591.84	31.90
28 21 00 00-0075	EA		5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50).....	624.19	31.90
28 21 00 00-0076	EA		5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55).....	700.91	31.90
28 21 00 00-0077			Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 00 00-0068)		
28 21 00 00-0078	EA		1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A).....	661.80	31.90
28 21 00 00-0079	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A).....	634.72	31.90
28 21 00 00-0080	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A).....	587.33	31.90
28 21 00 00-0081	EA		3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A).....	546.71	31.90
28 21 00 00-0082	EA		5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A).....	608.39	31.90
28 21 00 00-0083	EA		5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A).....	659.54	31.90
28 21 00 00-0084	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A).....	724.23	31.90
28 21 00 00-0085			Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 00 00-0068)		
28 21 00 00-0086	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A).....	564.77	31.90
28 21 00 00-0087	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A).....	633.22	31.90
28 21 00 00-0088			EDR, High Resolution Color, Compact Camerapaks (28 21 00 00-0055)		
28 21 00 00-0089			Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 00 00-0089)		
28 21 00 00-0090			Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 00 00-0089)		
28 21 00 00-0091	EA		2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3).....	567.02	31.90
28 21 00 00-0092	EA		2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8).....	428.62	31.90
28 21 00 00-0093	EA		4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4).....	418.09	31.90
28 21 00 00-0094	EA		8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8).....	415.83	31.90
28 21 00 00-0095			Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 00 00-0089)		
28 21 00 00-0096	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A).....	480.52	31.90
28 21 00 00-0097	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A).....	449.68	31.90
28 21 00 00-0098	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A).....	442.16	31.90
28 21 00 00-0099	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A).....	442.16	31.90
28 21 00 00-0100			Varifocal, EDR, High Resolution Color, Camerapaks (28 21 00 00-0088)		

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 21 00 00-0101		Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 00 00-0100)			
28 21 00 00-0102	EA	1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	512.11		31.90
28 21 00 00-0103	EA	2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2).....	470.74		31.90
28 21 00 00-0104	EA	2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21).....	438.40		31.90
28 21 00 00-0105	EA	3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3).....	424.86		31.90
28 21 00 00-0106	EA	5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5).....	474.50		31.90
28 21 00 00-0107	EA	5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50).....	506.85		31.90
28 21 00 00-0108	EA	5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55).....	583.57		31.90
28 21 00 00-0109		Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 00 00-0100)			
28 21 00 00-0110	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	544.46		31.90
28 21 00 00-0111	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A).....	517.38		31.90
28 21 00 00-0112	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A).....	469.24		31.90
28 21 00 00-0113	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A).....	424.37		31.90
28 21 00 00-0114	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A).....	491.05		31.90
28 21 00 00-0115	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A).....	542.20		31.90
28 21 00 00-0116	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A).....	606.89		31.90
28 21 00 00-0117		Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 00 00-0100)			
28 21 00 00-0118	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A).....	447.42		31.90
28 21 00 00-0119	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A).....	515.87		31.90
28 21 00 00-0120		High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0054)			
28 21 00 00-0121		Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0120)			
28 21 00 00-0122		Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0121)			
28 21 00 00-0123	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8).....	524.90		31.90
28 21 00 00-0124		DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0121)			
28 21 00 00-0125	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A).....	589.59		31.90
28 21 00 00-0126	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A).....	558.00		31.90
28 21 00 00-0127		Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0120)			
28 21 00 00-0128		Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0127)			
28 21 00 00-0129	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21).....	546.71		31.90
28 21 00 00-0130	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3).....	533.17		31.90
28 21 00 00-0131	EA	5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50).....	615.91		31.90
28 21 00 00-0132		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0127)			
28 21 00 00-0133	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A).....	625.69		31.90
28 21 00 00-0134	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A).....	578.30		31.90
28 21 00 00-0135	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A).....	538.44		31.90
28 21 00 00-0136	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A).....	599.37		31.90
28 21 00 00-0137	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A).....	650.52		31.90
28 21 00 00-0138	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A).....	715.96		31.90
28 21 00 00-0139		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0127)			
28 21 00 00-0140	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A).....	555.74		31.90
28 21 00 00-0141	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A).....	624.19		31.90
28 21 00 00-0142		Camera Systems (28 21 00 00-0002)			
28 21 00 00-0143		Camera Dome Systems (28 21 00 00-0142)			
28 21 00 00-0144		Spectra®, Pan/Tilt Camera Dome Systems (28 21 00 00-0143)			
28 21 00 00-0145		Spectra®, Pan/Tilt Camera Dome Systems (28 21 00 00-0144)			

Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0146			Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0146)		
28 21 00 00-0147			Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0146)		
28 21 00 00-0148	EA		22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	2,359.56	191.39
28 21 00 00-0149	EA		22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	2,667.96	191.39
28 21 00 00-0150	EA		22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	2,806.37	191.39
28 21 00 00-0151	EA		22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	3,841.40	191.39
28 21 00 00-0152			Color, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0146)		
28 21 00 00-0153	EA		16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	2,009.79	191.39
28 21 00 00-0154	EA		16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	2,165.49	191.39
28 21 00 00-0155	EA		16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	2,304.65	191.39
28 21 00 00-0156	EA		16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	2,384.38	191.39
28 21 00 00-0157	EA		16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	2,384.38	191.39
28 21 00 00-0158	EA		22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	2,491.95	191.39
28 21 00 00-0159	EA		22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	2,801.10	191.39
28 21 00 00-0160	EA		22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	2,940.26	191.39
28 21 00 00-0161	EA		22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	3,019.99	191.39
28 21 00 00-0162	EA		22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	3,019.99	191.39
28 21 00 00-0163			Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0146)		
28 21 00 00-0164	EA		23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	2,877.83	191.39
28 21 00 00-0165	EA		23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	3,186.98	191.39
28 21 00 00-0166	EA		23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	3,326.14	191.39
28 21 00 00-0167	EA		23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	3,405.87	191.39
28 21 00 00-0168	EA		23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	3,405.87	191.39
28 21 00 00-0169			Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0146)		
28 21 00 00-0170	EA		18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	2,625.09	191.39
28 21 00 00-0171	EA		18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	2,781.55	191.39
28 21 00 00-0172	EA		18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	2,919.95	191.39
28 21 00 00-0173	EA		18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	2,999.68	191.39
28 21 00 00-0174	EA		18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	2,999.68	191.39
28 21 00 00-0175	EA		35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	3,131.32	191.39
28 21 00 00-0176	EA		35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	3,377.29	191.39
28 21 00 00-0177	EA		35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	3,515.69	191.39
28 21 00 00-0178	EA		35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	3,595.43	191.39
28 21 00 00-0179	EA		35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	3,595.43	191.39
28 21 00 00-0180			Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0145)		
28 21 00 00-0181			Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0180)		
28 21 00 00-0182	EA		16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF)	2,571.68	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0183	EA		16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP)	2,705.57	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0184	EA		16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE)	2,812.39	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0185	EA		22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF)	3,160.65	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0186	EA		22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP)	3,294.55	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0187	EA		22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE)	3,402.11	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0188			Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0180)		
28 21 00 00-0189	EA		18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF)	3,186.98	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0190	EA		18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP)	3,320.87	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0191	EA		18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE)	3,428.44	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0192	EA		35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF)	3,736.84	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0193	EA		35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP)	3,869.98	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0194	EA		35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE)	3,977.54	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0195			Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0145)		

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 00 00-0196		Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0196)</small>			
28 21 00 00-0197	EA	18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE).....	4,174.62		191.39
28 21 00 00-0198	EA	35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE).....	4,724.48		191.39
28 21 00 00-0199		Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0145)</small>			
28 21 00 00-0200		Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0199)</small>			
28 21 00 00-0201	EA	22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE).....	3,646.58		191.39
28 21 00 00-0202		Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0199)</small>			
28 21 00 00-0203	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE).....	3,190.74		191.39
28 21 00 00-0204	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE).....	3,780.47		191.39
28 21 00 00-0205		Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0199)</small>			
28 21 00 00-0206	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE).....	4,166.35		191.39
28 21 00 00-0207		Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0199)</small>			
28 21 00 00-0208	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE).....	3,806.79		191.39
28 21 00 00-0209	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE).....	4,355.90		191.39
28 21 00 00-0210		Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0145)</small>			
28 21 00 00-0211		Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0210)</small>			
28 21 00 00-0212	EA	10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B).....	1,538.91		191.39
28 21 00 00-0213		Spectra® IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0144)</small>			
		Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.			
28 21 00 00-0214		Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0213)</small>			
28 21 00 00-0215		Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0214)</small>			
28 21 00 00-0216	EA	16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F).....	2,727.39		191.39
28 21 00 00-0217	EA	16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB).....	2,866.54		191.39
28 21 00 00-0218	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E).....	2,946.28		191.39
28 21 00 00-0219	EA	16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E).....	2,946.28		191.39
28 21 00 00-0220	EA	22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1).....	3,363.00		191.39
28 21 00 00-0221	EA	22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1).....	3,502.15		191.39
28 21 00 00-0222	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1).....	3,581.89		191.39
28 21 00 00-0223	EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1).....	3,581.89		191.39
28 21 00 00-0224		Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0214)</small>			
28 21 00 00-0225	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1).....	3,748.88		191.39
28 21 00 00-0226	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1).....	3,888.03		191.39
28 21 00 00-0227	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1).....	3,967.77		191.39
28 21 00 00-0228	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1).....	3,967.77		191.39
28 21 00 00-0229		Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0213)</small>			
28 21 00 00-0230		Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0229)</small>			
28 21 00 00-0231	EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1).....	3,133.58		191.39
		For Protective Lower Dome Cage, Add	34.65		
28 21 00 00-0232	EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1).....	3,267.47		191.39
		For Protective Lower Dome Cage, Add	34.65		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0233	EA		16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1)	3,374.28	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0234	EA		22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1)	3,722.55	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0235	EA		22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)	3,856.44	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0236	EA		22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)	3,964.00	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0237			Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0229)</small>		
28 21 00 00-0238	EA		18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)	3,748.88	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0239	EA		18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)	3,882.77	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0240	EA		18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)	3,990.33	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0241	EA		35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)	4,298.73	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0242	EA		35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)	4,431.87	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0243	EA		35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)	4,539.44	191.39
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0244			Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0213)</small>		
28 21 00 00-0245			Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 21 00 00-0244)</small>		
28 21 00 00-0246	EA		16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1)	3,752.64	191.39
28 21 00 00-0247	EA		22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1)	4,342.36	191.39
28 21 00 00-0248			Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 21 00 00-0244)</small>		
28 21 00 00-0249	EA		23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	4,728.24	191.39
28 21 00 00-0250			Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 21 00 00-0244)</small>		
28 21 00 00-0251	EA		18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1)	4,368.69	191.39
28 21 00 00-0252	EA		35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	4,917.79	191.39
28 21 00 00-0253			Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0213)</small>		
28 21 00 00-0254			Color, Miniature Spectra® IP Network, Mini Camera Dome Systems <small>(28 21 00 00-0253)</small>		
28 21 00 00-0255	EA		10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1)	1,901.47	191.39
28 21 00 00-0256			Spectra®, Pan/Tilt Dome Drives <small>(28 21 00 00-0144)</small>		
			Note: Includes dome drive, camera and lens.		
28 21 00 00-0257	EA		10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	1,418.71	159.49
28 21 00 00-0258	EA		10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	1,779.76	159.49
28 21 00 00-0259	EA		22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22)	2,225.82	159.49
28 21 00 00-0260	EA		16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16)	1,769.98	159.49
28 21 00 00-0261	EA		22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22)	2,358.96	159.49
28 21 00 00-0262	EA		18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	2,385.28	159.49
28 21 00 00-0263	EA		23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	2,744.83	159.49
28 21 00 00-0264	EA		35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	2,935.14	159.49
28 21 00 00-0265	EA		35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	2,935.14	159.49
28 21 00 00-0266			Accessories For Spectra® Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0144)</small>		
28 21 00 00-0267	EA		Upgrade To Chrome Lower Dome (Pelco Spectra)	106.06	
28 21 00 00-0268	EA		Upgrade To Gold Lower Dome (Pelco Spectra)	138.40	
28 21 00 00-0269	EA		Wall Mount For Spectra® Systems (Pelco IWM-BK)	125.17	15.95
28 21 00 00-0270	EA		24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	300.44	15.95
28 21 00 00-0271	EA		Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	122.16	15.95
28 21 00 00-0272	EA		Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	270.20	15.95

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 00 00-0273	EA	Pole Mount Adapter For Spectra® Systems (Pelco PA402)	70.74		9.49
28 21 00 00-0274		Camclosure® , Camera Dome Systems (28 21 00 00-0143)			
28 21 00 00-0275		Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0274)			
28 21 00 00-0276		Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0275)			
28 21 00 00-0277		High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0276)			
28 21 00 00-0278	EA	12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12)	649.81		191.39
28 21 00 00-0279	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	694.94		191.39
28 21 00 00-0280	EA	12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12)	758.88		191.39
28 21 00 00-0281	EA	12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12)	758.88		191.39
28 21 00 00-0282		Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0276)			
28 21 00 00-0283	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22)	767.15		191.39
28 21 00 00-0284	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22)	825.83		191.39
28 21 00 00-0285	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22)	825.83		191.39
28 21 00 00-0286		Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0276)			
28 21 00 00-0287	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22)	861.93		191.39
28 21 00 00-0288	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	1,007.11		191.39
28 21 00 00-0289	EA	9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	1,007.11		191.39
28 21 00 00-0290		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0276)			
28 21 00 00-0291	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	931.13		191.39
28 21 00 00-0292	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	1,024.41		191.39
28 21 00 00-0293		Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 00 00-0275)			
28 21 00 00-0294		High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 00 00-0293)			
28 21 00 00-0295	EA	3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	664.39		127.59
28 21 00 00-0296		Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 00 00-0293)			
28 21 00 00-0297	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	749.39		127.59
28 21 00 00-0298		Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 00 00-0293)			
28 21 00 00-0299	EA	9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22)	817.08		127.59
28 21 00 00-0300		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 00 00-0293)			
28 21 00 00-0301	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22)	850.93		127.59
28 21 00 00-0302		Camclosure® IS Integrated Cameras (28 21 00 00-0275)			
28 21 00 00-0303	EA	12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	491.38		127.59
28 21 00 00-0304	EA	9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22)	491.38		127.59
28 21 00 00-0305	EA	9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22)	558.33		127.59
28 21 00 00-0306	EA	9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22)	739.61		127.59
28 21 00 00-0307	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	756.91		127.59
28 21 00 00-0308		Camclosure® ICS Integrated, Camera Dome Systems (28 21 00 00-0274)			
28 21 00 00-0309		Camclosure® ICS Integrated, Camera Dome Systems (28 21 00 00-0308)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0310			Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 00 00-0309)</small>		
28 21 00 00-0311	EA		12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	575.34	191.39
28 21 00 00-0312	EA		12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	607.69	191.39
28 21 00 00-0313	EA		12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	737.07	191.39
28 21 00 00-0314	EA		12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	737.07	191.39
28 21 00 00-0315			High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 00 00-0309)</small>		
28 21 00 00-0316	EA		3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	882.24	191.39
28 21 00 00-0317			Camclosure® ICS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0308)</small>		
28 21 00 00-0318			Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0317)</small>		
28 21 00 00-0319	EA		12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	609.48	127.59
28 21 00 00-0320			Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 00 00-0308)</small>		
28 21 00 00-0321			High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 00 00-0320)</small>		
28 21 00 00-0322	EA		9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	825.83	191.39
28 21 00 00-0323			Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 00 00-0320)</small>		
28 21 00 00-0324	EA		9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22)	893.52	191.39
28 21 00 00-0325			Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 00 00-0320)</small>		
28 21 00 00-0326	EA		9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	978.52	191.39
28 21 00 00-0327			Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 00 00-0320)</small>		
28 21 00 00-0328	EA		9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22)	1,012.37	191.39
28 21 00 00-0329			Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0274)</small>		
28 21 00 00-0330			Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0329)</small>		
28 21 00 00-0331			High Resolution Color, Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0330)</small>		
28 21 00 00-0332	EA		3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,385.46	191.39
28 21 00 00-0333	EA		9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,385.46	191.39
28 21 00 00-0334			Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0330)</small>		
28 21 00 00-0335	EA		3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	1,478.74	191.39
28 21 00 00-0336	EA		9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	1,478.74	191.39
28 21 00 00-0337			Day/Night, Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0330)</small>		
28 21 00 00-0338	EA		3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	1,622.41	191.39
28 21 00 00-0339	EA		9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	1,622.41	191.39
28 21 00 00-0340			Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0330)</small>		
28 21 00 00-0341	EA		3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	1,723.95	191.39
28 21 00 00-0342	EA		9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	1,723.95	191.39

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 21 00 00-0343		Accessories For Camclosure® Camera Dome Systems (28 21 00 00-0274)			
28 21 00 00-0344	EA	4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	32.68		9.57
28 21 00 00-0345	EA	4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	32.68		9.57
28 21 00 00-0346	EA	Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	45.44		15.95
28 21 00 00-0347	EA	Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	66.50		15.95
28 21 00 00-0348	EA	2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	64.27		9.57
28 21 00 00-0349	EA	Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	66.50		15.95
28 21 00 00-0350	EA	Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM)	81.55		15.95
28 21 00 00-0351	EA	Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	211.23		31.90
28 21 00 00-0352	EA	Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	211.23		31.90
28 21 00 00-0353	EA	Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	211.23		31.90
28 21 00 00-0354	EA	Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	211.23		31.90
28 21 00 00-0355	EA	Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	77.78		15.95
28 21 00 00-0356	EA	Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	97.65		31.90
28 21 00 00-0357	EA	Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	97.65		31.90
28 21 00 00-0358	EA	Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	97.65		31.90
28 21 00 00-0359	EA	Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	97.65		31.90
28 21 00 00-0360	EA	Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	97.65		31.90
28 21 00 00-0361	EA	Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	97.65		31.90
28 21 00 00-0362	EA	Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	280.33		43.57
28 21 00 00-0363	EA	Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	58.23		15.95
28 21 00 00-0364	EA	Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	92.08		15.95
28 21 00 00-0365	EA	White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P)	58.23		15.95
28 21 00 00-0366	EA	White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	92.08		15.95
28 21 00 00-0367	EA	Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC)	1,300.46		191.39
28 21 00 00-0368		Pan/Tilt Camera Systems (28 21 00 00-0142)			
28 21 00 00-0369		Esprit® CBZ, Pan/Tilt Camera Systems (28 21 00 00-0368)			
		Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.			
28 21 00 00-0370		EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 21 00 00-0369)			
28 21 00 00-0371		Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 21 00 00-0370)			
28 21 00 00-0372	EA	10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N)	3,517.53		287.09
28 21 00 00-0373	EA	20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N)	3,969.60		287.09
28 21 00 00-0374	EA	30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N)	4,596.18		287.09
28 21 00 00-0375	EA	10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)	3,614.56		287.09
28 21 00 00-0376	EA	20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)	4,086.94		287.09
28 21 00 00-0377	EA	30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)	4,713.53		287.09
28 21 00 00-0378		Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 21 00 00-0370)			
28 21 00 00-0379	EA	10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W)	3,548.37		287.09
28 21 00 00-0380	EA	20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W)	4,000.44		287.09
28 21 00 00-0381	EA	30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W)	4,627.02		287.09
28 21 00 00-0382	EA	10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW)	3,646.15		287.09
28 21 00 00-0383	EA	20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW)	4,117.78		287.09
28 21 00 00-0384	EA	30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW)	4,744.37		287.09
28 21 00 00-0385		Esprit® CLZ, Pan/Tilt Camera Systems (28 21 00 00-0368)			
28 21 00 00-0386		DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 00 00-0385)			
28 21 00 00-0387		Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 00 00-0386)			
28 21 00 00-0388	EA	10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N)	3,634.87		287.09
28 21 00 00-0389	EA	20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N)	4,086.94		287.09
28 21 00 00-0390	EA	30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N)	4,713.53		287.09
28 21 00 00-0391	EA	10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN)	3,731.91		287.09
28 21 00 00-0392	EA	20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN)	4,204.29		287.09
28 21 00 00-0393	EA	30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN)	4,830.87		287.09

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

28 21 00 00-0394			Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0394)</small>		
28 21 00 00-0395	EA		10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....	3,665.71	287.09
28 21 00 00-0396	EA		20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....	4,117.78	287.09
28 21 00 00-0397	EA		30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....	4,744.37	287.09
28 21 00 00-0398	EA		10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....	3,763.50	287.09
28 21 00 00-0399	EA		20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....	4,235.13	287.09
28 21 00 00-0400	EA		30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....	4,861.71	287.09

28 21 00 00-0401			Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0368)</small>		
28 21 00 00-0402			High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0401)</small>		
28 21 00 00-0403			Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0402)</small>		
28 21 00 00-0404	EA		6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N).....	3,438.55	287.09
28 21 00 00-0405	EA		5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N).....	3,890.62	287.09
28 21 00 00-0406	EA		5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N).....	4,517.20	287.09
28 21 00 00-0407	EA		6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN).....	3,536.33	287.09
28 21 00 00-0408	EA		5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN).....	4,007.96	287.09
28 21 00 00-0409	EA		5.5 x 30, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN).....	4,634.55	287.09

28 21 00 00-0410			Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0402)</small>		
28 21 00 00-0411	EA		6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	3,470.14	287.09
28 21 00 00-0412	EA		5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W).....	3,921.46	287.09
28 21 00 00-0413	EA		5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W).....	4,548.79	287.09
28 21 00 00-0414	EA		6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW).....	3,491.95	287.09
28 21 00 00-0415	EA		6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	3,567.17	287.09
28 21 00 00-0416	EA		5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW).....	4,038.80	287.09
28 21 00 00-0417	EA		5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW).....	4,666.14	287.09

28 21 00 00-0418			Esprit® AMZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0368)</small>		
28 21 00 00-0419			Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0418)</small>		
28 21 00 00-0420			Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0419)</small>		
28 21 00 00-0421	EA		5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N).....	4,077.92	287.09
28 21 00 00-0422	EA		5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N).....	4,704.50	287.09
28 21 00 00-0423	EA		6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN).....	3,723.63	287.09
28 21 00 00-0424	EA		5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN).....	4,195.26	287.09
28 21 00 00-0425	EA		5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN).....	4,821.84	287.09

28 21 00 00-0426			Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0419)</small>		
28 21 00 00-0427	EA		6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W).....	3,657.44	287.09
28 21 00 00-0428	EA		5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W).....	4,108.76	287.09
28 21 00 00-0429	EA		5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W).....	4,736.09	287.09
28 21 00 00-0430	EA		6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW).....	3,754.47	287.09
28 21 00 00-0431	EA		5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW).....	4,226.10	287.09
28 21 00 00-0432	EA		5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW).....	4,853.44	287.09

28 21 00 00-0433			Esprit® KWZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0368)</small>		
28 21 00 00-0434			Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0433)</small>		
28 21 00 00-0435			Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0434)</small>		
28 21 00 00-0436	EA		5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N).....	4,804.54	287.09
28 21 00 00-0437	EA		6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN).....	3,822.92	287.09
28 21 00 00-0438	EA		5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN).....	4,921.89	287.09

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 00 00-0439		Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 00 00-0434)			
28 21 00 00-0440	EA	6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W).....	3,756.73		287.09
28 21 00 00-0441	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W).....	4,836.14		287.09
28 21 00 00-0442	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW).....	3,854.51		287.09
28 21 00 00-0443	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW).....	4,326.14		287.09
28 21 00 00-0444	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW).....	4,953.48		287.09
28 21 00 00-0445		Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0368)			
28 21 00 00-0446		Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0445)			
28 21 00 00-0447		Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0446)			
28 21 00 00-0448	EA	16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N)	4,071.90		287.09
28 21 00 00-0449		Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0446)			
28 21 00 00-0450	EA	16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	4,102.74		287.09
28 21 00 00-0451		High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0445)			
28 21 00 00-0452		Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0451)			
28 21 00 00-0453	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	4,804.54		287.09
28 21 00 00-0454	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N).....	4,651.09		287.09
28 21 00 00-0455	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N).....	5,264.14		287.09
28 21 00 00-0456		Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0451)			
28 21 00 00-0457	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	4,834.63		287.09
28 21 00 00-0458	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W).....	4,651.09		287.09
28 21 00 00-0459	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W).....	5,297.99		287.09
28 21 00 00-0460		Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0368)			
28 21 00 00-0461		High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0460)			
28 21 00 00-0462		Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0461)			
28 21 00 00-0463	EA	16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N).....	3,170.01		287.09
28 21 00 00-0464	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N).....	3,903.41		287.09
28 21 00 00-0465	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N).....	3,752.21		287.09
28 21 00 00-0466	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N).....	4,229.86		287.09
28 21 00 00-0467		Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0461)			
28 21 00 00-0468	EA	16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W)	3,200.10		287.09
28 21 00 00-0469	EA	22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W)	3,934.25		287.09
28 21 00 00-0470	EA	24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W)	3,783.06		287.09
28 21 00 00-0471	EA	35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W)	4,263.71		287.09
28 21 00 00-0472		Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0368)			
28 21 00 00-0473		Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0472)			
28 21 00 00-0474		Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0473)			
28 21 00 00-0475	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N).....	19,459.66		287.09
28 21 00 00-0476	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	20,913.66		287.09
28 21 00 00-0477	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	21,401.84		287.09
28 21 00 00-0478		Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0473)			
28 21 00 00-0479	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W).....	19,491.25		287.09
28 21 00 00-0480	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	20,944.50		287.09
28 21 00 00-0481	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W).....	21,432.68		287.09
28 21 00 00-0482		Accessories For Esprit® Pan/Tilt Camera Systems (28 21 00 00-0368)			
28 21 00 00-0483	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	10.37		3.19
28 21 00 00-0484	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	58.23		15.95
28 21 00 00-0485	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM).....	85.31		15.95
28 21 00 00-0486	EA	Wall Mount For High Security Enclosures (Pelco HSWM12)	105.62		15.95
28 21 00 00-0487	EA	Ground Isolation Transformer (Pelco GIT100).....	332.98		43.57
28 21 00 00-0488	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100)	536.08		43.57
28 21 00 00-0489	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000)	387.89		43.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0490	EA		High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500).....	618.91	43.57
28 21 00 00-0491	EA		High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	312.67	43.57
28 21 00 00-0492	EA		High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134)	877.55	43.57
28 21 00 00-0493	EA		Bullet-Resistant, Outdoor Enclosure (Pelco HS4514).....	1,095.71	43.57
28 21 00 00-0494	EA		Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT)	1,292.04	43.57
28 21 00 00-0495	EA		24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24).....	1,336.42	43.57
28 21 00 00-0496	EA		35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35).....	1,406.37	43.57
28 21 00 00-0497	EA		24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2)	2,208.55	43.57
28 21 00 00-0498	EA		24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,234.50	43.57
28 21 00 00-0499	EA		24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,259.41	43.57
28 21 00 00-0500	EA		30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	4,291.06	43.57
28 21 00 00-0501	EA		30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	4,408.40	43.57
28 21 00 00-0502	EA		Esprit® Camera Pole Mount Adapter (Pelco EPM)	105.70	10.26
28 21 00 00-0503	EA		Pole Mount Adapter For Esprit® Systems (Pelco EPM)	105.70	10.26
28 21 00 00-0504			Camera Lenses (28 21 00 00-0002)		
28 21 00 00-0505			Fixed Focus Camera Lenses (28 21 00 00-0504) Note: 1/3" format and manual focus.		
28 21 00 00-0506			Manual Iris, Fixed Focus Camera Lenses (28 21 00 00-0505)		
28 21 00 00-0507	EA		2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3).....	141.12	14.97
28 21 00 00-0508	EA		2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8).....	120.06	14.97
28 21 00 00-0509	EA		4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4).....	109.53	14.97
28 21 00 00-0510	EA		8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8).....	107.27	14.97
28 21 00 00-0511			Direct Drive Auto Iris, Fixed Focus Camera Lenses (28 21 00 00-0505) Note: Includes spot filter. Excludes amplifier.		
28 21 00 00-0512	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3).....	171.96	14.97
28 21 00 00-0513	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8).....	141.12	14.97
28 21 00 00-0514	EA		4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4).....	133.60	14.97
28 21 00 00-0515	EA		8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8).....	100.50	14.97
28 21 00 00-0516			Video Drive Auto Iris, Fixed Focus Camera Lenses (28 21 00 00-0505) Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 00 00-0517	EA		2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S).....	199.79	14.97
28 21 00 00-0518	EA		2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S).....	168.20	14.97
28 21 00 00-0519	EA		4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S).....	160.67	14.97
28 21 00 00-0520	EA		8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S).....	154.66	14.97
28 21 00 00-0521			Varifocal Camera Lenses (28 21 00 00-0504) Note: 1/3" format and manual focus and zoom.		
28 21 00 00-0522			Manual Iris, Varifocal Camera Lenses (28 21 00 00-0521)		
28 21 00 00-0523	EA		1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3).....	222.62	14.97
28 21 00 00-0524	EA		2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6).....	162.18	14.97
28 21 00 00-0525	EA		2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12).....	129.83	14.97
28 21 00 00-0526	EA		3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8).....	116.30	14.97
28 21 00 00-0527	EA		5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5).....	275.01	14.97
28 21 00 00-0528	EA		5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40).....	174.67	14.97
28 21 00 00-0529	EA		5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50).....	185.57	14.97
28 21 00 00-0530			Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 00 00-0521) Note: Includes spot filter.		
28 21 00 00-0531	EA		1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3).....	218.99	14.97
28 21 00 00-0532	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6).....	194.29	14.97
28 21 00 00-0533	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12).....	150.70	14.97
28 21 00 00-0534	EA		3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8).....	114.37	14.97
28 21 00 00-0535	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5).....	298.33	14.97
28 21 00 00-0536	EA		5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50).....	216.81	14.97
28 21 00 00-0537			Video Drive Auto Iris, Varifocal Camera Lenses (28 21 00 00-0521) Note: Includes spot filter.		
28 21 00 00-0538	EA		1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S).....	263.73	14.97
28 21 00 00-0539	EA		2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S).....	235.89	14.97
28 21 00 00-0540	EA		3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S).....	148.64	14.97
28 21 00 00-0541	EA		5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S).....	260.72	14.97
28 21 00 00-0542			Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 00 00-0521)		
28 21 00 00-0543	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5).....	131.08	14.97
28 21 00 00-0544	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50).....	192.84	14.97
28 21 00 00-0545			Motorized Zoom Camera Lenses (28 21 00 00-0504) Note: 1/3" format.		
28 21 00 00-0546			Manual Iris, Motorized Zoom Camera Lenses (28 21 00 00-0545)		
28 21 00 00-0547	EA		8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8).....	464.56	14.97

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0548	EA		10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10).....	575.89	14.97
28 21 00 00-0549	EA		15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15).....	612.75	14.97
28 21 00 00-0550			Direct Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 00 00-0545)		
			Note: Includes spot filter.		
28 21 00 00-0551	EA		6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8).....	498.70	14.97
28 21 00 00-0552	EA		10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10).....	574.99	14.97
28 21 00 00-0553	EA		15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15).....	675.18	14.97
28 21 00 00-0554	EA		20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20).....	980.39	14.97
28 21 00 00-0555	EA		30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30).....	1,937.23	14.97
28 21 00 00-0556			Video Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 00 00-0545)		
			Note: Includes spot filter.		
28 21 00 00-0557	EA		8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S).....	475.85	14.97
28 21 00 00-0558	EA		10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S).....	563.10	14.97
28 21 00 00-0559	EA		15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S).....	703.01	14.97
28 21 00 00-0560	EA		20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S).....	1,015.17	14.97
28 21 00 00-0561	EA		30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S).....	1,641.76	14.97
28 21 00 00-0562			Camera Power Supplies (28 21 00 00-0002)		
28 21 00 00-0563	EA		20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000).....	39.05	12.76
28 21 00 00-0564	EA		50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000).....	61.62	12.76
28 21 00 00-0565	EA		2 Amp, 4 Outputs, Camera Power Supply (Pelco MCS4-2).....	287.16	25.51
28 21 00 00-0566	EA		5 Amp, 8 Outputs, Camera Power Supply (Pelco MCS8-5).....	334.47	38.28
28 21 00 00-0567	EA		10 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-10).....	379.61	51.04
			For Switchable Outputs, Add	166.52	
28 21 00 00-0568	EA		20 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-20).....	426.92	63.80
			For Switchable Outputs, Add	179.60	
28 21 00 00-0569			Camera Illuminators (28 21 00 00-0002)		
28 21 00 00-0570			Camera Illuminators (28 21 00 00-0569)		
			Note: Includes lamp and mounting bracket.		
28 21 00 00-0571	EA		Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF).....	1,203.41	25.51
28 21 00 00-0572	EA		Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS).....	1,203.41	25.51
28 21 00 00-0573	EA		Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF).....	1,203.41	25.51
28 21 00 00-0574			Camera Illuminator Accessories (28 21 00 00-0569)		
28 21 00 00-0575	EA		Replacement Lamp For Low Light Level Camera Illuminator (Pelco PAR56).....	114.98	25.51
28 21 00 00-0576			Camera Receivers (28 21 00 00-0002)		
28 21 00 00-0577	EA		24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP).....	1,207.04	43.57
28 21 00 00-0578	EA		120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP).....	1,207.04	43.57
28 21 00 00-0579			Pan And Tilt Drives (28 21 00 00-0002)		
28 21 00 00-0580	EA		15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P).....	878.15	95.69
28 21 00 00-0581	EA		40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P).....	1,097.79	95.69
			For Preset Positioning, Add	165.00	
28 21 00 00-0582	EA		100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P).....	2,250.16	95.69
			For Preset Positioning, Add	165.00	
28 21 00 00-0583	EA		100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC).....	2,562.32	95.69
			For Preset Positioning, Add	165.00	
28 21 00 00-0584	EA		100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL).....	2,954.97	95.69
			For Preset Positioning, Add	165.00	
28 21 00 00-0585	EA		100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX).....	3,789.91	95.69
			For Preset Positioning, Add	165.00	
28 21 00 00-0586			Scanners (28 21 00 00-0002)		
28 21 00 00-0587	EA		35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24).....	993.24	95.69
			For Wall Mount, Add	39.05	
			For Pressure Sensor Alarm, Add	51.15	
28 21 00 00-0588	EA		35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20).....	1,040.62	95.69
			For Wall Mount, Add	39.05	
			For Pressure Sensor Alarm, Add	51.15	
28 21 00 00-0589			Camera Monitors (28 21 00 00-0001)		
28 21 00 00-0590			Camera Monitors (28 21 00 00-0589)		
28 21 00 00-0591			Monochrome Camera Monitors (28 21 00 00-0590)		
28 21 00 00-0592	EA		9" Monochrome Camera Monitor (Pelco PMM9A).....	193.99	19.14
28 21 00 00-0593	EA		12" Monochrome Camera Monitor (Pelco PMM12A).....	220.31	19.14
28 21 00 00-0594	EA		15" Monochrome Camera Monitor (Pelco PMM15A).....	331.64	19.14
28 21 00 00-0595	EA		20" Monochrome Camera Monitor (Pelco PMM20A).....	526.46	19.14
28 21 00 00-0596			Color Camera Monitors (28 21 00 00-0590)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0597	EA		9", High Resolution Color, Camera Monitor (Pelco PMC9A)	592.65	19.14
28 21 00 00-0598	EA		15", High Resolution Color, Camera Monitor (Pelco PMCS15A)	482.83	19.14
28 21 00 00-0599	EA		17", High Resolution Color, Camera Monitor (Pelco PMCS17A)	696.46	19.14
28 21 00 00-0600	EA		19", High Resolution Color, Camera Monitor (Pelco PMCS19A)	922.12	19.14
28 21 00 00-0601			LCD Camera Monitors (28 21 00 00-0599)		
28 21 00 00-0602			VGA Signal, Color LCD Camera Monitors (Pelco 200 Series) (28 21 00 00-0601)		
			Note: Displays VGA computer signals.		
28 21 00 00-0603	EA		17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	668.62	19.14
28 21 00 00-0604	EA		19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	867.20	19.14
28 21 00 00-0605			Multimode, Color LCD Camera Monitors (Pelco 300 Series) (28 21 00 00-0601)		
			Note: Displays VGA computer signals and/or composite video signals.		
28 21 00 00-0606	EA		15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	758.89	19.14
28 21 00 00-0607	EA		17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	906.32	19.14
28 21 00 00-0608	EA		19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,112.42	19.14
28 21 00 00-0609			Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series) (28 21 00 00-0601)		
			Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 00 00-0610	EA		15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	971.01	19.14
28 21 00 00-0611	EA		17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,124.46	19.14
28 21 00 00-0612	EA		19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	1,408.04	19.14
28 21 00 00-0613			Camera Monitor Mounting Accessories (28 21 00 00-0599)		
28 21 00 00-0614			Camera Monitor Mounts (28 21 00 00-0613)		
28 21 00 00-0615	EA		Up To 14", Camera Monitor Mount (Pelco)	239.09	25.51
28 21 00 00-0616	EA		>14" To 17", Camera Monitor Mount (Pelco)	275.95	25.51
28 21 00 00-0617	EA		>17" To 21", Camera Monitor Mount (Pelco)	321.08	25.51
28 21 00 00-0618			Camera Monitor Rack Mount Kits (28 21 00 00-0613)		
28 21 00 00-0619	EA		Camera Monitor Rack Mount Kit (Pelco PMCL-RM)	151.08	25.51
28 21 00 00-0620			Video Transmission Equipment (28 21 00 00-0001)		
28 21 00 00-0621			UTP Cable, Video Transmission Equipment (28 21 00 00-0620)		
28 21 00 00-0622			UTP Cable, Active Video Receivers (28 21 00 00-0621)		
28 21 00 00-0623	EA		Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	300.74	31.90
28 21 00 00-0624	EA		Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR)	987.50	31.90
28 21 00 00-0625	EA		Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	1,923.99	31.90
28 21 00 00-0626	EA		Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	3,147.82	31.90
28 21 00 00-0627	EA		Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	3,672.10	31.90
28 21 00 00-0628			UTP Cable, Passive Video Transceivers (28 21 00 00-0621)		
28 21 00 00-0629	EA		Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	102.16	31.90
28 21 00 00-0630	EA		Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P)	300.74	31.90
28 21 00 00-0631	EA		Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	538.44	31.90
28 21 00 00-0632	EA		Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P)	1,006.31	31.90
28 21 00 00-0633	EA		Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P)	1,949.57	31.90
28 21 00 00-0634			UTP Cable, Active Video Transmitters (28 21 00 00-0621)		
28 21 00 00-0635	EA		Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT)	313.53	31.90
28 21 00 00-0636			Fiber Optics, Video Transmission Equipment (28 21 00 00-0620)		
28 21 00 00-0637			Data Only, Fiber Optics Transmission Equipment (28 21 00 00-0636)		
28 21 00 00-0638			Bidirectional Data, Fiber Optics Transmitters (28 21 00 00-0637)		
28 21 00 00-0639	EA		Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS)	1,743.32	63.80
28 21 00 00-0640	EA		Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	736.87	63.80
28 21 00 00-0641	EA		Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,285.23	63.80
28 21 00 00-0642	EA		Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	899.35	63.80
28 21 00 00-0643			Bidirectional Data, Fiber Optics Receivers (28 21 00 00-0637)		
28 21 00 00-0644	EA		Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	1,743.32	63.80
28 21 00 00-0645	EA		Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	736.87	63.80
28 21 00 00-0646	EA		Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,285.23	63.80
28 21 00 00-0647	EA		Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	899.35	63.80
28 21 00 00-0648			Video Only, Fiber Optics Transmission Equipment (28 21 00 00-0636)		
28 21 00 00-0649			Digitally Encoded Video, Fiber Optics Transmitters (28 21 00 00-0648)		

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 00 00-0650	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	797.05		63.80
28 21 00 00-0651	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	371.30		63.80
28 21 00 00-0652	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	2,135.21		63.80
28 21 00 00-0653	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,300.27		63.80
28 21 00 00-0654	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	3,471.12		63.80
28 21 00 00-0655	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	2,893.43		63.80
28 21 00 00-0656	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	8,555.99		63.80
28 21 00 00-0657	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	7,619.50		63.80
28 21 00 00-0658		Digitally Encoded Video, Fiber Optics Receivers (28 21 00 00-0648)			
28 21 00 00-0659	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	797.05		63.80
28 21 00 00-0660	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	371.30		63.80
28 21 00 00-0661	EA	Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,331.11		63.80
28 21 00 00-0662	EA	Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	564.62		63.80
28 21 00 00-0663	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	2,135.21		63.80
28 21 00 00-0664	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,300.27		63.80
28 21 00 00-0665	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	3,471.12		63.80
28 21 00 00-0666	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M)	2,893.43		63.80
28 21 00 00-0667	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	8,555.99		63.80
28 21 00 00-0668	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M)	7,619.50		63.80
28 21 00 00-0669		Video And Data, Fiber Optics Transmission Equipment (28 21 00 00-0636)			
28 21 00 00-0670		Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters (28 21 00 00-0669)			
28 21 00 00-0671	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS)	1,343.90		63.80
28 21 00 00-0672	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM)	818.11		63.80
28 21 00 00-0673	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S)	3,073.21		63.80
28 21 00 00-0674	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M)	2,666.27		63.80
28 21 00 00-0675	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S)	4,948.44		63.80
28 21 00 00-0676	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M)	3,598.99		63.80
28 21 00 00-0677		Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers (28 21 00 00-0669)			
28 21 00 00-0678	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS)	1,343.90		63.80
28 21 00 00-0679	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM)	818.11		63.80
28 21 00 00-0680	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S)	3,073.21		63.80
28 21 00 00-0681	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M)	2,666.27		63.80
28 21 00 00-0682	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S)	4,948.44		63.80
28 21 00 00-0683	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M)	3,598.99		63.80
28 21 00 00-0684		Video, Audio And Data, Fiber Optics Transmission Equipment (28 21 00 00-0636)			
28 21 00 00-0685		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters (28 21 00 00-0684)			
28 21 00 00-0686	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S)	1,719.25		63.80
28 21 00 00-0687	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M)	1,376.24		63.80
28 21 00 00-0688		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers (28 21 00 00-0684)			
28 21 00 00-0689	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S)	1,719.25		63.80
28 21 00 00-0690	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M)	1,376.24		63.80
28 21 00 00-0691		Video Amplifiers (28 21 00 00-0620)			
28 21 00 00-0692		Video Distribution Amplifiers (28 21 00 00-0691)			
28 21 00 00-0693	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT)	217.69		15.95
28 21 00 00-0694	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA)	1,695.01		15.95
		Note: Inserts time-date and title on up to 16 video inputs.			
28 21 00 00-0695		Video Equalizing Amplifiers (28 21 00 00-0691)			
28 21 00 00-0696	EA	Video Equalizing Amplifier (Pelco EA2010)	235.75		15.95
28 21 00 00-0697	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000)	364.37		15.95

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

28 21 00 00-0698 Network Video Equipment (28 21 00 00-0001)

28 21 00 00-0699 Video Encoders/Decoders (28 21 00 00-0698)

28 21 00 00-0700	EA		MPEG4 IP Video Receiver (Pelco NET300R).....	876.78	31.90
28 21 00 00-0701	EA		MPEG4 IP Video Transmitter (Pelco NET300T).....	876.78	31.90
28 21 00 00-0702	EA		MPEG4 IP Video Receiver With Audio (Pelco NET350R).....	1,003.15	31.90
28 21 00 00-0703	EA		MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T).....	1,003.15	31.90

28 21 00 00-0704 Network Video Recorders (28 21 00 00-0698)

28 21 00 00-0705	EA		16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316).....	5,337.33	63.80
28 21 00 00-0706	EA		32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332).....	6,204.61	63.80
28 21 00 00-0707	EA		64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364).....	7,940.69	63.80
28 21 00 00-0708	EA		64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300).....	5,271.89	63.80

28 21 00 00-0709 Network Video Recorder Software (28 21 00 00-0698)

28 21 00 00-0710	EA		10 User, License Pack (Pelco VMX300-LIC-10).....	523.53	
28 21 00 00-0711	EA		20 User, License Pack (Pelco VMX300-LIC-20).....	944.01	
28 21 00 00-0712	EA		50 User, License Pack (Pelco VMX300-LIC-50).....	2,096.38	
28 21 00 00-0713	EA		100 User, License Pack (Pelco VMX300-LIC-100).....	3,666.98	
28 21 00 00-0714	EA		10 User, Enterprise License Pack (Pelco VMX300-E-LIC10).....	874.06	
28 21 00 00-0715	EA		20 User, Enterprise License Pack (Pelco VMX300-E-LIC20).....	1,572.10	
28 21 00 00-0716	EA		50 User, Enterprise License Pack (Pelco VMX300-E-LIC50).....	3,493.97	
28 21 00 00-0717	EA		100 User, Enterprise License Pack (Pelco VMX300-E-LIC100).....	6,113.13	
28 21 00 00-0718	EA		200 User, Enterprise License Pack (Pelco VMX300-E-LIC200).....	10,478.90	
28 21 00 00-0719	EA		500 User, Enterprise License Pack (Pelco VMX300-E-LIC500).....	21,830.35	
28 21 00 00-0720	EA		0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0).....	4,754.80	
28 21 00 00-0721	EA		1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1).....	5,045.91	
28 21 00 00-0722	EA		4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4).....	7,957.67	
28 21 00 00-0723	EA		0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0).....	5,279.09	
28 21 00 00-0724	EA		1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1).....	5,570.19	
28 21 00 00-0725	EA		4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4).....	8,480.45	
28 21 00 00-0726	EA		0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0).....	5,104.58	
28 21 00 00-0727	EA		1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1).....	5,396.43	
28 21 00 00-0728	EA		4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4).....	8,307.45	
28 21 00 00-0729	EA		0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0).....	5,977.13	
28 21 00 00-0730	EA		1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1).....	6,268.23	
28 21 00 00-0731	EA		4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4).....	9,180.00	

28 21 00 00-0732 Video Recording Equipment (28 21 00 00-0001)

28 21 00 00-0733 Digital Video Recorders (28 21 00 00-0732)

28 21 00 00-0734	EA		8 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-1000).....	4,304.56	63.80
Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.					
28 21 00 00-0735	EA		8 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-2000).....	5,802.94	63.80
Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.					
28 21 00 00-0736	EA		8 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-3000).....	7,301.32	63.80
Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.					
28 21 00 00-0737	EA		16 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-1000).....	4,928.88	63.80
Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.					
28 21 00 00-0738	EA		16 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-2000).....	6,427.27	63.80
Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.					
28 21 00 00-0739	EA		16 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-3000).....	7,925.65	63.80
Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.					
28 21 00 00-0740	EA		8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A).....	8,334.84	63.80
28 21 00 00-0741	EA		8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A).....	11,414.35	63.80
28 21 00 00-0742	EA		8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A).....	14,494.61	63.80
28 21 00 00-0743	EA		16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A).....	10,026.54	63.80
28 21 00 00-0744	EA		16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A).....	13,106.05	63.80
28 21 00 00-0745	EA		16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A).....	16,186.31	63.80
28 21 00 00-0746	EA		24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A).....	10,957.01	63.80
28 21 00 00-0747	EA		24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A).....	14,036.52	63.80
28 21 00 00-0748	EA		24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A).....	17,116.78	63.80
28 21 00 00-0749	EA		32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A).....	12,648.71	63.80
28 21 00 00-0750	EA		32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A).....	15,728.22	63.80

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 00 00-0751	EA	32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	18,808.48		63.80
28 21 00 00-0752	EA	16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500).....	9,196.34		63.80
28 21 00 00-0753		Digital Video Recorder Accessories (28 21 00 00-0732)			
28 21 00 00-0754	EA	16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16).....	849.70		31.90
28 21 00 00-0755		Matrix Systems And Controls (28 21 00 00-0001)			
28 21 00 00-0756		Video Multiplexers (28 21 00 00-0755)			
28 21 00 00-0757		Monochrome Duplex, Video Multiplexers (28 21 00 00-0756)			
28 21 00 00-0758	EA	9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	1,567.30		63.80
28 21 00 00-0759	EA	16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD).....	1,483.81		63.80
28 21 00 00-0760		Color Duplex, Video Multiplexers (28 21 00 00-0756)			
28 21 00 00-0761	EA	4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD).....	1,073.11		63.80
28 21 00 00-0762	EA	9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD).....	2,006.59		63.80
28 21 00 00-0763	EA	16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD).....	2,171.32		63.80
28 21 00 00-0764		Color Simplex, Video Multiplexers (28 21 00 00-0756)			
28 21 00 00-0765	EA	9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS).....	1,693.67		63.80
28 21 00 00-0766	EA	16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS).....	1,970.48		63.80
28 21 00 00-0767		Video Multiplexer Accessories (28 21 00 00-0756)			
28 21 00 00-0768	EA	Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000).....	968.59		43.57
28 21 00 00-0769	EA	Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002).....	594.00		43.57
28 21 00 00-0770	EA	Video Multiplexer Server (Pelco MX4000SVR).....	1,567.30		63.80
28 21 00 00-0771		Quad Video Processor (28 21 00 00-0755)			
28 21 00 00-0772	EA	Monochrome, Quad Video Processor (Pelco QD104M)	493.31		31.90
28 21 00 00-0773	EA	Color, Quad Video Processor (Pelco QD104C).....	794.19		31.90
28 21 00 00-0774		Switcher (28 21 00 00-0755)			
28 21 00 00-0775		Terminating Manual Switchers (28 21 00 00-0774)			
28 21 00 00-0776		Terminating Manual Switchers (28 21 00 00-0775)			
28 21 00 00-0777	EA	4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	181.17		25.51
28 21 00 00-0778	EA	8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	239.84		25.51
28 21 00 00-0779	EA	12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	287.98		25.51
28 21 00 00-0780	EA	18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	460.24		25.51
28 21 00 00-0781		Audio Follow, Terminating Manual Switchers (28 21 00 00-0775)			
28 21 00 00-0782	EA	4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	229.31		25.51
28 21 00 00-0783	EA	8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	391.03		25.51
28 21 00 00-0784	EA	18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF).....	670.10		25.51
28 21 00 00-0785		Balanced Audio Follow, Terminating Manual Switchers (28 21 00 00-0775)			
28 21 00 00-0786	EA	4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF).....	300.77		25.51
28 21 00 00-0787	EA	8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF).....	536.96		25.51
28 21 00 00-0788		Looping Manual Switchers (28 21 00 00-0774)			
28 21 00 00-0789		Looping Manual Switchers (28 21 00 00-0788)			
28 21 00 00-0790	EA	4 Inputs, Looping Manual Switcher (Pelco MS504LDT).....	200.73		25.51
28 21 00 00-0791	EA	8 Inputs, Looping Manual Switcher (Pelco MS508LDT).....	269.18		25.51
28 21 00 00-0792	EA	12 Inputs, Looping Manual Switcher (Pelco MS512LDT).....	338.38		25.51
28 21 00 00-0793	EA	18 Inputs, Looping Manual Switcher (Pelco MS518LDT).....	546.74		25.51
28 21 00 00-0794		Audio Follow, Looping Manual Switchers (28 21 00 00-0788)			
28 21 00 00-0795	EA	4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	245.86		25.51
28 21 00 00-0796	EA	8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	416.61		25.51
28 21 00 00-0797	EA	12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	565.54		25.51
28 21 00 00-0798		Balanced Audio Follow, Looping Manual Switchers (28 21 00 00-0788)			
28 21 00 00-0799	EA	4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	321.08		25.51
28 21 00 00-0800	EA	8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	567.80		25.51
28 21 00 00-0801	EA	12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL).....	709.97		25.51
28 21 00 00-0802		Sequential Switchers (28 21 00 00-0774)			

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

28 21 00 00-0803			Single Output, Sequential Switchers (28 21 00 00-0802)		
28 21 00 00-0804	EA		4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104).....	339.13	25.51
28 21 00 00-0805	EA		8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108).....	497.09	25.51
28 21 00 00-0806			Dual Outputs, Sequential Switchers (28 21 00 00-0802)		
28 21 00 00-0807	EA		4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	419.62	25.51
28 21 00 00-0808	EA		8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	574.57	25.51
28 21 00 00-0809			Controls (28 21 00 00-0755)		
28 21 00 00-0810			Direct/Multi-Cable Controls (28 21 00 00-0809)		
28 21 00 00-0811	EA		Scanner Control Module (Pelco MPS524DT)	320.15	63.80
28 21 00 00-0812	EA		120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT).....	338.96	63.80
28 21 00 00-0813	EA		24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT).....	371.30	63.80
28 21 00 00-0814	EA		Motorized Zoom Lens Control Module (Pelco MLZ6DT).....	386.35	63.80
28 21 00 00-0815	EA		120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT).....	584.93	63.80
28 21 00 00-0816	EA		24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT).....	639.84	63.80
28 21 00 00-0817			Coaxitron Controls (28 21 00 00-0809)		
28 21 00 00-0818	EA		Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	454.09	43.57
28 21 00 00-0819	EA		8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000).....	808.37	43.57
28 21 00 00-0820	EA		Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008).....	909.92	43.57
28 21 00 00-0821			Digital Controls (28 21 00 00-0809)		
28 21 00 00-0822	EA		Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A).....	590.24	43.57
28 21 00 00-0823	EA		Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A).....	961.07	43.57
28 21 00 00-0824			Lock Boxes (28 21 00 00-0755)		
28 21 00 00-0825	EA		VCR Lock Box (Pelco LB1000).....	358.21	47.85
			<i>For Wall Mount, Add</i>	165.00	
28 21 00 00-0826	EA		Computer Disk Drive Lock Box (Pelco LB2000)	365.73	47.85
28 21 00 00-0827	EA		VCR And Multiplexer Lock Box (Pelco LB3000)	644.04	47.85
			Note: Includes storage for 32 VCR tapes.		

28 40 Life Safety (28)

28 42 Gas Detection and Alarm (28 40)

28 42 00 00-0001 Monitoring System For Underground Tanks (28 42)

28 42 00 00-0002 Continuous Leak Detection System (28 42 00 00-0001)

Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.

28 42 00 00-0003	EA		Single Channel Underground Tank Monitoring System	4,807.15	522.57
28 42 00 00-0004	EA		2 Channel Underground Tank Monitoring System	6,477.09	697.18
28 42 00 00-0005	EA		3 Channel Underground Tank Monitoring System	8,908.46	746.89
28 42 00 00-0006	EA		4 Channel Underground Tank Monitoring System	9,816.97	1,045.14
28 42 00 00-0007	EA		Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System.....	6,208.11	89.22
28 42 00 00-0008	EA		Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	5,597.60	79.66
28 42 00 00-0009	EA		Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	7,344.06	89.22
28 42 00 00-0010	EA		Tank Leak Detection Probe	2,264.25	19.12
28 42 00 00-0011	EA		Secondary Containment Collar Probe	282.08	7.65
28 42 00 00-0012	EA		Interstitial Leak Detection Probe	519.09	15.93
28 42 00 00-0013	EA		Liquid Phase Detection	1,707.95	47.80
28 42 00 00-0014	EA		Hydrocarbon Vapor, Fixed	1,580.44	47.80
28 42 00 00-0015	EA		Hydrocarbon Vapor, Float Mounted.....	1,841.48	54.17
28 42 00 00-0016	EA		Liquid And Vapor Hydrocarbon.....	2,096.49	54.17

28 42 00 00-0017 Hydrogen Gas Detection (28 42)

28 42 00 00-0018	EA		Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	1,155.10	47.85
28 42 00 00-0019	EA		Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	73.33	15.95
28 42 00 00-0020	EA		Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	326.51	47.85

28 43 Fuel Oil Detection And Alarm (28 40)

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection And Alarm (28 40)

28 46 11 Fire Sensors and Detectors (28 46)

28 46 11 11 Linear Heat Detection Sensors (28 46 11)

28 46 11 11-0001 Protectowire Fire Alarm (28 46 11 11)

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 11 11-0002			Linear Heat Detector Cable (28 46 11 11-0001)		
28 46 11 11-0003	LF		Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC).....	3.87	
28 46 11 11-0004	LF		Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M).....	4.14	
28 46 11 11-0005	LF		High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR).....	4.14	
28 46 11 11-0006	LF		High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M).....	4.40	
28 46 11 11-0007	LF		Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT).....	5.39	
28 46 11 11-0008	LF		Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M).....	5.66	
28 46 11 11-0009	EA		Flexible Lead Connector For Linear Heat Detector (Protectowire PFL).....	60.66	
28 46 11 11-0010	EA		Splicing Connector For Linear Heat Detector (Protectowire PWSC).....	20.27	
28 46 11 11-0011	EA		Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W).....	8.24	
28 46 11 11-0012	EA		Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2).....	8.24	
28 46 11 11-0013	EA		Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO).....	9.71	
28 46 11 11-0014	EA		Beam Clamp For Linear Heat Detector (Protectowire BC-2).....	15.07	
28 46 11 11-0015	EA		Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P).....	15.43	
28 46 11 11-0016	EA		Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A).....	0.97	
28 46 11 11-0017	EA		Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B).....	1.31	
28 46 11 11-0018	EA		Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C).....	5.53	
28 46 20			Fire Alarm (28 46)		
28 46 21 33			Fire Detection and Alarm Annunciation Panels and Fire Stations (28 46 20)		
28 46 21 33-0001			Edwards Fire Alarm (28 46 21 33)		
28 46 21 33-0002			EST3 Life Safety And Security Control (28 46 21 33-0001)		
28 46 21 33-0003			EST3 Network (28 46 21 33-0002)		
28 46 21 33-0004			Remote Annunciators (28 46 21 33-0003)		
28 46 21 33-0005	EA		Remote LCD Command Module Annunciator (EST3 3-LCDANN).....	985.51	95.69
			Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 21 33-0006	EA		Six Position Base Annunciator (EST3 3-6ANN).....	819.38	95.69
			Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 21 33-0007	EA		Ten Position Base Annunciator (EST3 3-10ANN).....	1,013.09	95.69
			Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 21 33-0008	EA		Annunciator CPU (EST3 3-ANNCPU3).....	677.58	95.69
			Note: One Required per graphic annunciator.		
28 46 21 33-0009	EA		Annunciator Support Module (EST3 3-ANNSM).....	137.78	31.90
			Note: Takes one space in Annunciator box. Supports one Control/Display module.		
28 46 21 33-0010	EA		Liquid Crystal Display Module (EST3 3-LCD).....	466.98	95.69
			Note: Mounts over 3-CPU(1).		
28 46 21 33-0011	EA		Liquid Crystal Display Module (EST3 3-LCDXL).....	692.70	95.69
			Note: Mounts over 3-ANNCPU plus two spaces.		
28 46 21 33-0012	EA		LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA).....	515.54	95.69
			Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.		
28 46 21 33-0013	EA		Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA).....	557.07	63.80
			Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.		
28 46 21 33-0014	EA		Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX).....	104.81	31.90
			Note: Mounts up to three 3-EVDVRA modules.		
28 46 21 33-0015	EA		Central Processor Unit Module (EST3 3-CPU3).....	1,150.92	95.69
			Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 21 33-0016	EA		Primary Power Supply With Local Rail Module, 120 VAC, 50/60 Hz (EST3 3-CPU3).....	968.33	31.90
			Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 21 33-0017			Remote Annunciators Cabinets (28 46 21 33-0003)		
28 46 21 33-0018	EA		Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCEM/B).....	110.70	31.90
28 46 21 33-0019	EA		Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCEM/B-S).....	97.94	25.51
28 46 21 33-0020	EA		Six Position LED/LCD Flush Wallbox (EST3 6ANN/B).....	121.11	31.90
28 46 21 33-0021	EA		Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S).....	108.35	25.51
28 46 21 33-0022	EA		Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B).....	130.88	31.90
28 46 21 33-0023	EA		Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S).....	118.12	25.51
28 46 21 33-0024			Audio And Telephone Masters (28 46 21 33-0003)		
28 46 21 33-0025	EA		Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT).....	3,042.66	127.59
28 46 21 33-0026	EA		Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4).....	1,746.20	127.59
28 46 21 33-0027	EA		Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	1,900.05	127.59
28 46 21 33-0028	EA		Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU).....	1,657.06	127.59
28 46 21 33-0029	EA		Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	1,875.80	127.59
28 46 21 33-0030	EA		Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95).....	1,858.18	63.80
28 46 21 33-0031			Battery Distribution Unit (28 46 21 33-0003)		
28 46 21 33-0032	EA		Battery Distribution Unit (EST3 3-BTSEN).....	439.95	312.35
28 46 21 33-0033			Remote Booster Power Supply (28 46 21 33-0003)		
28 46 21 33-0034	EA		6.5 Amp, 120 VAC, Booster Power Supply (EST3 BPS6A).....	596.59	95.69

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0035	EA		10 Amp, 110 VAC Booster Power Supply (EST3 BPS10)	668.68	95.69
28 46 21 33-0036	EA		10 Amp, 220 VAC Booster Power Supply (EST3 BPS10220)	721.81	95.69
28 46 21 33-0037	EA		Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	112.45	31.90
28 46 21 33-0038 Batteries And Battery Cabinets (28 46 21 33-0003)					
28 46 21 33-0039	EA		1.2 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V1A2 (1.2 Amp Hours)).....	92.65	31.90
28 46 21 33-0040	EA		4 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V4A (4.5 Amp Hours)).....	108.31	31.90
28 46 21 33-0041	EA		24 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V24A (26 Amp Hours)).....	216.37	31.90
28 46 21 33-0042	EA		6.5 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V6A5 (7.2 Amp Hours)).....	114.58	31.90
28 46 21 33-0043	EA		40 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V40A (40 Amp Hours)).....	266.54	31.90
28 46 21 33-0044	EA		10 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V10A (11 Amp Hours)).....	162.69	31.90
28 46 21 33-0045	EA		50 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V50A (50 Amp Hours)).....	510.94	31.90
28 46 21 33-0046	EA		17 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V17A (18 Amp Hours)).....	165.92	31.90
28 46 21 33-0047	EA		65 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V65A (65 Amp Hours)).....	609.21	31.90
28 46 21 33-0048	EA		8.0 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V8A (8 Amp Hours)).....	105.26	31.90
28 46 21 33-0049	EA		10 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V10A (12 Amp Hours)).....	97.44	31.90
28 46 21 33-0050	EA		Battery Cabinet, 14.0" x 18.25" x 7.25" Free Standing Cabinet With Key Lock (EST3 BC-1).....	302.33	63.80
Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.					
28 46 21 33-0051	EA		Battery Cabinet, Gray 22" X 15" X 3.75" (EST3 BC-2)	260.14	63.80
Note: Holds up to two 12V17A batteries.					
28 46 21 33-0052	EA		Remote Closet Enclosure (EST3 3-RCC7R)	806.26	127.59
28 46 21 33-0053	EA		Remote Closet Enclosure (EST3 3-RCC14R)	972.33	127.59
28 46 21 33-0054	EA		Remote Closet Enclosure (EST3 3-RCC21R)	1,316.71	127.59
28 46 21 33-0055 Serial Printer (28 46 21 33-0003)					
28 46 21 33-0056	EA		System Printer - Desk Top Style (EST3 PT-1S)	970.92	31.90
28 46 21 33-0057 Intelligent Analog Initiating Devices (28 46 21 33-0002)					
28 46 21 33-0058 Detectors, Signature (28 46 21 33-0057)					
28 46 21 33-0059	EA		Intelligent 4D Multisensor Detector - Ionization, Photoelectric, Heat (EST3 SIGA-IPHS)	190.16	47.85
28 46 21 33-0060	EA		Intelligent 4D Multisensor Detector, Black - Ionization, Photoelectric, Heat (EST3 SIGA-IPHSB)	208.39	47.85
28 46 21 33-0061	EA		Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA-PHS)	184.73	47.85
28 46 21 33-0062	EA		Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS)	168.43	47.85
28 46 21 33-0063	EA		Intelligent Ionization Smoke Detector (EST3 SIGA-IS)	173.86	47.85
28 46 21 33-0064	EA		Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA-HRS)	150.26	47.85
28 46 21 33-0065	EA		Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA-HFS)	150.26	47.85
28 46 21 33-0066	EA		Passive Infrared Motion Detector (EST3 SIGA-MD)	213.24	47.85
28 46 21 33-0067	EA		Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	231.04	47.85
28 46 21 33-0068	EA		Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	201.69	47.85
28 46 21 33-0069	EA		Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	272.39	47.85
28 46 21 33-0070	EA		Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA2-HFS)	175.30	47.85
28 46 21 33-0071	EA		Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA2-HRS)	175.30	47.85
28 46 21 33-0072	EA		Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA2-PHS)	225.44	47.85
28 46 21 33-0073 Detectors, Duct Housings and Accessories, Signature (28 46 21 33-0057)					
28 46 21 33-0074	EA		Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	369.38	79.74
28 46 21 33-0075	EA		Superduct, Test Magnet Kit (EST3 SD-MAG)	21.51	
28 46 21 33-0076	EA		Superduct, 120" Air Sample Tube (EST3 SD-T120).....	56.36	19.14
28 46 21 33-0077	EA		Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK).....	100.70	25.51
28 46 21 33-0078	EA		Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	128.27	25.51
28 46 21 33-0079	EA		High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL).....	69.26	25.51
28 46 21 33-0080 Detectors, Smoke, Beam (28 46 21 33-0057)					
28 46 21 33-0081	EA		Fireray 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A)	112.34	
28 46 21 33-0082	EA		Fireray 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01).....	1,296.26	47.85
Note: Includes controller and remote mount transmitter and receiver head.					
28 46 21 33-0083	EA		Fireray 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00).....	87.86	15.95
28 46 21 33-0084	EA		Replacement Reflector, For EC-50R/-100R Reflective Beam Detectors (EST3 23901-01).....	101.81	15.95
28 46 21 33-0085	EA		160 - 330' Reflective Beam Detector (EST3 EC-100R)	1,307.12	47.85
28 46 21 33-0086	EA		15 - 160' Reflective Beam Detector (EST3 EC-50R)	1,120.75	47.85
28 46 21 33-0087	EA		Remote Test Station, For EC-50R/-100R Reflective Beam Detectors (EST3 EC-LLT)	264.92	15.95
28 46 21 33-0088	EA		160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R).....	1,375.79	47.85
28 46 21 33-0089 Modules, Signature (28 46 21 33-0057)					
28 46 21 33-0090	EA		Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	167.33	31.90
28 46 21 33-0091	EA		Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1).....	119.02	31.90
28 46 21 33-0092	EA		Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	157.52	31.90
28 46 21 33-0093	EA		Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2).....	152.80	31.90
28 46 21 33-0094	EA		Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1).....	172.05	31.90
28 46 21 33-0095	EA		Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	180.04	31.90
28 46 21 33-0096	EA		Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR).....	139.36	31.90
Note: Select for either N.O. or N.C. operation. Rated at 2 amps (24Vdc).					
28 46 21 33-0097	EA		Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	136.54	31.90

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 33-0098	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	172.86		31.90
28 46 21 33-0099	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	169.21		31.90
28 46 21 33-0100	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	163.78		31.90
28 46 21 33-0101	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM)	152.51		120.61
28 46 21 33-0102	EA	Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1)	119.23		31.90
		Note: Factory programmed for non-latching monitor operation.			
28 46 21 33-0103	EA	Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S).....	173.55		31.90
28 46 21 33-0104		Module Accessories, Signature (28 46 21 33-0057)			
		Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 & 2-gang modules.			
28 46 21 33-0105	EA	Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4)	50.15		15.95
28 46 21 33-0106	EA	Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6).....	151.04		31.90
28 46 21 33-0107	EA	Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P).....	21.86		9.57
28 46 21 33-0108	EA	Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1).....	56.43		15.95
28 46 21 33-0109	EA	Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2).....	51.92		15.95
28 46 21 33-0110	EA	Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L).....	53.70		15.95
28 46 21 33-0111		Single Action Pull Stations, Signature (28 46 21 33-0057)			
28 46 21 33-0112	EA	One Stage Fire Alarm Station, English Markings (EST3 SIGA-270).....	209.40		66.35
28 46 21 33-0113	EA	Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P).....	236.65		66.35
28 46 21 33-0114	EA	GA Key - For Pre Signal Station (EST3 276-K2).....	26.60		20.22
28 46 21 33-0115	EA	20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR).....	31.85		25.47
28 46 21 33-0116	EA	Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	62.81		37.28
28 46 21 33-0117		Double Action Pull Stations, Signature (28 46 21 33-0057)			
28 46 21 33-0118	EA	Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	214.05		66.35
28 46 21 33-0119	EA	12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	32.24		6.38
28 46 21 33-0120		Detector Bases and Accessories, Signature (28 46 21 33-0057)			
		Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.			
28 46 21 33-0121	EA	Audible (Sounder) Base (EST3 SIGA-AB4G)	90.46		15.95
28 46 21 33-0122	EA	Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	42.85		15.95
28 46 21 33-0123	EA	Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	109.36		15.95
28 46 21 33-0124	EA	Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG)	68.30		15.95
28 46 21 33-0125	EA	Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB).....	77.38		15.95
28 46 21 33-0126	EA	Detector Mounting Plate (EST3 SIGA-DMP)	113.71		15.95
		Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.			
28 46 21 33-0127	EA	Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	50.15		15.95
28 46 21 33-0128	EA	Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	21.93		9.57
28 46 21 33-0129	EA	Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	21.93		9.57
28 46 21 33-0130	EA	Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	46.47		9.57
28 46 21 33-0131	EA	Detector Base With Isolator (EST3 SIGA-IB).....	76.46		15.95
28 46 21 33-0132	EA	Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4).....	80.36		15.95
28 46 21 33-0133	EA	Detector Base With Form 'C' Relay (EST3 SIGA-RB).....	69.68		15.95
28 46 21 33-0134	EA	Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	69.67		15.95
28 46 21 33-0135	EA	Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4).....	44.25		15.95
28 46 21 33-0136		Controllers, Signature (28 46 21 33-0057)			
28 46 21 33-0137	EA	Signature Dual Driver Controller (EST3 3-SDDC1).....	2,187.75		95.69
28 46 21 33-0138	EA	Single Signature Loop Controller (EST3 3-SSDC1).....	1,291.53		95.69
28 46 21 33-0139	EA	Signature Loop Controller (EST3 3-SDC1)	1,169.20		95.69
28 46 21 33-0140	EA	Analog Addressable Loop Controller (EST3 3-AADC1)	1,821.08		95.69
28 46 21 33-0141		Relays And Accessories (28 46 21 33-0057)			
28 46 21 33-0142	EA	Multi Voltage Relay (EST3 MR101)	140.75		31.90
28 46 21 33-0143	EA	Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T).....	47.85		15.95
28 46 21 33-0144		Notification Appliances (28 46 21 33-0002)			
28 46 21 33-0145		Wall Strobes, Horns And Chimes (28 46 21 33-0144)			
28 46 21 33-0146	EA	Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM)	134.52		47.85
28 46 21 33-0147	EA	Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM)	134.52		47.85
28 46 21 33-0148	EA	Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	147.17		47.85
28 46 21 33-0149	EA	Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	120.27		47.85
28 46 21 33-0150	EA	Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	120.27		47.85
28 46 21 33-0151	EA	Temporal Horn, Hi/Lo dB Output, 24 VDC, White, With The Word "FIRE" On Housing (EST3 G1F-HD).....	120.27		47.85
28 46 21 33-0152	EA	Temporal Horn, Hi/Lo dB Output, 24 VDC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD).....	120.27		47.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0153	EA		Horn (Steady Tone), 24 VDC, White, Not Compatible With Signal Master (EST3 G1-P)	108.30	47.85
28 46 21 33-0154	EA		Horn (Steady Tone) - 24 VDC, Red, Not Compatible With Signal Master (EST3 G1R-P)	108.30	47.85
28 46 21 33-0155	EA		Horn (Steady Tone), 24 VDC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	108.30	47.85
28 46 21 33-0156	EA		Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	198.80	47.85
28 46 21 33-0157	EA		Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM)	198.80	47.85
28 46 21 33-0158	EA		Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	145.63	47.85
28 46 21 33-0159	EA		Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	145.63	47.85
28 46 21 33-0160	EA		Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	134.52	47.85
28 46 21 33-0161	EA		Multi-cd Strobe, 24 VDC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	134.52	47.85
28 46 21 33-0162	EA		Multi-Candela Strobe, 24 VDC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	134.52	47.85
28 46 21 33-0163	EA		Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	134.52	47.85
28 46 21 33-0164	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	138.08	47.85
28 46 21 33-0165	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	138.08	47.85
28 46 21 33-0166	EA		Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH)	146.40	47.85
28 46 21 33-0167	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	138.08	47.85
28 46 21 33-0168	EA		Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	138.08	47.85
28 46 21 33-0169	EA		Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	100.51	47.85
28 46 21 33-0170	EA		Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	100.51	47.85
28 46 21 33-0171			Wall Speakers And Speaker Strobes (28 46 21 33-0144)		
28 46 21 33-0172	EA		Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	119.20	47.85
28 46 21 33-0173	EA		Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	159.32	47.85
28 46 21 33-0174	EA		Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	119.20	47.85
28 46 21 33-0175	EA		Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	159.32	47.85
28 46 21 33-0176	EA		Surface Box, White, For Genesis Speaker (EST3 G4B)	60.82	25.51
28 46 21 33-0177	EA		Surface Box, Red, For Genesis Speaker (EST3 G4RB)	60.82	25.51
28 46 21 33-0178			Ceiling Speakers And Speaker Strobes (28 46 21 33-0144)		
28 46 21 33-0179	EA		Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7)	133.75	47.85
28 46 21 33-0180	EA		Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	159.32	47.85
28 46 21 33-0181	EA		Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH)	167.41	47.85
28 46 21 33-0182			Harsh Environment Signals (28 46 21 33-0144)		
28 46 21 33-0183	EA		Temporal Horn, Self-Synchronized, 24 VDC (EST3 757-1A-T)	123.79	47.85
28 46 21 33-0184	EA		15/75 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-7A-T)	155.72	47.85
28 46 21 33-0185	EA		110 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-8A-T)	155.72	47.85
28 46 21 33-0186	EA		15 Candela Synchronized, 24 VDC, Strobe (EST3 405-5A-T)	146.23	47.85
28 46 21 33-0187	EA		15/75 Candela Synchronized, 24 VDC, Strobe (EST3 405-7A-T)	139.92	47.85
28 46 21 33-0188	EA		30 Candela Synchronized, 24 VDC, Strobe (EST3 405-3A-T)	146.23	47.85
28 46 21 33-0189	EA		60 Candela Synchronized, 24 VDC, Strobe (EST3 405-6A-T)	146.23	47.85
28 46 21 33-0190	EA		110 Candela Synchronized, 24 VDC, Strobe (EST3 405-8A-T)	146.23	47.85
28 46 21 33-0191	EA		15/75 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T)	162.91	54.23
28 46 21 33-0192	EA		110 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T)	162.91	54.23
28 46 21 33-0193	EA		15 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-5A-T)	127.67	47.85
28 46 21 33-0194	EA		30 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-3A-T)	152.74	47.85
28 46 21 33-0195			Fire Alarm Bells (28 46 21 33-0144)		
28 46 21 33-0196	EA		10" Single Stroke Fire Alarm Bells, 24 VDC (EST3 323D-10AW)	164.58	47.85
28 46 21 33-0197	EA		6" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-6AW)	140.73	47.85
28 46 21 33-0198	EA		10" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-10AW)	150.91	47.85
28 46 21 33-0199			Multiple Tone Signal (28 46 21 33-0144)		
28 46 21 33-0200	EA		27 Tone Selectable Signal, 24 VDC (EST3 5530MD-24AW)	811.22	763.38
28 46 21 33-0201			Multi-Purpose Loudspeaker (28 46 21 33-0144)		
28 46 21 33-0202	EA		15 Watt Loudspeaker, Gray (EST3 HPSA15G2570)	202.61	47.85
28 46 21 33-0203	EA		15 Watt Loudspeaker, Red (EST3 HPSA15R2570)	202.61	47.85
28 46 21 33-0204			Bell/Strobe Plate (28 46 21 33-0144)		
28 46 21 33-0205	EA		Bell/Strobe Plate - 15cd (EST3 403-5A-R)	103.74	25.51
28 46 21 33-0206			Mounting Accessories (28 46 21 33-0144)		
28 46 21 33-0207	EA		Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11)	61.55	25.51
28 46 21 33-0208	EA		One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY)	61.55	25.51
28 46 21 33-0209	EA		Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16)	61.55	25.51
28 46 21 33-0210	EA		Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21)	61.55	25.51
28 46 21 33-0211	EA		Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26)	61.55	25.51
28 46 21 33-0212			Firefighters' Telephones (28 46 21 33-0144)		
28 46 21 33-0213	EA		Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4)	761.36	79.74
28 46 21 33-0214	EA		Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4)	460.43	79.74
28 46 21 33-0215	EA		Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F)	352.06	79.74

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0216	EA		Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1).....	276.51	79.74
28 46 21 33-0217	EA		Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	446.94	79.74
28 46 21 33-0218	EA		Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	303.47	79.74
28 46 21 33-0219	EA		Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	494.70	79.74
28 46 21 33-0220	EA		Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A).....	312.46	79.74
28 46 21 33-0221	EA		Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	555.86	79.74
28 46 21 33-0222	EA		Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	76.26	25.51
28 46 21 33-0223	EA		Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	84.08	25.51
28 46 21 33-0224	EA		Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3).....	90.58	
28 46 21 33-0225	EA		Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061).....	90.58	
28 46 21 33-0226	EA		Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1).....	157.69	31.90
28 46 21 33-0227	EA		Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2).....	188.83	31.90
28 46 21 33-0228	EA		Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3).....	142.12	31.90
28 46 21 33-0229	EA		Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4)	137.54	31.90
28 46 21 33-0230	EA		Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	124.14	47.85
28 46 21 33-0231	EA		Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	768.77	63.80
28 46 21 33-0232			Mass Notification EC Appliances (28 46 21 33-0144)		
28 46 21 33-0233	EA		G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA).....	138.11	47.85
28 46 21 33-0234	EA		G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	134.87	47.85
28 46 21 33-0235	EA		G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	138.11	47.85
28 46 21 33-0236	EA		G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC)	134.87	47.85
28 46 21 33-0237	EA		G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT)	23.01	9.57
28 46 21 33-0238			Hazardous Location Devices (28 46 21 33-0002)		
28 46 21 33-0239			Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location (28 46 21 33-0238)		
28 46 21 33-0240	EA		Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135).....	127.80	47.85
28 46 21 33-0241	EA		Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194).....	127.80	47.85
28 46 21 33-0242	EA		Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	130.49	47.85
28 46 21 33-0243	EA		Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	130.49	47.85
28 46 21 33-0244	EA		Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	162.61	47.85
28 46 21 33-0245	EA		Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	162.61	47.85
28 46 21 33-0246	EA		Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135).....	130.49	47.85
28 46 21 33-0247	EA		Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194).....	130.49	47.85
28 46 21 33-0248			Hazardous Locations Fire Alarm Station (28 46 21 33-0238)		
28 46 21 33-0249	EA		Hazardous Location Fire Alarm Station (EST3 XAL53)	802.16	79.74
28 46 21 33-0250	EA		Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MP5R1-D45WX-GE)	767.24	79.74
28 46 21 33-0251			Hazardous Location Strobes (28 46 21 33-0238)		
28 46 21 33-0252	EA		Explosion Proof Strobe (EST3 116DEXSTC-FJ)	1,126.05	47.85
28 46 21 33-0253	EA		Wall Bracket Mounting Elbow (EST3 116EX-B).....	216.74	15.95
28 46 21 33-0254	EA		Ceiling / Wall Mounting Module (EST3 116EX-C).....	281.93	19.14
28 46 21 33-0255	EA		Pendant Mounting Module (EST3 116EX-P)	211.66	19.14
28 46 21 33-0256			Hazardous Location Bells (28 46 21 33-0238)		
28 46 21 33-0257	EA		6" Hazardous Location Bells, 24 VDC (EST3 439DEX-6AW).....	825.05	47.85
28 46 21 33-0258	EA		8" Hazardous Location Bells, 24 VDC (EST3 439DEX-8AW)	845.27	47.85
28 46 21 33-0259	EA		10" Hazardous Location Bells, 24 VDC (EST3 439DEX-10AW).....	852.55	47.85
28 46 21 33-0260			Hazardous Location Horns (28 46 21 33-0238)		
28 46 21 33-0261	EA		Hazardous Location Horns (EST3 888D-N5).....	807.64	47.85
28 46 21 33-0262	EA		Explosion Proof Horn, Diode Polarized, 24 VDC (EST3 889D-AW).....	667.76	47.85
28 46 21 33-0263			Door Holders And Relays (28 46 21 33-0002)		
28 46 21 33-0264			Electromagnetic Door Holders (28 46 21 33-0263)		
28 46 21 33-0265	EA		Door Holder, Single, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1501-AQN5)	181.24	47.85
28 46 21 33-0266	EA		Door Holder, Double, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1502-AQN5).....	221.80	47.85
28 46 21 33-0267	EA		Door Holder, Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1504-AQN5).....	160.52	47.85
28 46 21 33-0268	EA		Door Holder, Flush, Wall Mount, Short Catch Plate - 24 VAC / 24 VDC / 120 VAC (EST3 1505-AQN5).....	160.52	47.85
28 46 21 33-0269	EA		Door Holder, Surface, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1508-AQN5)	162.39	47.85
28 46 21 33-0270	EA		Door Holder, Completely Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1509-AQN5).....	164.18	47.85
28 46 21 33-0271			Control Relays, Multi-Voltage (28 46 21 33-0263)		
28 46 21 33-0272	EA		Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1).....	36.55	9.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0273			FireShield Plus (28 46 21 33-0002)		
28 46 21 33-0274			3 Zone System (28 46 21 33-0273)		
28 46 21 33-0275	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R).....	1,096.94	382.78
28 46 21 33-0276	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD).....	1,554.18	510.37
28 46 21 33-0277	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G).....	1,096.94	382.78
28 46 21 33-0278	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD).....	1,554.18	510.37
28 46 21 33-0279	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	66.86	15.95
28 46 21 33-0280	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	66.86	15.95
28 46 21 33-0281			5 Zone System (28 46 21 33-0273)		
28 46 21 33-0282	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R).....	1,153.52	382.78
28 46 21 33-0283	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD).....	1,607.53	510.37
28 46 21 33-0284	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G).....	1,153.52	382.78
28 46 21 33-0285	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD).....	1,607.53	510.37
28 46 21 33-0286	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	66.86	15.95
28 46 21 33-0287	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	66.86	15.95
28 46 21 33-0288			10 Zone System (28 46 21 33-0273)		
28 46 21 33-0289	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R).....	1,626.93	510.37
28 46 21 33-0290	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD).....	2,084.18	637.96
28 46 21 33-0291	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G).....	1,602.68	510.37
28 46 21 33-0292	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD).....	2,084.18	637.96
28 46 21 33-0293	EA		Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G).....	75.61	15.95
28 46 21 33-0294	EA		NAC Power Expansion Transformer, 120 VAC, Increases 10 Zone FACP NAC (EST3 F-XTR120).....	140.77	31.90
28 46 21 33-0295			FireShield Plus Off Premise Communication Options (28 46 21 33-0273)		
28 46 21 33-0296	EA		F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT).....	273.94	31.90
28 46 21 33-0297			FireShield Plus Remote LED Annunciators (28 46 21 33-0273)		
28 46 21 33-0298	EA		Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI).....	148.14	47.85
28 46 21 33-0299	EA		Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A).....	148.14	47.85
28 46 21 33-0300	EA		Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA).....	152.27	47.85
28 46 21 33-0301	EA		Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2).....	29.65	9.57
28 46 21 33-0302	EA		Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3).....	34.93	9.57
28 46 21 33-0303	EA		Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4).....	47.60	9.57
28 46 21 33-0304			FireShield Plus Remote 10 Zone LED Annunciators (28 46 21 33-0273)		
28 46 21 33-0305	EA		Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10).....	370.49	47.85
28 46 21 33-0306	EA		Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C).....	402.83	47.85
28 46 21 33-0307	EA		Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1).....	144.62	31.90
28 46 21 33-0308			FireShield Plus Remote Relays And Interfaces (28 46 21 33-0273)		
28 46 21 33-0309	EA		Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24).....	151.22	31.90
28 46 21 33-0310	EA		11" Snap Track Holds 2-4 RRRMs, Used To Mount FSRRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11).....	68.06	19.14
28 46 21 33-0311	EA		Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM).....	223.83	31.90
28 46 21 33-0312			FireShield Plus Accessories (28 46 21 33-0273)		
28 46 21 33-0313	EA		Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1).....	15.75	
28 46 21 33-0314	EA		4.7k UL End Of Line Resistor With FireShield Panels (EST3 EOL47PK7).....	11.33	

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 46 21 33-0315		iO Series Fire Control Panels (28 46 21 33-0002)			
28 46 21 33-0316		Intelligent Analog Control Panels (28 46 21 33-0315)			
28 46 21 33-0317	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	3,405.37		637.96
28 46 21 33-0318	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18 a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	3,562.17		637.96
28 46 21 33-0319	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10 a/h Batteries, English (EST3 iO64G)	2,720.42		510.37
28 46 21 33-0320	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD)	2,793.16		510.37
28 46 21 33-0321		Option Modules And Accessories For iO Series (28 46 21 33-0315)			
28 46 21 33-0322	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1)	257.34		47.85
28 46 21 33-0323	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2)	176.51		47.85
28 46 21 33-0324	EA	Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	176.51		47.85
28 46 21 33-0325	EA	Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	144.62		31.90
28 46 21 33-0326	EA	Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT)	261.18		25.51
28 46 21 33-0327	EA	Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH)	455.16		25.51
28 46 21 33-0328	EA	Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	65.85		15.95
28 46 21 33-0329	EA	Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	73.93		15.95
28 46 21 33-0330	EA	Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250)	855.01		63.80
28 46 21 33-0331		Remote Annunciators For iO Series (28 46 21 33-0315)			
28 46 21 33-0332	EA	Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	479.60		47.85
28 46 21 33-0333	EA	Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C)	499.81		47.85
28 46 21 33-0334		Remote Annunciator Accessories (28 46 21 33-0315)			
28 46 21 33-0335	EA	24 Expander Cable Assembly, With Cable And Hardware (EST3 730073)	64.23		15.95
28 46 21 33-0336	EA	12 Expander Cable (Cable Only) (EST3 7120313-01)	48.06		15.95
28 46 21 33-0337	EA	24 Expander Cable (Cable Only) (EST3 7120313-02)	60.18		15.95
28 46 21 33-0338	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1)	176.51		47.85
28 46 21 33-0339	EA	Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2)	196.71		47.85
28 46 21 33-0340	EA	Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3)	216.93		47.85
28 46 21 33-0341	EA	Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC)	48.06		15.95
28 46 21 33-0342	EA	Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC)	48.06		15.95
28 46 21 33-0343	EA	Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	83.38		15.95
28 46 21 33-0344		System Accessories (28 46 21 33-0315)			
28 46 21 33-0345	EA	Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 VDC, 24 Amp Batteries (EST3 BC-1)	302.33		63.80
28 46 21 33-0346	EA	Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	1,572.29		510.37
28 46 21 33-0347		Conventional Initiating Devices (28 46 21 33-0002)			
28 46 21 33-0348		Detectors, Heat, Double Pole (28 46 21 33-0347)			
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.					
28 46 21 33-0349	EA	Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	139.25		47.85
28 46 21 33-0350	EA	Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	139.25		47.85
28 46 21 33-0351	EA	Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2)	139.25		47.85
28 46 21 33-0352	EA	Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2)	139.25		47.85
28 46 21 33-0353		Detectors, Rate Compensation Heat, Accessories (28 46 21 33-0347)			
28 46 21 33-0354	EA	Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	101.79		47.85
28 46 21 33-0355	EA	Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11)	183.17		25.51
28 46 21 33-0356	EA	4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27)	79.55		31.90
28 46 21 33-0357		Detectors, Heat, Fire-Lite (28 46 21 33-0347)			
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.					
28 46 21 33-0358	EA	Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	133.06		47.85
28 46 21 33-0359	EA	Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	133.06		47.85
28 46 21 33-0360		Audio Notification Systems (Standalone Voice Evacuation) (28 46 21 33-0002)			

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

28 46 21 33-0361			Audio Notification Panels <small>(28 46 21 33-0360)</small>		
28 46 21 33-0362	EA		Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	3,676.43	637.96
28 46 21 33-0363	EA		Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	3,676.43	637.96
28 46 21 33-0364	EA		Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	2,892.43	637.96
28 46 21 33-0365	EA		Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	2,892.43	637.96
28 46 21 33-0366	EA		Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	3,280.39	637.96
28 46 21 33-0367	EA		Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	3,280.39	637.96
28 46 21 33-0368			Audio Notification Expander Panels <small>(28 46 21 33-0360)</small>		
28 46 21 33-0369	EA		Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	2,957.09	637.96
28 46 21 33-0370	EA		Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	2,957.09	637.96
28 46 21 33-0371	EA		Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	2,197.33	637.96
28 46 21 33-0372	EA		Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	2,197.33	637.96
28 46 21 33-0373	EA		Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	2,641.87	637.96
28 46 21 33-0374	EA		Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	2,641.87	637.96
28 46 21 33-0375			Audio Notification Output Accessories <small>(28 46 21 33-0360)</small>		
28 46 21 33-0376	EA		Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	104.64	15.95
28 46 21 33-0377	EA		Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	427.51	31.90
28 46 21 33-0378	EA		Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	427.51	31.90
28 46 21 33-0379	EA		Class A Converter (GE ANSZSC4A)	314.36	31.90
28 46 21 33-0380			Audio Notification Remote Microphone <small>(28 46 21 33-0360)</small>		
28 46 21 33-0381	EA		Microphone (GE ANSMIKE)	136.54	31.90
28 46 21 33-0382	EA		Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	467.92	31.90
28 46 21 33-0383	EA		Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	467.92	31.90
28 46 21 33-0384	EA		Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	112.72	15.95
28 46 21 33-0385	EA		Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	68.26	15.95
28 46 21 33-0386			Audio Notification Accessories <small>(28 46 21 33-0360)</small>		
28 46 21 33-0387	EA		Audio Matching - Line Input/Output Card (GE ANSAUX)	209.28	31.90
28 46 21 33-0388	EA		Class B Backup Amplifier Switching Module (GE ANSBKUP)	209.28	31.90
28 46 21 33-0389	EA		Class A Backup Amplifier Switching Module (GE ANSBKUPA)	209.28	31.90
28 46 21 33-0390	EA		Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANRSR18)	427.51	31.90
28 46 21 33-0391			Audio Notification Modules, Without Cabinet And Transformer <small>(28 46 21 33-0360)</small>		
28 46 21 33-0392	EA		100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A)	1,509.70	63.80
			Note: Excludes cabinet.		
28 46 21 33-0393	EA		100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM)	1,582.44	63.80
			Note: Excludes cabinet.		
28 46 21 33-0394	EA		100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD)	2,164.38	63.80
			Note: Excludes cabinet.		
28 46 21 33-0395	EA		25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A)	855.01	63.80
			Note: Excludes cabinet.		
28 46 21 33-0396	EA		25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM)	855.01	63.80
			Note: Excludes cabinet.		
28 46 21 33-0397	EA		25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	1,509.70	63.80
28 46 21 33-0398	EA		50W Expander Module (No Microphone Or DMR) (GE ANS50A)	1,218.73	63.80
			Note: Excludes cabinet.		
28 46 21 33-0399	EA		50W Expander Module With Microphone (No DMR) (GE ANS50AM)	1,291.47	63.80
			Note: Excludes cabinet.		
28 46 21 33-0400	EA		50W Audio Notification Module With DMR And Microphone (GE ANS50AMD)	1,873.41	63.80
			Note: Excludes cabinet.		
28 46 21 33-0401	EA		Power Transformer, Open Frame, 28 VAC @ 180 VA (EVAX 50/100) (GE ANST28180)	104.64	15.95
28 46 21 33-0402	EA		Power Transformer, Open Frame, 28 VAC @ 100 VA (EVAX 25) (GE ANST2885)	81.24	15.95
28 46 21 33-0403			Simplex Fire Alarm <small>(28 46 21 33)</small>		
28 46 21 33-0404			4100 Fire Alarm Control Panel <small>(28 46 21 33-0403)</small>		

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 33-0405	EA	4100U Master Controller Assembly With LCD And Operator Interface, 9 Amp System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 VAC Input (Simplex 4100-9111)	5,000.16		637.28
28 46 21 33-0406	EA	4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amp System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 VAC Input (Simplex 4100-9141)	5,351.27		637.28
28 46 21 33-0407	EA	4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	7,190.19		637.28
28 46 21 33-0408	EA	IDNet Module, Up To 127 Points (Simplex 4100-3104)	3,620.38		637.28
		Note: Add-on module.			
28 46 21 33-0409	EA	IDNet Module, Up To 64 Points (Simplex 4100-3105)	3,084.92		637.28
		Note: Add-on module.			
28 46 21 33-0410	EA	Expansion Power Supply, 3 NACs, 120 VAC (Simplex 4100-5101)	1,369.43		159.32
		Note: Add-on module.			
28 46 21 33-0411	EA	Alarm Relay, 3 Form C Relays, 2 Amp @ 32 VDC, For SPS Or RPS (Simplex 4100-6033)	285.14		31.87
		Note: Add-on module.			
28 46 21 33-0412	EA	Dual Port RS-232 Interface Card (Simplex 4100-6038)	764.27		31.87
		Note: Add-on module.			
28 46 21 33-0413		4100U Backbox <small>(28 46 21 33-0403)</small>			
28 46 21 33-0414	EA	2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425)	1,390.99		127.46
		Note: 24" x 40" beige backbox.			
28 46 21 33-0415	EA	3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443)	1,911.92		127.46
		Note: 24" x 56" beige backbox.			
28 46 21 33-0416		DACT (Digital Alarm Communicator Transmitter) <small>(28 46 21 33-0403)</small>			
28 46 21 33-0417	EA	6 Zone Fire Control Communicator (Silent Knight SK-5104)	756.12		63.73
28 46 21 33-0418		4010 Fire Alarm Control Panel <small>(28 46 21 33-0403)</small>			
28 46 21 33-0419	EA	120 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	4,784.97		637.28
28 46 21 33-0420	EA	240 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	4,820.47		637.28
		Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	167.16		31.87
28 46 21 33-0421	EA	Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	637.65		31.87
28 46 21 33-0422	EA	Single RS-232 Interface Module With Service Modern Connection Expansion Slot Option (Simplex 4010-9812)	866.81		31.87
28 46 21 33-0423	EA	120 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9813)	458.18		31.87
28 46 21 33-0424	EA	240 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9823)	493.65		31.87
28 46 21 33-0425	EA	Battery Meter Module Expansion Module (Simplex 4010-9820)	201.63		31.87
28 46 21 33-0426	EA				
28 46 21 33-0427		Printer <small>(28 46 21 33-0403)</small>			
28 46 21 33-0428	EA	24 Pin Dot Matrix Printer (Simplex 4190-9013)	1,297.50		31.87
28 46 21 33-0429		NAC Panel / Power Booster <small>(28 46 21 33-0403)</small>			
28 46 21 33-0430	EA	IDNet NAC Extender With 4, Class B (Style Y) NACs and 8 Amp Power Supply, 120 VAC (Simplex 4009-9201)	963.77		159.32
		Note: Power supply for horns and strobes.			
28 46 21 33-0431		Battery <small>(28 46 21 33-0403)</small>			
28 46 21 33-0432	EA	50 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9296)	541.76		31.87
		Note: Two required for 24 volt DC.			
28 46 21 33-0433	EA	33 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9276)	369.49		31.87
		Note: Two required for 24 volt DC.			
28 46 21 33-0434	EA	6.2 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9272)	151.30		31.87
		Note: Two required for 24 volt DC.			
28 46 21 33-0435		Interface Modules <small>(28 46 21 33-0403)</small>			
28 46 21 33-0436	EA	Supervised Individual Addressable Modules (Simplex 4090-9001)	127.63		31.87
		Note: Monitor modules for waterflow/tamper, etc.			
28 46 21 33-0437	EA	Relay Individual Addressable Modules (Simplex 4090-9002)	233.96		31.87
		Note: Control modules for gas shutdown, door holders, etc.			
28 46 21 33-0438	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032)	77.53		31.87
		Note: Interface relay for 120VAC			
28 46 21 33-0439	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	128.80		31.87
28 46 21 33-0440	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	58.88		15.93
28 46 21 33-0441	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	56.63		15.93
28 46 21 33-0442		Pull Stations <small>(28 46 21 33-0403)</small>			
28 46 21 33-0443	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001)	150.44		31.87
28 46 21 33-0444	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	115.52		31.87
28 46 21 33-0445	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	122.26		31.87
28 46 21 33-0446	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	112.47		31.87
28 46 21 33-0447	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	126.77		31.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0448	EA		N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	178.15	31.87
28 46 21 33-0449	EA		Pre-Signal, N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	153.79	31.87
28 46 21 33-0450	EA		Pre-Signal, N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	176.30	31.87
28 46 21 33-0451	EA		Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	96.76	31.87
28 46 21 33-0452	EA		Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	100.87	31.87
28 46 21 33-0453	EA		Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	114.14	31.87
28 46 21 33-0454	EA		N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	162.37	31.87
28 46 21 33-0455	EA		Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	260.99	31.87
28 46 21 33-0456	EA		Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	104.26	31.87
28 46 21 33-0457	EA		Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	61.14	15.93
28 46 21 33-0458			Weatherproof Pull Stations (28 46 21 33-0403)		
28 46 21 33-0459	EA		Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	153.03	38.24
28 46 21 33-0460	EA		Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	91.05	15.93
28 46 21 33-0461			Heat / Smoke Sensor (28 46 21 33-0403)		
28 46 21 33-0462	EA		32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	161.91	47.80
28 46 21 33-0463	EA		Photoelectric Smoke Sensor (Simplex 4098-9714)	217.18	47.80
28 46 21 33-0464	EA		Sensor Base With Relay Driver (Simplex 4098-9791)	357.16	15.93
28 46 21 33-0465	EA		Standard Sensor Base (Simplex 4098-9792)	188.21	15.93
28 46 21 33-0466	EA		Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737)	128.04	31.87
			Note: Relay for 4098-9791		
28 46 21 33-0467			Explosion Proof Heat Detector (28 46 21 33-0403)		
28 46 21 33-0468	EA		135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488)	168.98	47.80
28 46 21 33-0469	EA		Explosion Proof Backbox (Killark JLX-21)	97.17	15.93
28 46 21 33-0470	EA		Explosion Proof Backbox Plugs (Killark CUP-2)	10.36	3.18
28 46 21 33-0471			Weatherproof Heat Detector (28 46 21 33-0403)		
28 46 21 33-0472	EA		194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	133.47	47.80
28 46 21 33-0473			200 Degree F Heat Detector (28 46 21 33-0403)		
28 46 21 33-0474	EA		194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604)	117.59	47.80
			Note: Used in kiln rooms and kitchens.		
28 46 21 33-0475			Duct Smoke Sensor (28 46 21 33-0403)		
28 46 21 33-0476	EA		Duct Sensor Housing (Simplex 4098-9755)	299.58	25.49
28 46 21 33-0477	EA		Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756)	423.70	57.35
			Note: Relay output for AHU shutdown.		
28 46 21 33-0478	EA		46" To 71" Duct Sampling Tube (Simplex 2098-9798)	55.35	15.93
			Note: 25", 49", 73" or 97" sampling tube length.		
28 46 21 33-0479	EA		Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	140.17	47.80
28 46 21 33-0480			Interior Horn (28 46 21 33-0403)		
28 46 21 33-0481	EA		Red With White "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850)	132.78	47.80
28 46 21 33-0482	EA		White With Red "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853)	132.78	47.80
28 46 21 33-0483			Interior Horn Strobe (28 46 21 33-0403)		
28 46 21 33-0484	EA		Wall Mounted Horn Strobe, 75Cd, Red (Simplex 4903-9426)	167.90	47.80
28 46 21 33-0485	EA		Wall Mounted Horn Strobe, 110Cd, Red (Simplex 4903-9427)	167.90	47.80
28 46 21 33-0486	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	159.89	47.80
28 46 21 33-0487	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	159.89	47.80
28 46 21 33-0488	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	159.89	47.80
28 46 21 33-0489	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	159.89	47.80
28 46 21 33-0490	EA		Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131)	162.58	47.80
28 46 21 33-0491	EA		Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132)	162.58	47.80
28 46 21 33-0492	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	167.30	47.80
28 46 21 33-0493	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	165.12	47.80
28 46 21 33-0494	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	167.30	47.80
28 46 21 33-0495	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	165.12	47.80
28 46 21 33-0496	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227)	159.89	47.80

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0497	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	159.89	47.80
28 46 21 33-0498	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	159.89	47.80
28 46 21 33-0499	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	159.89	47.80
28 46 21 33-0500			Interior Strobe (28 46 21 33-0403)		
28 46 21 33-0501	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101).....	142.87	47.80
28 46 21 33-0502	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102).....	142.87	47.80
28 46 21 33-0503	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103).....	142.83	47.80
28 46 21 33-0504	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104).....	142.87	47.80
28 46 21 33-0505	EA		Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105).....	153.05	47.80
28 46 21 33-0506	EA		Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106).....	153.05	47.80
28 46 21 33-0507	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109).....	153.70	47.80
28 46 21 33-0508	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110).....	155.47	47.80
28 46 21 33-0509	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111).....	155.47	47.80
28 46 21 33-0510	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112).....	155.47	47.80
28 46 21 33-0511	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201).....	142.87	47.80
28 46 21 33-0512	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202).....	142.87	47.80
28 46 21 33-0513	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203).....	142.87	47.80
28 46 21 33-0514	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204).....	142.87	47.80
28 46 21 33-0515			Interior Speakers (28 46 21 33-0403)		
28 46 21 33-0516	EA		Red With White "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716).....	124.16	47.80
28 46 21 33-0517	EA		White With Red "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717).....	124.16	47.80
28 46 21 33-0518	EA		Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721).....	124.16	47.80
28 46 21 33-0519			Interior Speaker Strobe (28 46 21 33-0403)		
28 46 21 33-0520	EA		Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151).....	175.83	47.80
28 46 21 33-0521	EA		White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153).....	175.83	47.80
28 46 21 33-0522			Surge Suppressors (28 46 21 33-0403)		
28 46 21 33-0523	EA		Overvoltage Suppressor (Simplex 2081-9044).....	94.91	9.56
28 46 21 33-0524	EA		Isolated Loop Circuit Protector (Simplex 2081-9028).....	63.72	9.56
28 46 21 33-0525	EA		120 VAC, 20 Amp Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A).....	193.70	9.56
28 46 21 33-0526	EA		24 VAC Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B).....	71.76	9.56
28 46 21 33-0527	EA		Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB).....	109.46	15.93
28 46 21 33-0528	EA		120 VAC, 22,500 Amp, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW).....	76.98	9.56
28 46 21 33-0529	EA		<105 VAC, 9,000 Amp, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP).....	59.83	9.56
28 46 21 33-0530			Boxes And Adapters (28 46 21 33-0403)		
28 46 21 33-0531	EA		Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921).....	56.63	15.93
28 46 21 33-0532	EA		Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925).....	54.38	15.93
28 46 21 33-0533	EA		Red, Surface Mount Adapter Skirt (Simplex 4905-9937).....	49.97	15.93
28 46 21 33-0534	EA		White, Surface Mount Adapter Skirt (Simplex 4905-9940).....	43.71	15.93
28 46 21 33-0535			Accessories (28 46 21 33-0403)		
28 46 21 33-0536	EA		End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008).....	34.49	15.93
28 46 21 33-0537			Siemens Fire Alarm (28 46 21 33)		
28 46 21 33-0538			Conventional Control Panels (28 46 21 33-0538)		
28 46 21 33-0539			SXL Batteries And Power Supplies (28 46 21 33-0539)		
28 46 21 33-0540	EA		6 Amp Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3).....	786.99	63.73
28 46 21 33-0541	EA		Main Board Only For PAD-3 (Siemens PAD-3-MB).....	644.74	63.73
28 46 21 33-0542			Digital Fire Communicators (28 46 21 33-0538)		
28 46 21 33-0543	EA		Four Channel Digital Slave Fire Communicator (Siemens 5129).....	625.99	63.73

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

28 46 21 33-0544			Addressable Control Panels (28 46 21 33-0537)		
28 46 21 33-0545			Fireseeker Equipment (28 46 21 33-0544)		
28 46 21 33-0546			FS-250 System Panels (28 46 21 33-0545)		
28 46 21 33-0547	EA		FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT).....	2,319.46	637.28
			Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		
28 46 21 33-0548	EA		FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT).....	2,753.97	637.28
			Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 21 33-0549	EA		FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT).....	1,756.76	509.82
			Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 21 33-0550	EA		Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON).....	2,322.04	637.28
28 46 21 33-0551			FS-250 Optional Modules (28 46 21 33-0545)		
28 46 21 33-0552	EA		Main Board Module (Siemens FS-MB2).....	792.16	63.73
28 46 21 33-0553	EA		Display Board Module (Siemens FS-DB2).....	601.70	31.87
28 46 21 33-0554	EA		Device Loop Card (Siemens FS-DLC).....	498.25	31.87
28 46 21 33-0555	EA		Releasing Module (Siemens FS-REL).....	237.02	31.87
28 46 21 33-0556	EA		Remote LCD Annunciator (Siemens FS-RD2).....	495.01	31.87
28 46 21 33-0557	EA		Relay Processor Card (Siemens FS-RU2).....	433.59	31.87
28 46 21 33-0558	EA		Relay Expander Board (Siemens FS-RE8).....	374.10	31.87
28 46 21 33-0559	EA		Serial Annunciator Processor Card (Siemens FS-SAU2).....	495.01	31.87
28 46 21 33-0560	EA		16 Output Annunciator Extender (Siemens FS-SAE16).....	392.20	31.87
28 46 21 33-0561	EA		Digital Alarm Communication Transmitter (Siemens FS-DACT).....	359.23	31.87
28 46 21 33-0562	EA		Municipal Tie Module (Siemens FS-MT).....	309.44	31.87
28 46 21 33-0563	EA		Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2).....	313.03	
28 46 21 33-0564	EA		Programming Cable Kit (Siemens CBL-UD).....	81.66	15.93
28 46 21 33-0565	EA		Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE).....	149.73	31.87
28 46 21 33-0566	EA		Releasing Power Transformer (Siemens FS-RPT-A).....	151.67	31.87
28 46 21 33-0567	EA		Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB).....	162.20	25.49
28 46 21 33-0568	EA		Cabinet Trim Kit (Siemens RD-CAB-TK).....	241.37	15.93
28 46 21 33-0569			Firefinder Systems (28 46 21 33-0544)		
28 46 21 33-0570			XLS Basic Fire System Packages Without Backbox (28 46 21 33-0569)		
28 46 21 33-0571	EA		500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP).....	7,303.57	637.28
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 21 33-0572	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP).....	6,565.15	637.28
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 21 33-0573	EA		250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP).....	6,565.15	637.28
			Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 21 33-0574	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD).....	10,235.25	637.28
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.		
28 46 21 33-0575	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD).....	10,541.74	637.28
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.		
28 46 21 33-0576	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP).....	6,490.79	637.28
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 21 33-0577	EA		250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP).....	6,490.79	637.28
			Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 21 33-0578	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP).....	7,354.65	637.28
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 21 33-0579			Firefinder - XLS Basic System Equipment (28 46 21 33-0569)		
28 46 21 33-0580	EA		Person Machine Interface With Central Processor (Siemens PMI).....	3,429.67	637.28
			Note: Includes inner door.		
28 46 21 33-0581	EA		Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC).....	5,337.78	637.28
			Note: Includes inner door.		

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0582	EA		Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT) Note: Includes inner door.	3,429.67	637.28
28 46 21 33-0583	EA		Two Slot Card Cage (Siemens CC-2)	384.44	31.87
28 46 21 33-0584	EA		Five Slot Card Cage (Siemens CC-5)	630.80	31.87
28 46 21 33-0585	EA		Four Circuit Zone Indicating Card (Siemens ZIC-4A)	889.44	31.87
28 46 21 33-0586	EA		Eight Circuit Zone Indicating Card (Siemens ZIC-8B)	927.59	31.87
28 46 21 33-0587	EA		Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C)	312.02	31.87
28 46 21 33-0588	EA		Device Loop Card (Siemens DLC)	1,049.15	31.87
			Note: Interfaces with up to 252 detectors and devices.		
28 46 21 33-0589	EA		Controllable Relay Card (Siemens CRC-6)	606.23	31.87
			Note: Provides six programmable relays.		
28 46 21 33-0590	EA		12 Amp Power Supply Charger Module (Siemens PSC-12)	2,218.85	31.87
28 46 21 33-0591	EA		Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI)	4,292.23	637.28
			Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.		
28 46 21 33-0592	EA		Network Interface Card (Siemens NIC-C)	704.51	31.87
			Note: Provides HNET Or XNET communication between enclosures.		
28 46 21 33-0593	EA		12 Amp Power Supply Extender (Siemens PSX-12)	1,850.29	31.87
			Note: Extends PSC-12 with an additional 24 volt DC.		
28 46 21 33-0594	EA		Power Termination Board (Siemens PTB)	335.30	31.87
			Note: Used with systems requiring more than one PSX-12.		
28 46 21 33-0595	EA		Conventional Detector Card (Siemens CDC-4)	679.94	31.87
28 46 21 33-0596	EA		Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS)	1,305.20	31.87
28 46 21 33-0597	EA		Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS)	4,620.97	31.87
28 46 21 33-0598			Remote Lobby Enclosure (28 46 21 33-0599)		
28 46 21 33-0599	EA		14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2)	957.76	127.46
			Note: Flush mounted. Includes clear lens plate on cover.		
28 46 21 33-0600	EA		24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4)	1,203.47	127.46
			Note: Flush mounted. Includes clear lens plate on cover.		
28 46 21 33-0601	EA		Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP)	162.66	31.87
			Note: Required to mount up to four SIM-16 or OCM-16 modules.		
28 46 21 33-0602	EA		Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP)	174.95	31.87
			Note: Required to mount up to eight SIM-16 or OCM-16 modules.		
28 46 21 33-0603			Battery Enclosures (28 46 21 33-0604)		
28 46 21 33-0604	EA		Enclosure For 100 Amp Hours Batteries (Siemens CAB-BATT)	637.05	127.46
28 46 21 33-0605			Graphic Annunciator Output Drivers And Inputs (28 46 21 33-0606)		
28 46 21 33-0606	EA		Output Control Module (Siemens OCM-16)	445.87	31.87
28 46 21 33-0607	EA		Supervised Input Module (Siemens SIM-16)	445.87	31.87
28 46 21 33-0608			Remote LCD Displays (28 46 21 33-0609)		
28 46 21 33-0609	EA		Remote LED/LCD System Status Display (Siemens SSD)	1,053.11	95.59
			Note: No control or menu capability.		
28 46 21 33-0610	EA		Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C)	1,176.61	95.59
28 46 21 33-0611			Voice Equipment (28 46 21 33-0612)		
28 46 21 33-0612	EA		40W Zone Amplifier Card (Siemens ZAC-40)	989.66	31.87
28 46 21 33-0613	EA		180W Zone Amplifier Module (Siemens ZAM-180)	2,158.07	31.87
28 46 21 33-0614	EA		Live Voice Module (Siemens LVM)	925.65	31.87
			Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.		
28 46 21 33-0615			MXL Series Equipment (28 46 21 33-0616)		
28 46 21 33-0616			MXL Optional Equipment (28 46 21 33-0617)		
28 46 21 33-0617	EA		Two Circuit Analog Loop Driver (Siemens ALD-2I)	1,092.19	63.73
28 46 21 33-0618	EA		CXL/MXL Interface Module (Siemens CMI-300)	2,701.86	31.87
28 46 21 33-0619	EA		Four Relay Programmable Relay Module (Siemens CRM-4)	487.90	31.87
28 46 21 33-0620	EA		Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4)	582.95	31.87
28 46 21 33-0621	EA		Remote Conventional Zone Module (Siemens CZM-1B6)	237.67	31.87
28 46 21 33-0622	EA		Short Circuit Line Isolator Module (Siemens Model LIM-1)	158.13	31.87
28 46 21 33-0623	EA		Four Circuit Conventional Zone Module (Siemens CZM-4)	568.08	31.87
28 46 21 33-0624	EA		12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD)	237.84	47.80
28 46 21 33-0625	EA		Lexan Window For RCC (Siemens GENBOX-WD)	155.08	25.49
28 46 21 33-0626	EA		Input Driver Module (Siemens MID-16)	382.50	31.87
28 46 21 33-0627	EA		Programmable Output Driver Module (Siemens MOD-16)	382.50	31.87
28 46 21 33-0628	EA		MXL Output/Input Module (Siemens MOI-7)	594.59	31.87
28 46 21 33-0629	EA		Two Slot Network Option Module Card Cage (Siemens MOM-2)	330.13	31.87
28 46 21 33-0630	EA		Four Slot Network Option Module Card Cage (Siemens MOM-4)	502.77	31.87
28 46 21 33-0631	EA		12 Amp, 220 VAC Power Supply For MXL (Siemens MPS-12/220)	1,252.26	95.59
28 46 21 33-0632	EA		12 Amp, 240 VAC Power Supply For MXL (Siemens MPS-12/240)	1,252.26	95.59
28 46 21 33-0633	EA		Network Interface Module (Siemens NIM-1W)	872.63	31.87
28 46 21 33-0634	EA		U.L. Listed Parallel Printer (Siemens PAL-1)	2,324.03	127.46
28 46 21 33-0635	EA		Peripheral Interface Module, Model PIM-1 (Siemens 500-691324)	276.46	31.87
28 46 21 33-0636	EA		Surface Mounted Remote Command Center (Siemens RCC-1)	2,997.74	637.28
28 46 21 33-0637	EA		Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL)	355.71	63.73
28 46 21 33-0638	EA		Flush Mounted Remote Command Center (Siemens RCC-1F)	2,997.74	637.28
28 46 21 33-0639	EA		Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL)	363.47	63.73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0640	EA		Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....	2,438.43	637.28
28 46 21 33-0641	EA		MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	3,362.42	637.28
28 46 21 33-0642	EA		RCC-2/RSE-1 Trim Ring (Siemens RCF-1).....	60.97	15.93
28 46 21 33-0643	EA		Remote Diagnostics Module For MXL (Siemens RDM-MXL).....	3,489.78	63.73
28 46 21 33-0644	EA		Remote Diagnostics Module For PC (Siemens RDM-PC).....	7,367.44	63.73
28 46 21 33-0645	EA		Releasing End Of Line Module (Siemens REL-EOL).....	134.21	31.87
28 46 21 33-0646	EA		36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC).....	2,246.37	63.73
28 46 21 33-0647	EA		36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	2,147.44	63.73
28 46 21 33-0648	EA		8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1).....	1,225.46	127.46
28 46 21 33-0649			Complete MXL And MXLV System Packages Without Enclosure (28 46 21 33-0615)		
28 46 21 33-0650	EA		MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP)..... Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.	9,175.48	637.28
28 46 21 33-0651	EA		MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP)..... Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.	11,598.93	637.28
28 46 21 33-0652	EA		MXLV Demonstration Panel (Siemens MXLV DEMO).....	22,917.02	637.28
28 46 21 33-0653			MXL Basic System (28 46 21 33-0615)		
28 46 21 33-0654	EA		MXL/MXLV Main Control Board (Siemens MMB-3).....	6,126.11	637.28
28 46 21 33-0655	EA		MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL)..... Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.	7,573.85	637.28
28 46 21 33-0656	EA		MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2).....	1,903.67	63.73
28 46 21 33-0657	EA		MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5).....	2,370.52	63.73
28 46 21 33-0658	EA		6 Amp Power Supply For MXL (Siemens MPS-6).....	889.52	95.59
28 46 21 33-0659	EA		220/240 VAC Adapter Cable (Siemens CIA-12).....	73.90	15.93
28 46 21 33-0660			MXL/MXLV System Expansion Accessories (28 46 21 33-0615)		
28 46 21 33-0661	EA		MXL Remote Power Supply Module (Siemens PSR-1).....	1,072.51	95.59
28 46 21 33-0662	EA		Style 4 Communication Module (Siemens NET-4).....	231.20	31.87
28 46 21 33-0663	EA		Style 7 Communication Module (Siemens NET-7).....	397.38	31.87
28 46 21 33-0664	EA		MXL/MXLV IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6).....	249.95	31.87
28 46 21 33-0665			Peripheral Devices (28 46 21 33-0544)		
28 46 21 33-0666			Thermal Detectors (28 46 21 33-0665)		
28 46 21 33-0667	EA		Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R).....	127.27	47.80
28 46 21 33-0668	EA		Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R).....	127.27	47.80
28 46 21 33-0669	EA		135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....	127.27	47.80
28 46 21 33-0670	EA		200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....	127.27	47.80
28 46 21 33-0671	EA		Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....	175.77	47.80
28 46 21 33-0672	EA		Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....	175.77	47.80
28 46 21 33-0673	EA		Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP).....	371.69	47.80
28 46 21 33-0674			Beam Smoke Detector (28 46 21 33-0665)		
28 46 21 33-0675	EA		Linear Beam Smoke Detector (Siemens PBA-1191).....	1,631.53	47.80
28 46 21 33-0676	EA		Base For Linear Beam Smoke Detector (Siemens PBB-1191).....	192.23	15.93
28 46 21 33-0677	EA		20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192).....	194.17	15.93
28 46 21 33-0678	EA		10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193).....	106.23	15.93
28 46 21 33-0679			Bases For Detectors (28 46 21 33-0665)		
28 46 21 33-0680	EA		Detector Base (Siemens DB-11).....	41.57	15.93
28 46 21 33-0681	EA		Universal Base (Siemens DB-3S).....	39.63	15.93
28 46 21 33-0682			Manual Stations (28 46 21 33-0665)		
28 46 21 33-0683	EA		Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP).....	231.01	38.24
28 46 21 33-0684			Addressable Devices (28 46 21 33-0544)		
28 46 21 33-0685			Intelligent Detectors And Devices For Firefinder XLS And FS-250 (28 46 21 33-0684)		
28 46 21 33-0686	EA		Addressable Fireprint Fire Detector (Siemens HFP-11).....	206.81	47.80
28 46 21 33-0687	EA		Addressable Thermal Fire Detector (Siemens HFPT-11).....	184.17	47.80
28 46 21 33-0688	EA		Relay Base For H-Series Intelligent Detectors (Siemens DB-HR).....	157.66	47.80
28 46 21 33-0689	EA		Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC).....	119.51	47.80
28 46 21 33-0690	EA		Wall Mounted Remote Alarm Indicator (Siemens RL-HW).....	119.51	47.80
28 46 21 33-0691	EA		Addressable Single Action Manual Pull Station (Siemens HMS-S).....	200.16	31.87
28 46 21 33-0692	EA		Addressable Double Action Manual Pull Station (Siemens HMS-D).....	192.40	31.87

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 21 33-0693	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S).....	158.13	31.87
28 46 21 33-0694	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D).....	187.23	31.87
28 46 21 33-0695	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R).....	187.23	31.87
28 46 21 33-0696	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M).....	148.43	31.87
28 46 21 33-0697	EA	Line Isolator Module (Siemens HLIM).....	152.31	31.87
28 46 21 33-0698	EA	Remote Convention Zone Module (Siemens HZM).....	211.80	31.87
28 46 21 33-0699	EA	Intelligent Control Point Module (Siemens HCP).....	260.94	31.87
28 46 21 33-0700	EA	Handheld Programming And Testing Unit (Siemens DPU).....	1,040.57	
28 46 21 33-0701	EA	DPU Carrying Case (Siemens DPU-C1).....	166.54	
28 46 21 33-0702	EA	Label Printer And Carrying Case (Siemens DPU-PRT).....	1,786.27	31.87
28 46 21 33-0703 Air Duct Housings And Detectors (28 46 21 33-0684)				
28 46 21 33-0704	EA	Air-Duct Housing (Siemens AD2-P).....	210.69	25.49
28 46 21 33-0705	EA	Air-Duct Housing With Relay (Siemens AD2-XHR).....	235.26	25.49
28 46 21 33-0706	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000).....	198.87	31.87
28 46 21 33-0707	EA	6" To 1' Duct Sampling Tube (Siemens ST-10).....	32.05	9.56
28 46 21 33-0708	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25).....	40.36	12.75
28 46 21 33-0709	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50).....	50.62	15.93
28 46 21 33-0710	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100).....	59.58	19.12
28 46 21 33-0711 Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 46 21 33-0684)				
28 46 21 33-0712	EA	Addressable Fireprint Fire Detector (Siemens FP-11).....	213.92	47.80
28 46 21 33-0713	EA	Addressable Thermal Fire Detector (Siemens FPT-11).....	189.99	47.80
28 46 21 33-0714	EA	Intelligent Ionization Smoke Detector (Siemens ILI-1).....	232.02	47.80
28 46 21 33-0715	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B).....	195.64	31.87
28 46 21 33-0716	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B).....	213.09	31.87
28 46 21 33-0717	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S).....	197.58	31.87
28 46 21 33-0718	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D).....	215.68	31.87
28 46 21 33-0719	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R).....	215.68	31.87
28 46 21 33-0720 Detector Universal Bases (28 46 21 33-0684)				
28 46 21 33-0721	EA	Detector Base With Relay (Siemens DB-X11RS).....	93.30	15.93
28 46 21 33-0722	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT).....	54.50	15.93
28 46 21 33-0723	EA	Locking Kit (Siemens LK-11).....	13.27	
28 46 21 33-0724	EA	Detector Base With Relay (Siemens DB-X3RS).....	93.30	15.93
28 46 21 33-0725	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11).....	106.23	15.93
28 46 21 33-0726	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX).....	52.56	15.93
28 46 21 33-0727	EA	Flush Trim Ring For Bases (Siemens RA-ADB).....	26.88	9.56
28 46 21 33-0728	EA	Seal For DB-11 (Siemens DB11-SEAL).....	14.82	
28 46 21 33-0729	EA	Gasket For DB-11 (Siemens DB-SEAL).....	15.68	
28 46 21 33-0730	EA	Detector Guard Housing (Siemens DGH-11).....	130.15	15.93
28 46 21 33-0731	EA	Small Detector Base (Siemens DB-11E).....	44.16	15.93
28 46 21 33-0732	EA	Audible Base For Series 3 (Siemens ADBI-60A).....	117.87	15.93
28 46 21 33-0733	EA	Base Plug (Siemens DB-11-DP).....	13.24	
28 46 21 33-0734 Air Duct Smoke Detectors (28 46 21 33-0684)				
28 46 21 33-0735	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR).....	116.10	31.87
28 46 21 33-0736	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3).....	482.08	31.87
28 46 21 33-0737 Notification Devices (28 46 21 33-0544)				
28 46 21 33-0738 Synchronization Control Devices (28 46 21 33-0737)				
28 46 21 33-0739	EA	Dual Synchronization Control Module (Siemens DSC).....	158.13	31.87
28 46 21 33-0740 Stand Alone Strobes (28 46 21 33-0737)				
28 46 21 33-0741	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R).....	150.55	47.80
28 46 21 33-0742	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R).....	160.25	47.80
28 46 21 33-0743	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR).....	150.55	47.80
28 46 21 33-0744	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR).....	160.25	47.80
28 46 21 33-0745	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW).....	160.25	47.80
28 46 21 33-0746	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW).....	150.55	47.80
28 46 21 33-0747	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R).....	167.36	47.80
28 46 21 33-0748	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP).....	162.19	47.80
28 46 21 33-0749	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP).....	162.19	47.80
28 46 21 33-0750	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP).....	170.60	47.80
28 46 21 33-0751	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP).....	170.60	47.80
28 46 21 33-0752 Horns And Strobes (28 46 21 33-0737)				
28 46 21 33-0753	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R).....	188.70	47.80
28 46 21 33-0754	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R).....	197.11	47.80
28 46 21 33-0755	EA	Wall Mounted Horn (Siemens SE-R).....	127.27	47.80
28 46 21 33-0756	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR).....	188.70	47.80
28 46 21 33-0757	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR).....	197.11	47.80
28 46 21 33-0758	EA	Ceiling Mounted Horn (Siemens SEC-R).....	131.15	47.80
28 46 21 33-0759	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R).....	188.70	47.80
28 46 21 33-0760	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R).....	197.11	47.80
28 46 21 33-0761	EA	Wall Mounted Low Profile Horn (Siemens SEF-R).....	127.27	47.80

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0762	EA		Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW).....	188.70	47.80
28 46 21 33-0763	EA		Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW).....	197.11	47.80
28 46 21 33-0764	EA		Ceiling Mounted Low Profile Horn (Siemens SEF-CR).....	131.15	47.80
28 46 21 33-0765	EA		Mini Horn (Siemens MH-R).....	113.05	47.80
28 46 21 33-0766	EA		Indoor/Outdoor Multi Tone Horn (Siemens MTH-R).....	132.45	47.80
28 46 21 33-0767	EA		Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R).....	180.29	47.80
28 46 21 33-0768	EA		Industrial Tri-Tone Horn (Siemens ASR).....	435.05	47.80
28 46 21 33-0769	EA		Wall Mounted Horn (Siemens HS-R).....	132.45	47.80
28 46 21 33-0770	EA		Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R).....	180.94	47.80
28 46 21 33-0771	EA		Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R).....	191.29	47.80
28 46 21 33-0772	EA		6" Motor Bell (Siemens MBDC-6).....	145.38	47.80
28 46 21 33-0773	EA		10" Motor Bell (Siemens MBDC-10).....	155.08	47.80
28 46 21 33-0774			Mounting Accessories (28 46 21 33-0737)		
28 46 21 33-0775	EA		Concealed Conduit Adapter Plate (Siemens APS-R).....	39.63	15.93
28 46 21 33-0776	EA		4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R).....	39.63	15.93
28 46 21 33-0777	EA		4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R).....	40.28	15.93
28 46 21 33-0778	EA		Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX).....	55.79	15.93
28 46 21 33-0779	EA		White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W).....	47.39	15.93
28 46 21 33-0780	EA		Surface Mounted Speaker Backbox (Siemens SBBS-R).....	49.33	15.93
28 46 21 33-0781	EA		Surface Mounted Speaker Backbox (Siemens SBL2S-R).....	51.91	15.93
28 46 21 33-0782	EA		Square Semi-Flush Extension Ring (Siemens SERS-R).....	44.16	15.93
28 46 21 33-0783	EA		Semi-Flush Plate (Siemens SFPS-R).....	38.98	15.93
28 46 21 33-0784	EA		Square Surface Backbox (Siemens SHBS-R).....	44.16	15.93
28 46 21 33-0785	EA		Horn Adapter Plate (Siemens SHMPS-R).....	42.86	15.93
28 46 21 33-0786	EA		Ceiling Speaker Extension Ring (Siemens SPEXT-R).....	39.63	15.93
28 46 21 33-0787	EA		Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R).....	47.39	15.93
28 46 21 33-0788	EA		Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R).....	49.33	15.93
28 46 21 33-0789	EA		Weatherproof Speaker Backbox (Siemens WBBS-R).....	48.03	15.93
28 46 21 33-0790	EA		Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B).....	51.91	15.93
28 46 21 33-0791	EA		Weatherproof Flush Plate (Siemens WFPAS-R).....	51.91	15.93
28 46 21 33-0792	EA		Weatherproof Horn Flush Plate (Siemens WFPS-R).....	51.91	15.93
28 46 21 33-0793	EA		Weatherproof Horn Backbox (Siemens WPBBS-R).....	49.33	15.93
28 46 21 33-0794	EA		Weatherproof Strobe Backbox (Siemens WPSBBS-R).....	49.33	15.93
28 46 21 33-0795	EA		Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT).....	39.63	15.93
28 46 21 33-0796	EA		Z Series Backbox (Siemens ZBB-R).....	42.86	15.93
28 46 21 33-0797			Door Holders (28 46 21 33-0737)		
28 46 21 33-0798	EA		120 VAC Concealed Wiring Fire Door Holder (Siemens SDH-2A).....	262.41	47.80
28 46 21 33-0799	EA		24 VDC Concealed Wiring Fire Door Holder (Siemens SDH-2D).....	262.41	47.80
28 46 21 33-0800			Voice Equipment (28 46 21 33-0544)		
28 46 21 33-0801			Voicecom (28 46 21 33-0800)		
28 46 21 33-0802	EA		Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM).....	3,935.31	637.28
28 46 21 33-0803	EA		Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L).....	5,907.44	637.28
28 46 21 33-0804			Honeywell Fire Alarm (28 46 21 33)		
28 46 21 33-0805			Notifier Fire Alarm (28 46 21 33-0804)		
28 46 21 33-0806			Fire Alarm Control Panel And Accessories (28 46 21 33-0805)		
28 46 21 33-0807	EA		NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D).....	4,883.90	637.28
28 46 21 33-0808	EA		NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640).....	4,207.09	637.28
28 46 21 33-0809	EA		Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320).....	4,875.93	637.28
28 46 21 33-0810	EA		Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C).....	5,001.67	637.28
28 46 21 33-0811	EA		Black, 240 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E).....	4,895.50	637.28
28 46 21 33-0812	EA		Red, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R).....	4,895.50	637.28
28 46 21 33-0813	EA		Two-Tone Sequential Module (Notifier 2TTM).....	233.24	31.87
28 46 21 33-0814	EA		5', Not Low Loss, Antenna Cable (Notifier 7626-5C).....	68.06	6.37
28 46 21 33-0815	EA		25', Low Loss, Antenna Cable (Notifier 7626-25HC).....	132.55	12.75
28 46 21 33-0816	EA		50', Low Loss, Antenna Cable (Notifier 7626-50HC).....	201.51	19.12
28 46 21 33-0817	EA		IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P).....	299.77	
28 46 21 33-0818	EA		RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119).....	42.82	
28 46 21 33-0819	EA		120VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS).....	4,808.96	637.28
28 46 21 33-0820	EA		240VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE).....	4,808.96	637.28
28 46 21 33-0821	EA		3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB).....	165.31	6.37
28 46 21 33-0822	EA		Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER).....	52.90	6.37
28 46 21 33-0823	EA		Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT).....	70.10	12.75
28 46 21 33-0824	EA		Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT).....	80.05	15.93
28 46 21 33-0825	EA		IP Communicator (Notifier IPDACT-2).....	559.77	31.87
28 46 21 33-0826	EA		IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD).....	648.99	31.87
28 46 21 33-0827	EA		Red, IP Communicator External Mounting Enclosure (Notifier IPENC).....	162.76	31.87
			Note: Includes IPBRKT.		
28 46 21 33-0828	EA		Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B).....	162.76	31.87
			Note: Includes IPBRKT.		

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

28 46 21 33-0829	EA	Single Or Dual Path Commercial Fire Communicator (Notifier IPGSM-4G).....	782.55	47.80
28 46 21 33-0830	EA	Dual 8TPC To Single 8TPC "Y" Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT).....	45.12	12.75
28 46 21 33-0831	EA	Loop Control Module (Notifier LCM-320).....	1,462.50	63.73
28 46 21 33-0832	EA	Loop Expander Module (Notifier LEM-320).....	1,273.17	63.73
28 46 21 33-0833	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2).....	1,121.89	63.73
28 46 21 33-0834	EA	7' DACT Phone Cord (Notifier MCBL-7).....	21.67	
28 46 21 33-0835	EA	Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1).....	144.28	15.93
28 46 21 33-0836	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R).....	176.14	31.87
28 46 21 33-0837	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B).....	176.14	31.87
28 46 21 33-0838	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2).....	621.33	31.87
28 46 21 33-0839	EA	Universal Zone Coder (Notifier UZC-256).....	830.99	31.87
28 46 21 33-0840	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI)..... Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.	250.06	
28 46 21 33-0841	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD).....	626.05	
28 46 21 33-0842	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD).....	440.48	
28 46 21 33-0843	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS).....	3,807.62	19.12

28 46 21 33-0844**ONYX Cabinets (28 46 21 33-0805)**

28 46 21 33-0845	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R).....	359.29	15.93
28 46 21 33-0846	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R).....	477.06	15.93
28 46 21 33-0847	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R).....	585.90	15.93
28 46 21 33-0848	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4).....	98.01	19.12
28 46 21 33-0849	EA	Chassis Bridge (Notifier CB-1).....	85.40	15.93
28 46 21 33-0850	EA	Four Position Chassis (Notifier CHS-4).....	138.04	15.93
28 46 21 33-0851	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2).....	168.13	31.87
28 46 21 33-0852	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B).....	79.73	19.12
28 46 21 33-0853	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP).....	106.04	19.12
28 46 21 33-0854	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4).....	290.22	31.87
28 46 21 33-0855	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B).....	193.78	31.87
28 46 21 33-0856	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4).....	373.39	47.80
28 46 21 33-0857	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B).....	245.11	47.80
28 46 21 33-0858	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4).....	551.24	63.73
28 46 21 33-0859	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B).....	355.72	63.73
28 46 21 33-0860	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4).....	670.69	79.66
28 46 21 33-0861	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B).....	417.66	79.66
28 46 21 33-0862	EA	Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4).....	205.84	15.93
28 46 21 33-0863	EA	Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B).....	140.71	15.93
28 46 21 33-0864	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR).....	132.68	15.93
28 46 21 33-0865	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R).....	206.73	15.93
28 46 21 33-0866	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR).....	163.02	15.93
28 46 21 33-0867	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R).....	260.26	15.93
28 46 21 33-0868	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR).....	182.65	15.93
28 46 21 33-0869	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R).....	312.01	15.93
28 46 21 33-0870	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR).....	262.05	15.93
28 46 21 33-0871	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R).....	459.21	15.93
28 46 21 33-0872	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR).....	292.38	15.93
28 46 21 33-0873	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R).....	547.54	15.93
28 46 21 33-0874	EA	Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4).....	287.66	31.87
28 46 21 33-0875	EA	Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4).....	410.78	31.87
28 46 21 33-0876	EA	Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4).....	481.26	31.87
28 46 21 33-0877	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4).....	307.29	31.87
28 46 21 33-0878	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4).....	438.44	31.87
28 46 21 33-0879	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4).....	507.13	31.87
28 46 21 33-0880	EA	Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R).....	287.66	31.87
28 46 21 33-0881	EA	Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R).....	410.78	31.87
28 46 21 33-0882	EA	Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R).....	481.26	31.87
28 46 21 33-0883	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R).....	307.29	31.87
28 46 21 33-0884	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R).....	438.44	31.87
28 46 21 33-0885	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R).....	507.13	31.87
28 46 21 33-0886	EA	Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC).....	2,680.33	159.32
28 46 21 33-0887	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB)..... Note: Includes chassis, hinged dress plate, and mounting hardware.	264.47	31.87
28 46 21 33-0888	EA	Black, One Tier Backbox Assembly (Notifier SBB-A4).....	341.59	95.59
28 46 21 33-0889	EA	Black, Two Tier Backbox Assembly (Notifier SBB-B4).....	476.97	127.46
28 46 21 33-0890	EA	Black, Three Tier Backbox Assembly (Notifier SBB-C4).....	596.41	127.46
28 46 21 33-0891	EA	Black, Four Tier Backbox Assembly (Notifier SBB-D4).....	729.15	159.32
28 46 21 33-0892	EA	Black, Mini, One Tier, Backbox (Notifier SBB-AA4).....	176.14	31.87
28 46 21 33-0893	EA	Red, Mini, One Tier, Backbox (Notifier SBB-AA4R).....	176.14	31.87
28 46 21 33-0894	EA	Red, One Tier Backbox Assembly (Notifier SBB-A4R).....	215.40	31.87
28 46 21 33-0895	EA	Red, Two Tier Backbox Assembly (Notifier SBB-B4R).....	287.66	31.87
28 46 21 33-0896	EA	Red, Three Tier Backbox Assembly (Notifier SBB-C4R).....	408.10	31.87
28 46 21 33-0897	EA	Red, Four Tier Backbox Assembly (Notifier SBB-D4R).....	477.69	31.87
28 46 21 33-0898	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320).....	156.01	19.12
28 46 21 33-0899	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R).....	156.01	19.12
28 46 21 33-0900	EA	Black, "AA" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4).....	200.61	19.12
28 46 21 33-0901	EA	Black, "A" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4).....	165.82	19.12
28 46 21 33-0902	EA	Black, "B" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4).....	165.82	19.12
28 46 21 33-0903	EA	Black, "C" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4).....	164.03	19.12
28 46 21 33-0904	EA	Black, "D" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4).....	167.60	19.12
28 46 21 33-0905	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B).....	74.37	19.12
28 46 21 33-0906	EA	Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2).....	44.42	6.37

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

28 46 21 33-0907			NFS2-3030/640 Cabinet Mechanicals (28 46 21 33-0805)		
28 46 21 33-0908	EA		Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	102.82	19.12
28 46 21 33-0909	EA		Blank Module Dress Plate (Notifier BM-1B)	87.78	19.12
28 46 21 33-0910	EA		Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4)	97.52	19.12
28 46 21 33-0911	EA		Four Position Expansion Chassis (Notifier CHS-4MB)	200.49	15.93
28 46 21 33-0912	EA		Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	222.99	47.80
28 46 21 33-0913	EA		Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	106.36	19.12
28 46 21 33-0914			NFS-3030/640 Cabinet Mechanicals (28 46 21 33-0805)		
28 46 21 33-0915	EA		Annunciator Dress Plate (Notifier ADP-4B)	98.40	19.12
28 46 21 33-0916	EA		Blank Module Dress Plate (Notifier BMP-1)	67.44	19.12
28 46 21 33-0917	EA		Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L)	142.91	31.87
28 46 21 33-0918	EA		Module Dress Plate (Notifier MP-1B)	99.29	19.12
28 46 21 33-0919			Battery Cabinets (28 46 21 33-0805)		
28 46 21 33-0920	EA		Six Position Chassis (Notifier CHS-6)	101.15	31.87
28 46 21 33-0921	EA		Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB)	451.30	95.59
28 46 21 33-0922			Digital Voice (28 46 21 33-0805)		
28 46 21 33-0923	EA		Chassis Used With BB-XP (Notifier 18439)	50.16	15.93
28 46 21 33-0924	EA		220 VAC, 100 Watts, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E)	1,678.28	47.80
28 46 21 33-0925	EA		220 VAC, 120 Watts, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E)	1,631.89	47.80
28 46 21 33-0926	EA		220 VAC, 30 Watts, 25 VRMS Audio Amplifier (Notifier AA-30E)	799.50	47.80
28 46 21 33-0927	EA		Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4)	420.28	47.80
28 46 21 33-0928	EA		Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4)	568.94	63.73
28 46 21 33-0929	EA		Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4)	708.73	79.66
28 46 21 33-0930	EA		Multimode Audio Fiber Link Receiver (Notifier AFL-RM)	697.16	31.87
28 46 21 33-0931	EA		Single Mode Audio Fiber Link Receiver (Notifier AFL-RS)	1,518.84	31.87
28 46 21 33-0932	EA		Multimode Audio Fiber Link Transmitter (Notifier AFL-TM)	697.16	31.87
28 46 21 33-0933	EA		Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS)	1,518.84	31.87
28 46 21 33-0934	EA		15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX)	93.88	15.93
28 46 21 33-0935	EA		Flush Mounted, Key Lock, Door (Notifier AFAWS-KR)	145.17	15.93
28 46 21 33-0936	EA		Surface Mounted, Key Lock, Door (Notifier AFAWS-KS)	147.40	15.93
28 46 21 33-0937	EA		Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR)	145.62	15.93
28 46 21 33-0938	EA		Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS)	147.40	15.93
28 46 21 33-0939	EA		Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA)	270.08	15.93
28 46 21 33-0940	EA		Coil Cord, Telephone Chassis (Notifier AFAWS-TELC)	221.45	15.93
28 46 21 33-0941	EA		Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B)	61.82	
28 46 21 33-0942	EA		For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V)	474.12	31.87
28 46 21 33-0943	EA		For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V)	474.12	31.87
28 46 21 33-0944	EA		Blank Dress Plate For CA-2 (Notifier BP-CA2)	88.97	15.93
28 46 21 33-0945	EA		One Tier Chassis For Digital Voice Command Panel (Notifier CA-1)	127.43	31.87
28 46 21 33-0946	EA		Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2)	355.70	47.80
28 46 21 33-0947	EA		Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM)	181.50	31.87
28 46 21 33-0948	EA		Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR)	181.50	31.87
28 46 21 33-0949	EA		Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1)	196.03	15.93
28 46 21 33-0950	EA		Chassis With Paging Microphone With Well (Notifier CMIC-1)	223.68	15.93
28 46 21 33-0951	EA		120 VAC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025)	1,335.96	31.87
28 46 21 33-0952	EA		Multi-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F)	1,087.94	31.87
28 46 21 33-0953	EA		Single-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF)	1,087.94	31.87
28 46 21 33-0954	EA		120 VAC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070)	1,378.42	31.87
28 46 21 33-0955	EA		Multi-Mode Fiber-Optic Media 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F)	1,181.05	31.87
28 46 21 33-0956	EA		120 VAC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525)	1,430.62	31.87
28 46 21 33-0957	EA		Single-Mode Fiber-Optic Media 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	1,413.83	31.87
28 46 21 33-0958	EA		Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	1,413.83	31.87
28 46 21 33-0959	EA		220-240 VAC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E)	1,346.66	31.87
28 46 21 33-0960	EA		220-240 VAC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E)	1,389.48	31.87
28 46 21 33-0961	EA		220-240 VAC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E)	1,442.12	31.87
28 46 21 33-0962	EA		120 VAC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525)	928.23	31.87
28 46 21 33-0963	EA		220-240 VAC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E)	928.23	31.87
28 46 21 33-0964	EA		120 VAC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570)	986.22	31.87
28 46 21 33-0965	EA		220-240 VAC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E)	986.22	31.87
28 46 21 33-0966	EA		120 VAC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025)	1,023.69	31.87
28 46 21 33-0967	EA		220-240 VAC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E)	1,023.69	31.87
28 46 21 33-0968	EA		120 VAC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070)	1,081.68	31.87
28 46 21 33-0969	EA		220-240 VAC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E)	1,081.68	31.87
28 46 21 33-0970	EA		Dress Plate For CFFT-1 (Notifier DP-CFFT)	101.46	15.93
28 46 21 33-0971	EA		Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1)	93.98	19.12
28 46 21 33-0972	EA		Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4)	106.36	19.12
28 46 21 33-0973	EA		Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B)	172.72	19.12
28 46 21 33-0974	EA		WPS Power Amplifier (Notifier DPA3204P)	554.42	31.87
28 46 21 33-0975	EA		WPS Power Amplifier (Notifier DPA4001P)	469.66	31.87
28 46 21 33-0976	EA		Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232)	964.81	31.87
28 46 21 33-0977	EA		120 VAC, 125 Watts, 25 VRMS Digital Series Amplifier (Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V) (Notifier DS-AMP)	732.85	31.87
28 46 21 33-0978	EA		220-240 VAC, 125 Watts, 25 VRMS Digital Series Amplifier (Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V) (Notifier DS-AMPE)	732.85	31.87
28 46 21 33-0979	EA		Digital Series Distribution Board, Supports One To Four DS-Amp Or DS-AMPE (Notifier DS-DB)	1,223.54	31.87
28 46 21 33-0980	EA		125 Watts, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watts Amplifier With A DS-XF70V) (Notifier DS-BDA)	509.81	31.87
28 46 21 33-0981	EA		Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM)	268.93	31.87

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0982	EA		Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM)	268.93	31.87
28 46 21 33-0983	EA		Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM).....	268.93	31.87
28 46 21 33-0984	EA		Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watts, DS Series Transformer (Notifier DS-XF70V)	126.18	31.87
28 46 21 33-0985	EA		Analog Output Board For Digital Voice Command (Notifier DVC-AO)	253.94	31.87
28 46 21 33-0986	EA		Extended Memory For Digital Voice Command (Notifier DVC-EM)	1,346.57	31.87
28 46 21 33-0987	EA		Keypad For Digital Voice Command (Notifier DVC-KD).....	432.69	63.73
28 46 21 33-0988	EA		Replacement Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE)	192.97	
28 46 21 33-0989	EA		Fire Fighters Telephone Control With Master Handset (Notifier FFT-7).....	1,444.16	63.73
28 46 21 33-0990	EA		Portable Fireman's Telephone Handset (Notifier FHS)	124.72	
28 46 21 33-0991	EA		Red, Fireman's Telephone Handset (Notifier FHS-F)	124.72	
28 46 21 33-0992	EA		Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R)	355.47	31.87
28 46 21 33-0993	EA		Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S).....	355.47	31.87
28 46 21 33-0994	EA		Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ)	61.05	9.56
28 46 21 33-0995	EA		Paging Microphone Only (Notifier MIC-1)	179.63	31.87
28 46 21 33-0996	EA		Firefighter's Telephone Handset (Notifier TELH-1).....	136.76	
28 46 21 33-0997	EA		Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1).....	407.89	31.87
28 46 21 33-0998	EA		Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA)	407.89	31.87
28 46 21 33-0999			Amplifiers (28 46 21 33-0805)		
28 46 21 33-1000	EA		30 Watt Audio Amplifier At 25 VRMS, 120 VAC (Notifier AA-30).....	761.77	31.87
28 46 21 33-1001	EA		100 Watt Audio Amplifier At 70.7 VRMS, 120 VAC, Tone Generator (Notifier AA-100)	1,633.22	31.87
28 46 21 33-1002	EA		120 Watt Audio Amplifier At 25 VRMS, 120 VAC, Tone Generator (Notifier AA-120)	1,587.22	31.87
28 46 21 33-1003	EA		Audio Coupling Transformer (Notifier ACT-1).....	137.16	31.87
28 46 21 33-1004	EA		Audio Coupling Transformer For Analog Amplifiers (Notifier ACT-2).....	156.63	31.87
28 46 21 33-1005	EA		Audio Coupling Transformer For DVC-AO (Notifier ACT-4).....	156.63	31.87
28 46 21 33-1006	EA		Audio Coupling Transformer For DAA-5025 (Notifier ACT-25)	156.63	31.87
28 46 21 33-1007	EA		Audio Coupling Transformer For DAA-5070 (Notifier ACT-70)	156.63	31.87
28 46 21 33-1008			FireVoice-25/50 Emergency Voice Evacuation Control Panels (28 46 21 33-0805)		
28 46 21 33-1009	EA		25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50).....	3,420.74	637.28
28 46 21 33-1010	EA		Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA)	2,578.10	637.28
28 46 21 33-1011	EA		Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS).....	3,183.31	637.28
28 46 21 33-1012	EA		Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	3,974.75	637.28
28 46 21 33-1013	EA		Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	4,337.88	637.28
28 46 21 33-1014			System Printer (28 46 21 33-0805)		
28 46 21 33-1015	EA		80 Column, 120 VAC, Desktop Printer (Notifier PRN-6)	1,622.61	31.87
28 46 21 33-1016			Batteries (28 46 21 33-0805)		
28 46 21 33-1017	EA		5 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1250-BP)	470.55	31.87
28 46 21 33-1018	EA		7 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1270-BP)	366.30	31.87
28 46 21 33-1019	EA		12 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12120-BP)	474.24	31.87
28 46 21 33-1020	EA		18 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12180-BP)	286.68	31.87
28 46 21 33-1021	EA		26 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12260-BP)	391.08	31.87
28 46 21 33-1022	EA		55 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-12550).....	390.19	31.87
28 46 21 33-1023	EA		100 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-121000).....	606.77	31.87
28 46 21 33-1024			Battery Backboxes And Miscellaneous Mechanicals (28 46 21 33-0805)		
28 46 21 33-1025	EA		14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17).....	130.38	25.49
28 46 21 33-1026	EA		24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25)	192.83	25.49
			Note: XP6 modules require a CHS-6.		
28 46 21 33-1027	EA		15.6" x 15.5" x 5.152", Mounts Up To Two 26 Amp Hour And Charger, Battery Backbox (Notifier BB-26).....	394.70	127.46
28 46 21 33-1028	EA		Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH).....	190.80	63.73
28 46 21 33-1029	EA		Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH1).....	79.15	15.93
28 46 21 33-1030	EA		Battery Bracket For Two 26 Amp Hour Batteries (Notifier SEISKIT-BB25).....	210.68	25.49
28 46 21 33-1031	EA		Two 26 Amp Hour Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB)	166.96	25.49
28 46 21 33-1032	EA		Two 12 Amp Hour Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA)	183.02	25.49
28 46 21 33-1033	EA		Two 55 Amp Hour Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB)	197.29	25.49
28 46 21 33-1034			Power Supplies And Chargers (28 46 21 33-0805)		
28 46 21 33-1035	EA		120 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPS-610).....	1,166.18	47.80
28 46 21 33-1036	EA		220/240 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPS-610E)	1,166.18	47.80
28 46 21 33-1037	EA		Addressable Power Supply, 120 VAC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24).....	1,151.05	31.87
28 46 21 33-1038	EA		6A Auxiliary Power Supply (Notifier APS-6R)	597.25	31.87
28 46 21 33-1039	EA		10 Amp Battery Charger (Notifier BC10A)	746.87	47.80
28 46 21 33-1040	EA		33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-100)	445.82	38.24
28 46 21 33-1041	EA		33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-100R)	445.82	38.24
28 46 21 33-1042	EA		30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-200)	630.50	38.24
28 46 21 33-1043	EA		30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R)	630.50	38.24
28 46 21 33-1044	EA		15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1)	133.32	31.87
28 46 21 33-1045	EA		25 To 120 Amp Hour Battery Charger (Notifier CHG-120).....	892.71	31.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1046	EA		Mounts XPIQ-Ps And/Or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS).....	74.69	15.93
28 46 21 33-1047	EA		Replacement Door Used For Mounting ACPS-610 (E) In a CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1).....	112.16	15.93
28 46 21 33-1048	EA		8.0 Amps, 120 VAC Remote Charger Power Supply (Notifier FCPS-24S8).....	599.87	31.87
28 46 21 33-1049	EA		8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8E).....	731.84	95.59
28 46 21 33-1050	EA		Red, 8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8R).....	731.84	95.59
28 46 21 33-1051	EA		8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8).....	827.30	95.59
28 46 21 33-1052	EA		8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8E).....	827.30	95.59
28 46 21 33-1053	EA		Chassis Mounted, 8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CM).....	764.71	47.80
28 46 21 33-1054	EA		Chassis Mounted, 8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CME).....	764.71	47.80
28 46 21 33-1055	EA		12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12).....	920.84	47.80
28 46 21 33-1056	EA		12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12E).....	920.84	47.80
28 46 21 33-1057	EA		Chassis Mounted, 12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CM).....	954.74	95.59
28 46 21 33-1058	EA		Chassis Mounted, 12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CME).....	954.74	95.59
28 46 21 33-1059	EA		6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S6).....	700.61	95.59
28 46 21 33-1060	EA		6 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S6E).....	700.61	95.59
28 46 21 33-1061	EA		8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S8).....	751.47	95.59
28 46 21 33-1062	EA		8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S8E).....	751.47	95.59
28 46 21 33-1063	EA		6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA).....	614.97	95.59
28 46 21 33-1064	EA		9 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA).....	714.89	95.59
28 46 21 33-1065	EA		Class A Adapter HPFF8/HPFF12 (Notifier HPP31076).....	143.39	15.93
28 46 21 33-1066	EA		Main Power Supply And Charger, Up To 3 Amps (Notifier MPS-24A).....	855.17	31.87
28 46 21 33-1067	EA		Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4).....	174.36	31.87
28 46 21 33-1068			Network Control Annunciators (28 46 21 33-0805)		
28 46 21 33-1069	EA		Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2).....	1,650.98	95.59
28 46 21 33-1070	EA		Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO).....	74.51	19.12
28 46 21 33-1071	EA		Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit).....	57.70	19.12
28 46 21 33-1072			FIRSTVISION Firefighter's Display (28 46 21 33-0805)		
28 46 21 33-1073	EA		Replacement ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD).....	13,165.76	637.28
28 46 21 33-1074			FlashScan Addressable Modules (28 46 21 33-0805)		
28 46 21 33-1075	EA		Intelligent Addressable Control Module (Notifier FCM-1).....	160.16	31.87
28 46 21 33-1076	EA		Addressable Dual Monitor Module (Notifier FDM-1).....	176.09	31.87
28 46 21 33-1077	EA		Intelligent Addressable Monitor Module (Notifier FMM-1).....	137.16	31.87
28 46 21 33-1078	EA		Intelligent Addressable Miniature Monitor Module (Notifier FMM-101).....	124.78	31.87
28 46 21 33-1079	EA		Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20).....	231.83	31.87
28 46 21 33-1080	EA		Intelligent Addressable Relay Module (Notifier FRM-1).....	154.86	31.87
28 46 21 33-1081	EA		Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1).....	195.55	31.87
28 46 21 33-1082	EA		SLC Loop Powered Fault Isolator Module (Notifier ISO-X).....	135.39	31.87
28 46 21 33-1083			Addressable Device Bases And Accessories (28 46 21 33-0805)		
28 46 21 33-1084	EA		Intelligent Detector Base With Flange (Notifier B710LP).....	49.56	15.93
28 46 21 33-1085	EA		Weatherproof Device Housing (Notifier DH400OE-1).....	374.27	31.87
28 46 21 33-1086			XP6/XP10 Transponder (28 46 21 33-0805)		
28 46 21 33-1087	EA		Synchronization Daughter Module For XP6-C (Notifier SYNC-1).....	124.33	31.87
28 46 21 33-1088	EA		Six Circuit Supervised Control Module (Notifier XP6-C).....	527.32	31.87
28 46 21 33-1089	EA		Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA).....	633.49	31.87
28 46 21 33-1090	EA		Six Relay Control Module (Notifier XP6-R).....	507.86	31.87
28 46 21 33-1091	EA		Ten Input Monitor Module (Notifier XP10-M).....	606.95	31.87
28 46 21 33-1092			LCD Display Annunciators (28 46 21 33-0805)		
28 46 21 33-1093	EA		80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80).....	717.60	95.59
28 46 21 33-1094	EA		80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80).....	978.59	95.59
28 46 21 33-1095	EA		640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160).....	1,010.44	95.59
28 46 21 33-1096	EA		8 To 16 Switch Smoke Control Expander (Notifier SCE-8).....	647.20	31.87
28 46 21 33-1097	EA		8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L).....	353.68	31.87
28 46 21 33-1098	EA		Eight Switch Smoke Control Master Module (Notifier SCS-8).....	834.56	31.87
28 46 21 33-1099			ONYX ACM And AEM Series LED Annunciators (28 46 21 33-0805)		
28 46 21 33-1100	EA		Remote, Eight Form C Relay Module (Notifier ACM-8R).....	388.48	31.87
28 46 21 33-1101	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT).....	691.00	31.87
28 46 21 33-1102	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT).....	534.40	31.87
28 46 21 33-1103	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT).....	691.00	31.87
28 46 21 33-1104	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT).....	534.40	31.87
28 46 21 33-1105	EA		32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A).....	534.40	31.87
28 46 21 33-1106	EA		32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A).....	481.32	31.87
28 46 21 33-1107	EA		48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A).....	534.40	31.87
28 46 21 33-1108	EA		48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A).....	481.32	31.87
28 46 21 33-1109			Graphic Annunciator - Lamp Driver Modules (28 46 21 33-0805)		
28 46 21 33-1110	EA		Single Annunciator Flush Mounted Backbox (Notifier ABF-1B).....	256.63	63.73
28 46 21 33-1111	EA		Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB).....	275.21	63.73

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1112	EA		Two Annunciator Flush Mounted Backbox (Notifier ABF-2B)	321.22	79.66
28 46 21 33-1113	EA		Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB)	345.11	79.66
28 46 21 33-1114	EA		Four Annunciator Flush Mounted Backbox (Notifier ABF-4B)	543.31	111.52
28 46 21 33-1115	EA		Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	96.19	19.12
28 46 21 33-1116	EA		Single Annunciator Surface Mounted Backbox (Notifier ABS-1B)	180.99	63.73
28 46 21 33-1117	EA		Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB)	129.12	15.93
28 46 21 33-1118	EA		Two Annunciator Surface Mounted Backbox (Notifier ABS-2B)	215.05	63.73
28 46 21 33-1119	EA		12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D)	357.50	79.66
28 46 21 33-1120	EA		Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR)	231.71	15.93
28 46 21 33-1121	EA		Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D)	567.20	111.52
28 46 21 33-1122	EA		Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR)	385.29	19.12
28 46 21 33-1123	EA		Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB)	160.72	25.49
28 46 21 33-1124	EA		Annunciator Key Switch (Notifier AKS-1B)	77.11	9.56
28 46 21 33-1125	EA		Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	101.33	31.87
28 46 21 33-1126	EA		32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	481.32	31.87
28 46 21 33-1127	EA		24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	140.33	6.37
28 46 21 33-1128	EA		48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	174.23	6.37
28 46 21 33-1129	EA		32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	400.81	31.87
28 46 21 33-1130	EA		Lamp Driver Module (Notifier LDM-R32)	687.35	31.87
28 46 21 33-1131	EA		Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	639.17	31.87
28 46 21 33-1132	EA		48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48)	176.91	6.37
28 46 21 33-1133	EA		Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	154.22	19.12
28 46 21 33-1134	EA		Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	99.80	19.12
28 46 21 33-1135	EA		Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	99.80	19.12
28 46 21 33-1136			Network Gateways <small>(28 46 21 33-0805)</small>		
28 46 21 33-1137	EA		Common Alerting Protocol Gateway (Notifier CAP-GW)	2,517.17	31.87
28 46 21 33-1138	EA		PC Version, Receivers Gateway (Notifier DACR-GW)	1,972.95	31.87
28 46 21 33-1139	EA		Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	1,883.74	31.87
28 46 21 33-1140	EA		Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF)	2,106.78	31.87
28 46 21 33-1141	EA		Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	2,338.74	31.87
28 46 21 33-1142	EA		Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W)	1,794.52	31.87
28 46 21 33-1143	EA		Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	1,839.13	31.87
28 46 21 33-1144	EA		Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF)	2,066.63	31.87
28 46 21 33-1145	EA		Modbus Gateway (Notifier MODBUS-GW)	1,972.95	31.87
28 46 21 33-1146	EA		22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	2,403.74	21.03
28 46 21 33-1147	EA		Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	3,571.57	21.03
28 46 21 33-1148	EA		1920x1080P Wide Screen (Notifier MON-42LCDW)	11,280.73	21.03
28 46 21 33-1149	EA		Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD)	488.14	47.80
28 46 21 33-1150	EA		Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	867.31	47.80
28 46 21 33-1151	EA		Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	1,250.94	47.80
28 46 21 33-1152	EA		Mass Notification Voice Paging (Notifier NOTIFY-IP)	936.77	
28 46 21 33-1153	EA		Non UL Listed Applications, Mass Notification Voice Paging (Notifier NOTIFY-IP-NOUL)	936.77	
28 46 21 33-1154	EA		Embedded NFN Gateway (Notifier NFN-GW-EM)	1,957.03	31.87
28 46 21 33-1155	EA		NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	1,957.03	31.87
28 46 21 33-1156	EA		High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF)	2,865.11	31.87
28 46 21 33-1157	EA		High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	3,337.96	31.87
28 46 21 33-1158	EA		High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	2,865.11	31.87
28 46 21 33-1159	EA		NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	1,957.03	31.87
28 46 21 33-1160	EA		E-Mail Option For ONYXworks (Notifier ONYX-NOTIFY)	936.77	
28 46 21 33-1161	EA		Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER)	936.77	
28 46 21 33-1162	EA		ONYXWorks Workstation (Notifier ONYXWORKS-WS)	18,671.74	764.73
28 46 21 33-1163	EA		Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW)	3,823.55	
			Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 21 33-1164	EA		Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF)	3,823.55	
			Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 21 33-1165	EA		Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	886.30	31.87
28 46 21 33-1166	EA		Wire, Standard Network Repeater Board (Notifier RPT-W)	723.04	31.87
28 46 21 33-1167	EA		Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	863.11	31.87
28 46 21 33-1168	EA		Signaling Line Circuit Integration Module (Notifier SLC-IM)	951.43	31.87
28 46 21 33-1169	EA		VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW)	1,972.95	31.87
28 46 21 33-1170	EA		Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS)	1,633.93	31.87
28 46 21 33-1171	EA		Windows 7 Hard Drive Upgrade (Notifier WIN7-UG-US-3)	1,784.32	
28 46 21 33-1172			NOTI-FIRE-NET Network Components <small>(28 46 21 33-0805)</small>		
28 46 21 33-1173	EA		Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	1,957.03	31.87
28 46 21 33-1174	EA		Fiber Optic Network Communications Module (Notifier NCM-F)	883.87	31.87
28 46 21 33-1175	EA		NOTI-FIRE-NET Web Server (Notifier NWS)	1,957.03	31.87
28 46 21 33-1176	EA		Wired Network Communications Module (Notifier NCM-W)	843.17	31.87
28 46 21 33-1177	EA		Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	89.60	15.93
28 46 21 33-1178			FireWarden Addressable Fire Panels <small>(28 46 21 33-0805)</small>		
28 46 21 33-1179	EA		50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	2,119.46	637.28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1180	EA		Black, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100).....	2,433.53	637.28
28 46 21 33-1181	EA		Black, One DC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C).....	2,443.28	318.64
28 46 21 33-1182	EA		Black, One SLC Loop, 240 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E).....	2,443.28	318.64
28 46 21 33-1183	EA		Red, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R).....	2,443.28	318.64
28 46 21 33-1184			FireWarden Accessories (28 46 21 33-0805)		
28 46 21 33-1185	EA		Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100).....	183.91	47.80
28 46 21 33-1186	EA		Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T).....	183.02	47.80
28 46 21 33-1187			FireWarden Devices (28 46 21 33-0805)		
28 46 21 33-1188	EA		SLC Loop Powered Fault Isolator Module (Notifier N100-ISO).....	134.51	31.87
28 46 21 33-1189	EA		Intelligent Addressable Control Module (Notifier NC-100).....	155.74	31.87
28 46 21 33-1190	EA		Intelligent Addressable Relay Module (Notifier NC-100R).....	150.43	31.87
28 46 21 33-1191	EA		Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100).....	308.81	47.80
28 46 21 33-1192	EA		Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R).....	364.68	47.80
28 46 21 33-1193	EA		Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100).....	150.43	31.87
28 46 21 33-1194	EA		Intelligent Addressable Thermal Detector With Base (Notifier NH-100).....	164.60	47.80
28 46 21 33-1195	EA		Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H).....	164.60	47.80
28 46 21 33-1196	EA		Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R).....	164.60	47.80
28 46 21 33-1197	EA		Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100).....	210.60	47.80
28 46 21 33-1198	EA		Intelligent Addressable Monitor Module (Notifier NMM-100).....	132.74	31.87
28 46 21 33-1199	EA		Intelligent Addressable Mini Monitor Module (Notifier NMM-100P).....	122.56	31.87
28 46 21 33-1200	EA		Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX).....	172.11	31.87
28 46 21 33-1201	EA		Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100).....	170.79	47.80
28 46 21 33-1202	EA		Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100).....	190.25	31.87
28 46 21 33-1203	EA		Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6).....	619.33	31.87
28 46 21 33-1204			SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories (28 46 21 33-0805)		
28 46 21 33-1205	EA		120 VAC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402).....	1,462.00	509.82
28 46 21 33-1206	EA		120 VAC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404).....	1,576.13	509.82
28 46 21 33-1207	EA		240 VAC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFB-2402E).....	1,083.36	159.32
28 46 21 33-1208	EA		240 VAC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFB-2404E).....	1,198.45	159.32
28 46 21 33-1209	EA		Class A Converter Module (Notifier CAC-4).....	321.56	31.87
28 46 21 33-1210	EA		Optional Internal Dress Panel For SFB-2402 And SFB-2404 Only (Notifier DP-3-B).....	113.18	19.12
28 46 21 33-1211	EA		Internal Dress Plate, Required For FM And ULC (Notifier DP-4X).....	114.97	19.12
28 46 21 33-1212	EA		Remote Zone Annunciator (Notifier RZA-4X).....	179.45	47.80
28 46 21 33-1213			SFP-5UD 5 Zone Control Panels And Accessories (28 46 21 33-0805)		
28 46 21 33-1214	EA		120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD).....	2,154.85	637.28
28 46 21 33-1215	EA		120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC).....	3,267.92	477.96
28 46 21 33-1216	EA		240 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE).....	2,162.25	318.64
28 46 21 33-1217	EA		Red, 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR).....	2,162.25	318.64
28 46 21 33-1218	EA		Class A Converter Module (Notifier N-CAC-5X).....	321.56	31.87
28 46 21 33-1219	EA		Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE).....	131.92	19.12
28 46 21 33-1220			SFP-10UD 10 Zone Control Panels And Accessories (28 46 21 33-0805)		
28 46 21 33-1221	EA		120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC).....	4,079.17	637.28
28 46 21 33-1222	EA		240 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE).....	3,052.91	477.96
28 46 21 33-1223	EA		120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD).....	2,402.57	637.28
28 46 21 33-1224	EA		Red, 120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR).....	3,690.19	637.28
28 46 21 33-1225	EA		Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC).....	569.85	95.59
28 46 21 33-1226			Smoke Detectors (28 46 21 33-0805)		
28 46 21 33-1227	EA		Intelligent Addressable Beam Smoke Detector (Notifier FSB-200).....	1,331.88	63.73
28 46 21 33-1228	EA		Intelligent Addressable Beam Smoke Detector With Remote Test Feature (Notifier FSB-200S).....	1,510.31	63.73
28 46 21 33-1229	EA		Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	222.99	47.80
28 46 21 33-1230	EA		Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	352.16	47.80
28 46 21 33-1231	EA		Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	840.47	47.80
28 46 21 33-1232	EA		Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851).....	186.72	47.80
28 46 21 33-1233	EA		Remote Test Capable, Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851R).....	190.16	47.80
28 46 21 33-1234	EA		Intelligent Addressable Thermal Detector (Notifier FST-851).....	160.17	47.80
28 46 21 33-1235	EA		Intelligent Addressable High Temperature Thermal Detector (Notifier FST-851H).....	160.17	47.80
28 46 21 33-1236	EA		Intelligent Addressable Rate-Of-Rise Thermal Detector (Notifier FST-851R).....	160.17	47.80
28 46 21 33-1237	EA		Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R).....	174.10	47.80
			Note: For use with DNR(W) duct detector housing.		
28 46 21 33-1238	EA		Filters For Harsh Detector (Notifier RF-FTX).....	21.37	
28 46 21 33-1239	EA		Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY).....	136.94	31.87
28 46 21 33-1240			Pull Stations (28 46 21 33-0805)		

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 33-1241	EA	Trim Ring For NBG12 Series Pull Station (Notifier BG12TR)	28.81		6.37
28 46 21 33-1242	EA	One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2).....	63.99		15.93
28 46 21 33-1243	EA	Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R)	63.99		15.93
28 46 21 33-1244	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1)	94.51		31.87
28 46 21 33-1245	EA	DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F).....	101.20		31.87
28 46 21 33-1246	EA	Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS).....	127.52		31.87
28 46 21 33-1247	EA	Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R).....	94.51		31.87
28 46 21 33-1248	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS).....	104.32		31.87
28 46 21 33-1249	EA	Standard "Local" Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL)	104.32		31.87
28 46 21 33-1250	EA	Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR)	104.32		31.87
28 46 21 33-1251	EA	Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1)	100.31		31.87
28 46 21 33-1252	EA	Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R).....	106.11		31.87
28 46 21 33-1253	EA	Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL).....	634.07		38.24
28 46 21 33-1254	EA	Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L)	100.22		31.87
28 46 21 33-1255	EA	Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB)	204.75		38.24
28 46 21 33-1256	EA	Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS).....	127.97		31.87
28 46 21 33-1257	EA	Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR)	115.03		31.87
28 46 21 33-1258	EA	Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX)	172.99		31.87
28 46 21 33-1259	EA	Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE).....	42.19		6.37
28 46 21 33-1260 Rate Compensation Heat Detectors (28 46 21 33-0805)					
28 46 21 33-1261	EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135).....	173.45		47.80
28 46 21 33-1262	EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194).....	173.45		47.80
28 46 21 33-1263 FM Series Door Releases (28 46 21 33-0805)					
28 46 21 33-1264	EA	1/2" Door Holder Spacer (Notifier FM900-50)	29.74		9.56
28 46 21 33-1265	EA	3/4" Door Holder Spacer (Notifier FM900-75)	29.74		9.56
28 46 21 33-1266	EA	1" Door Holder Spacer (Notifier FM900-100)	29.74		9.56
28 46 21 33-1267	EA	Door Holder Extension Kit (Notifier FM900)	31.06		9.56
28 46 21 33-1268	EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z)	31.51		9.56
28 46 21 33-1269	EA	Floor Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM980)	202.64		47.80
28 46 21 33-1270	EA	Surface Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM996)	180.52		47.80
28 46 21 33-1271	EA	Recessed Mounted, Concealed Wiring, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM998).....	180.52		47.80
28 46 21 33-1272 Multicriteria Fire Detector (28 46 21 33-0805)					
28 46 21 33-1273	EA	Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851)	291.87		47.80
28 46 21 33-1274	EA	Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851).....	272.24		47.80
28 46 21 33-1275	EA	Note: Detects fire, thermal, photo, CO and IR, with Flashscan. Low Profile Intelligent Addressable Photoelectric Smoke Detector With Built-In 135°F Fixed Temperature Thermal Device (Notifier FSP-851T).....	188.37		47.80
28 46 21 33-1276 Modules (28 46 21 33-0805)					
28 46 21 33-1277	EA	Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1)	316.21		31.87
28 46 21 33-1278	EA	Addressable Firephone Control Module (Notifier FTM-1)	195.77		31.87
28 46 21 33-1279 DH Series Door Releases (28 46 21 33-0805)					
28 46 21 33-1280	EA	Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC).....	179.45		47.80
28 46 21 33-1281	EA	Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	188.73		47.80
28 46 21 33-1282	EA	Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD).....	198.19		47.80
28 46 21 33-1283	EA	Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	195.51		47.80
28 46 21 33-1284	EA	Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	203.54		47.80
28 46 21 33-1285	EA	Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	209.79		47.80
28 46 21 33-1286	EA	Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC).....	179.45		47.80
28 46 21 33-1287	EA	Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	188.37		47.80
28 46 21 33-1288	EA	Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD).....	198.19		47.80
28 46 21 33-1289	EA	Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	219.60		47.80
28 46 21 33-1290	EA	Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	232.09		47.80
28 46 21 33-1291	EA	Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	246.37		47.80
28 46 21 33-1292	EA	Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	249.93		47.80
28 46 21 33-1293	EA	Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2).....	264.21		47.80
28 46 21 33-1294	EA	Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2).....	282.05		47.80
28 46 21 33-1295	EA	.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	21.31		6.37
28 46 21 33-1296	EA	.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B).....	21.31		6.37
28 46 21 33-1297	EA	.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	22.74		6.37
28 46 21 33-1298	EA	1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	21.31		6.37
28 46 21 33-1299	EA	1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B).....	21.31		6.37
28 46 21 33-1300	EA	1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	22.74		6.37
28 46 21 33-1301	EA	1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	22.39		6.37
28 46 21 33-1302	EA	1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	22.39		6.37
28 46 21 33-1303	EA	1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B).....	22.74		6.37
28 46 21 33-1304	EA	1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	23.81		6.37
28 46 21 33-1305	EA	2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	23.81		6.37
28 46 21 33-1306	EA	2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC)	23.81		6.37
28 46 21 33-1307	EA	2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B).....	24.35		6.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1308	EA		2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D).....	24.70	6.37
28 46 21 33-1309	EA		3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC).....	24.70	6.37
28 46 21 33-1310	EA		3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B).....	25.78	6.37
28 46 21 33-1311	EA		3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D).....	25.78	6.37
28 46 21 33-1312	EA		4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC).....	26.13	6.37
28 46 21 33-1313	EA		4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC).....	26.13	6.37
28 46 21 33-1314	EA		4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB).....	27.02	6.37
28 46 21 33-1315	EA		4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD).....	29.70	6.37
28 46 21 33-1316	EA		5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC).....	27.02	6.37
28 46 21 33-1317	EA		5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B).....	28.10	6.37
28 46 21 33-1318	EA		5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D).....	29.70	6.37
28 46 21 33-1319	EA		Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCP).....	30.36	9.56
28 46 21 33-1320	EA		Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB).....	31.07	9.56
28 46 21 33-1321	EA		Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD).....	33.39	9.56
28 46 21 33-1322	EA		Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC).....	49.99	9.56
28 46 21 33-1323	EA		Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB).....	52.84	9.56
28 46 21 33-1324	EA		Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD).....	55.70	9.56
28 46 21 33-1325	EA		Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBPC).....	51.14	15.93
28 46 21 33-1326	EA		Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBS).....	53.28	15.93
28 46 21 33-1327	EA		Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD).....	56.32	15.93
28 46 21 33-1328	EA		Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF).....	240.88	
28 46 21 33-1329	EA		Two Piece Extension Wrench (Notifier DHW).....	2.68	
28 46 21 33-1330 First Command (28 46 21 33-0805)					
28 46 21 33-1331	EA		Black, 120 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100).....	5,694.26	796.60
28 46 21 33-1332	EA		Black, 220-240 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E).....	5,694.26	796.60
28 46 21 33-1333	EA		Black, 120 VAC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA).....	1,366.54	63.73
28 46 21 33-1334	EA		Black, 220-240 VAC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE).....	1,366.54	63.73
28 46 21 33-1335	EA		Black, 120 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA).....	2,430.00	63.73
28 46 21 33-1336	EA		Black, 220-240 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE).....	2,430.00	63.73
28 46 21 33-1337	EA		50 Watts, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt).....	532.11	31.87
28 46 21 33-1338	EA		50 Watts, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt).....	532.11	31.87
28 46 21 33-1339	EA		Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4).....	367.96	31.87
28 46 21 33-1340	EA		Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6).....	509.81	31.87
28 46 21 33-1341	EA		Standalone Firefighter Telephone System (Notifier NFC-FFT).....	1,820.65	63.73
Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.					
28 46 21 33-1342	EA		Local Operator Console (Notifier NFC-LOC).....	1,763.55	63.73
Note: Includes built-in microphone, message and zone control switches, black.					
28 46 21 33-1343	EA		Black, Remote Microphone (Notifier NFC-RM).....	489.16	
28 46 21 33-1344	EA		Remote Page Unit (Notifier NFC-RPU).....	1,503.93	63.73
Note: Includes built-in microphone, message control switches, black.					
28 46 21 33-1345	EA		Remote Telephone Zone Module (Notifier NFC-RTZM).....	666.83	31.87
28 46 21 33-1346	EA		70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V).....	284.09	31.87
28 46 21 33-1347	EA		Firefighters Phone Jack (Notifier N-FPJ).....	127.96	9.56
28 46 21 33-1348	EA		Thumblatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH).....	40.53	9.56
28 46 21 33-1349	EA		Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B).....	117.64	19.12
28 46 21 33-1350 LED Displays (28 46 21 33-0805)					
28 46 21 33-1351	EA		2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215).....	1,191.67	38.24
28 46 21 33-1352	EA		Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW).....	2,011.19	50.98
28 46 21 33-1353	EA		4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT).....	2,064.72	50.98
28 46 21 33-1354	EA		8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8).....	1,395.60	50.98
28 46 21 33-1355	EA		16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16).....	2,109.33	50.98
28 46 21 33-1356	EA		LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V).....	2,064.72	50.98
28 46 21 33-1357 Control Relays (28 46 21 33-0805)					
28 46 21 33-1358	EA		Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR).....	62.20	15.93
28 46 21 33-1359	EA		Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T).....	51.50	15.93
28 46 21 33-1360	EA		Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR).....	156.51	31.87
28 46 21 33-1361	EA		Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T).....	94.32	15.93
28 46 21 33-1362	EA		Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T).....	110.38	15.93
28 46 21 33-1363	EA		24 VDC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C).....	142.24	31.87
28 46 21 33-1364	EA		120 VAC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C).....	142.24	31.87
28 46 21 33-1365	EA		Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR).....	97.63	31.87
28 46 21 33-1366	EA		Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T).....	54.62	15.93
28 46 21 33-1367	EA		Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR).....	175.25	31.87
28 46 21 33-1368	EA		24 VDC/24 VAC/115 VAC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-1).....	78.00	31.87
28 46 21 33-1369	EA		12/24 VDC, 7 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-2).....	78.00	31.87
28 46 21 33-1370	EA		9 To 40 VDC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-4).....	78.00	31.87
28 46 21 33-1371 Gamewell-FCI Fire Control Instruments (28 46 21 33-0805)					
28 46 21 33-1372 7100 Series And NetSOLO® (28 46 21 33-1371)					

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1373			7100 Compact Analog Addressable Fire Alarm Control Panels (28 46 21 33-1372)		
28 46 21 33-1374	EA		Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	985.61	382.37
28 46 21 33-1375	EA		Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	3,903.36	637.28
28 46 21 33-1376	EA		Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D).....	4,160.45	637.28
28 46 21 33-1377	EA		Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2-E)	3,903.36	637.28
28 46 21 33-1378	EA		Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2D-E).....	4,160.45	637.28
28 46 21 33-1379	EA		Replacement Board For 7100-1D (Gamewell-FCI BSM-7100-1)	919.54	63.73
28 46 21 33-1380	EA		Replacement Board For 7100-2 (Gamewell-FCI BSM-7100-1D)	1,091.54	63.73
28 46 21 33-1381	EA		Analog Loop Unit (Gamewell-FCI ALU)	1,091.54	63.73
28 46 21 33-1382			NetSOLO® Intelligent Network (28 46 21 33-1372)		
28 46 21 33-1383	EA		Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO)	1,204.70	63.73
			Note: Mounted in 7100 panel.		
28 46 21 33-1384	EA		Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP)	968.43	63.73
			Note: Mounted in 7100 panel.		
28 46 21 33-1385			Components And Accessories (28 46 21 33-1372)		
28 46 21 33-1386	EA		Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100).....	607.96	47.80
28 46 21 33-1387	EA		Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	485.94	63.73
28 46 21 33-1388	EA		Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	845.32	63.73
28 46 21 33-1389	EA		Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM).....	373.69	63.73
28 46 21 33-1390	EA		Replacement Enclosure Box (Gamewell-FCI EN-7100)	369.88	127.46
28 46 21 33-1391	EA		Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2).....	853.10	31.87
28 46 21 33-1392			E3 Series® Basic System (28 46 21 33-1371)		
28 46 21 33-1393	EA		Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3).....	870.86	63.73
28 46 21 33-1394	EA		Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3).....	764.39	63.73
28 46 21 33-1395	EA		Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	870.86	63.73
28 46 21 33-1396	EA		Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3).....	764.39	63.73
28 46 21 33-1397	EA		LCD Keypad Display (Gamewell-FCI LCD-E3)	538.58	63.73
28 46 21 33-1398	EA		Power Supply Module (Gamewell-FCI PM-9)	688.57	63.73
28 46 21 33-1399	EA		Transponder 9 Ampere Power Supply (Gamewell-FCI PM-9 INX)	588.13	63.73
28 46 21 33-1400	EA		Power Supply And Charger, 120/220 VAC (Gamewell-FCI PM-9G 9A)	554.72	31.87
28 46 21 33-1401	EA		Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	358.16	63.73
28 46 21 33-1402	EA		Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO).....	866.91	63.73
28 46 21 33-1403	EA		Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	735.28	63.73
28 46 21 33-1404	EA		Local Operating Console (Gamewell-FCI 1100-0455)	495.65	47.80
28 46 21 33-1405	EA		Network Graphic Annunciator (Gamewell-FCI 1100-0505)	1,505.64	47.80
28 46 21 33-1406	EA		70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	636.31	63.73
28 46 21 33-1407	EA		INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326).....	1,826.20	63.73
28 46 21 33-1408	EA		8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	519.61	127.46
28 46 21 33-1409	EA		C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	411.68	127.46
28 46 21 33-1410	EA		Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	93.71	31.87
28 46 21 33-1411	EA		Programmable Switch Module (Gamewell-FCI ASM-16)	462.42	63.73
28 46 21 33-1412	EA		LED Driver module (Gamewell-FCI ANU-48).....	462.42	63.73
28 46 21 33-1413	EA		Network Graphic Annunciator (Gamewell-FCI NGA)	1,268.34	47.80
28 46 21 33-1414			Addressable Devices, Module, Pulls And Accessories (28 46 21 33-1371)		
28 46 21 33-1415			Velociti® Series Sensors And Bases (28 46 21 33-1414)		
28 46 21 33-1416	EA		Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	169.82	47.80
28 46 21 33-1417	EA		Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	172.54	47.80
28 46 21 33-1418	EA		Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	180.68	47.80
28 46 21 33-1419	EA		Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F).....	148.09	47.80
28 46 21 33-1420	EA		Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	152.62	47.80
28 46 21 33-1421	EA		Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F).....	148.09	47.80
28 46 21 33-1422	EA		Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	199.69	47.80
28 46 21 33-1423	EA		Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS).....	389.79	47.80
28 46 21 33-1424	EA		Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	363.00	79.66
28 46 21 33-1425	EA		Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF).....	399.21	79.66
28 46 21 33-1426	EA		Replacement Duct Detector Board (Gamewell-FCI ADP-F-SB).....	229.02	79.66
28 46 21 33-1427	EA		Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	46.35	15.93
28 46 21 33-1428	EA		Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	416.95	47.80
28 46 21 33-1429	EA		Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	88.45	15.93
28 46 21 33-1430	EA		Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F).....	1,413.26	95.59
28 46 21 33-1431			Velociti® Series Modules And Pull Station (28 46 21 33-1414)		
28 46 21 33-1432	EA		Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F)	121.21	31.87
28 46 21 33-1433	EA		Dual Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2IF).....	178.70	31.87
28 46 21 33-1434	EA		Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4F)	130.27	31.87
28 46 21 33-1435	EA		Subloop Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4SF)	172.36	31.87
28 46 21 33-1436	EA		Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF).....	148.37	31.87
28 46 21 33-1437	EA		Addressable Output Supervised Module (Gamewell-FCI AOM-2SF).....	152.90	31.87
28 46 21 33-1438	EA		Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	230.20	63.73
28 46 21 33-1439	EA		Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	156.97	31.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1440	EA		Telephone Filters (Gamewell-FCI AOM-TEL-FL).....	26.33	6.37
28 46 21 33-1441			Components And Accessories (28 46 21 33-1414)		
28 46 21 33-1442	EA		Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) Note: Mounts on single gang box.	73.61	25.49
28 46 21 33-1443	EA		Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5).....	36.81	12.75
28 46 21 33-1444	EA		>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3).....	38.62	12.75
28 46 21 33-1445	EA		>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5).....	46.81	15.93
28 46 21 33-1446	EA		>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10).....	69.92	19.12
28 46 21 33-1447	EA		Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451)..... Note: Mounts on single gang box.	101.67	25.49
28 46 21 33-1448			Fixed And Rate of Rise Heat Detectors (28 46 21 33-1414)		
28 46 21 33-1449	EA		135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	110.98	47.80
28 46 21 33-1450	EA		194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602).....	110.98	47.80
28 46 21 33-1451	EA		135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	110.98	47.80
28 46 21 33-1452	EA		194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	110.98	47.80
28 46 21 33-1453			NAC Expander/Power Supply (28 46 21 33-1414)		
28 46 21 33-1454	EA		FireForce 8 NAC Expander/Power Supply, 12/24 VDC, 8 Amp, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8).....	1,671.41	509.82
28 46 21 33-1455	EA		6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6).....	1,499.42	509.82
28 46 21 33-1456	EA		9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9).....	1,585.42	509.82
28 46 21 33-1457			Batteries And Accessories (28 46 21 33-1371)		
28 46 21 33-1458	EA		B-17R, 12 VDC, 17 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	219.43	31.87
28 46 21 33-1459	EA		B-55R, 12 VDC, 55 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	514.54	31.87
28 46 21 33-1460	EA		B-7R, 12 VDC, 7 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	128.91	31.87
28 46 21 33-1461	EA		BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	291.31	63.73
28 46 21 33-1462	EA		BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	291.31	63.73
28 46 21 33-1463	EA		12"H x 12"W x 24"L Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970).....	265.06	63.73
28 46 21 33-1464			Electronic Door Holders (28 46 21 33-1371)		
			Note: Rixson products.		
28 46 21 33-1465	EA		XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000).....	39.36	6.37
28 46 21 33-1466	EA		FM-980, Floor Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90000).....	312.85	47.80
28 46 21 33-1467	EA		FM-981, Floor Mount Holder For Double Doors, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90001)	411.52	47.80
28 46 21 33-1468	EA		FM-990, Low Profile Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90002)	214.54	47.80
28 46 21 33-1469	EA		FM-996, Surface Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90003)	206.39	47.80
28 46 21 33-1470	EA		FM-997 Recessed Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90004)	214.54	47.80
28 46 21 33-1471	EA		FM-998, Recessed Mount Door Holder With Concealed Wiring, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90005)	214.18	47.80
28 46 21 33-1472			SpectrAlert® Advance Wall Mount 2-Wire Horn/Strobes (28 46 21 33-1371)		
			See CSI section 28 46 21 33-1661 for devices.		
28 46 21 33-1473			SpectrAlert® Advance Accessories (28 46 21 33-1371)		
			See CSI section 28 46 21 33-1661 for backboxes, 28 46 21 33-1923 for backboxes.		
28 46 21 33-1474			Fire Alarm Programming (28 46 21 33-1371)		
			Note: For device replacement projects only. Do not use these tasks on projects where a fire alarm panel is replaced.		
28 46 21 33-1475	EA		Program And Test Up To 5 Fire Alarm Devices.....	500.00	
28 46 21 33-1476	EA		Program And Test >5 To 20 Fire Alarm Devices	1,000.00	
28 46 21 33-1477	EA		Program And Test >20 To 50 Fire Alarm Devices	2,000.00	
28 46 21 33-1478			Fire-Lite Fire Alarm (28 46 21 33-0804)		
28 46 21 33-1479			Addressable Control Panels (28 46 21 33-1478)		
28 46 21 33-1480	EA		25 Point Intelligent Control (Fire Lite MS-25).....	1,795.57	637.28
28 46 21 33-1481	EA		50 Point Intelligent Control (Fire Lite MS-9050UD).....	1,922.34	637.28
28 46 21 33-1482	EA		198-Point Intelligent Control (Fire Lite MS-9200UDLS)	2,755.02	637.28
28 46 21 33-1483	EA		636-Point Intelligent Control (Fire Lite MS-9600LS)	3,948.21	637.28
28 46 21 33-1484	EA		636-Point Intelligent Control (Fire Lite MS-9600UDLS)	3,827.26	637.28
28 46 21 33-1485	EA		IP And 4G Cellur Fire Alarm Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G).....	401.19	
28 46 21 33-1486			Silent Knight Fire Alarm (28 46 21 33-0804)		
28 46 21 33-1487	EA		Supervised Control Module (Silent Knight SK-CONTROL).....	165.21	47.80
28 46 21 33-1488	EA		Detector (Silent Knight IDP-PhotoR).....	206.07	47.80
28 46 21 33-1489	EA		SLC Annunciator Driver Module (Silent Knight SD500-LED).....	574.30	95.59
28 46 21 33-1490	EA		Monitoring Module (Silent Knight IDP)	206.18	47.80
28 46 21 33-1491	EA		Cabinet (Silent Knight SK-5207)	307.49	95.59
28 46 21 33-1492	EA		Innovair IDP-Product (Silent Knight Innovair IDP-Pduct)	354.48	31.87
28 46 21 33-1493	EA		I/O Input-Output Module (Silent Knight SK-2880).....	470.78	31.87
28 46 21 33-1494	EA		Remote Annunciator (Silent Knight RA-2000).....	1,354.19	95.59
28 46 21 33-1495	EA		Remote LCD Annunciator (Silent Knight SK-5860).....	499.25	95.59
28 46 21 33-1496	EA		Power Supply (Silent Knight 5195/96)	819.68	31.87
28 46 21 33-1497	EA		8 Zone Expander (Silent Knight SK-5210).....	645.23	31.87

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1498	EA		10 Zone Expander (Silent Knight SK-5217)	290.23	31.87
28 46 21 33-1499	EA		Remote Annunciator (Silent Knight SK-5235)	316.65	63.73
28 46 21 33-1500	EA		LCD Remote Annunciator (Silent Knight SK-5230)	303.32	63.73
28 46 21 33-1501	EA		Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	480.81	95.59
28 46 21 33-1502	EA		Ionization Smoke Detector (Silent Knight SK-ION)	164.35	47.80
28 46 21 33-1503	EA		Addressable Relay Module (Silent Knight SD500-ARM)	165.21	47.80
28 46 21 33-1504	EA		Addressable Relay Module (Silent Knight IDP-Relay)	182.81	47.80
28 46 21 33-1505	EA		Telephone Line Monitor (Silent Knight SK-7150)	116.07	31.87
28 46 21 33-1506	EA		Serial Driver Board (Silent Knight SK-2884)	192.82	31.87
28 46 21 33-1507	EA		Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	156.55	47.80
28 46 21 33-1508	EA		Smoke Detector Base (Silent Knight IDP-6AB)	60.95	15.93
28 46 21 33-1509	EA		Mini Input Module (Silent Knight IDP-MINIMON)	150.95	31.87
28 46 21 33-1510	EA		Status Display Module (Silent Knight SK-4180)	482.41	31.87
28 46 21 33-1511	EA		8-Channel Digital Communicator (Silent Knight SK-1420)	296.33	31.87
28 46 21 33-1512	EA		Serial Parallel Module (Silent Knight SK-4824)	273.07	31.87
28 46 21 33-1513	EA		Addressable Heat Sensor (Silent Knight SD505-AHS)	151.59	47.80
28 46 21 33-1514	EA		Addressable Input Module (Silent Knight SD500-AIM)	153.01	47.80
28 46 21 33-1515	EA		Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	153.71	47.80
28 46 21 33-1516	EA		Power Supply (Silent Knight SK-5197 / SK-5198)	935.98	31.87
28 46 21 33-1517	EA		4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204)	1,650.51	127.46
28 46 21 33-1518	EA		LED Input/Output Module (Silent Knight / IntelliKnight 5880)	360.20	47.80
28 46 21 33-1519	EA		Intelligent Ionization Smoke Detector (Silent Knight IDP-ION)	211.89	47.80
28 46 21 33-1520	EA		Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo)	182.81	47.80
28 46 21 33-1521	EA		Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	161.63	47.80
28 46 21 33-1522	EA		Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	44.83	15.93
28 46 21 33-1523	EA		Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	44.83	15.93
28 46 21 33-1524	EA		Addressable Mini Input Module (Silent Knight SD500-MIM)	119.73	31.87
28 46 21 33-1525	EA		Fire Slave Communicator Dialer (Silent Knight SK-5128)	317.33	31.87
28 46 21 33-1526	EA		6 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5495)	546.65	95.59
28 46 21 33-1527	EA		Intelligent Power Module (with cabinet) (Silent Knight SK-5496)	576.93	95.59
28 46 21 33-1528	EA		Manual Pull Station (single action) (Silent Knight PS-SATK)	90.16	31.87
28 46 21 33-1529	EA		Manual Pull Station (dual action) (Silent Knight PS-DATK)	95.44	31.87
28 46 21 33-1530	EA		Manual Pull Station (dual action) (Silent Knight PS-DA)	93.95	31.87
28 46 21 33-1531	EA		Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	1,108.39	127.46
28 46 21 33-1532	EA		Remote LED Annunciator (Silent Knight 5865-3)	444.73	63.73
28 46 21 33-1533	EA		Remote LED Annunciator (Silent Knight 5865-4)	497.12	63.73
28 46 21 33-1534	EA		Serial/Parallel Printer Interface (Silent Knight 5824)	299.55	31.87
28 46 21 33-1535	EA		Relay Interface Board (Silent Knight 5883)	216.94	31.87
28 46 21 33-1536	EA		Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	3,473.57	318.64
28 46 21 33-1537	EA		Supervised Remote Command Unit (Silent Knight EVS-RCU)	1,485.66	191.19
28 46 21 33-1538	EA		50 Watt Amplifier (Silent Knight EVS-50W)	1,036.84	127.46
28 46 21 33-1539	EA		125 Watt Amplifier (Silent Knight EVS-125W)	1,771.93	127.46
28 46 21 33-1540	EA		Voice Evacuation System (Silent Knight SKE-450)	1,699.07	127.46
28 46 21 33-1541	EA		Fire Fighters Telephone (Silent Knight SK-FFT)	1,425.85	127.46
28 46 21 33-1542	EA		Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	1,505.17	191.19
28 46 21 33-1543	EA		Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	869.72	127.46
28 46 21 33-1544	EA		Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	763.08	127.46
28 46 21 33-1545	EA		Combination Fire And CO Detector (Silent Knight SK-FIRE-CO)	248.80	47.80
28 46 21 33-1546	EA		Photoelectric Detector (Silent Knight SK-PHOTO)	157.27	47.80
28 46 21 33-1547	EA		Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T)	163.64	47.80
28 46 21 33-1548	EA		Ionization Smoke Detector (Silent Knight SK-ION)	164.35	47.80
28 46 21 33-1549	EA		135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT)	147.89	47.80
28 46 21 33-1550	EA		190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT)	153.71	47.80
28 46 21 33-1551	EA		135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR)	155.85	47.80
28 46 21 33-1552	EA		Sounder Base (Silent Knight B200SR)	84.31	15.93
28 46 21 33-1553	EA		Intelligent Sounder Base (Silent Knight B200S)	88.57	15.93
28 46 21 33-1554	EA		Isolator Base (Silent Knight B224BI)	72.28	15.93
28 46 21 33-1555	EA		Relay Base (Silent Knight B224RB)	72.98	15.93
28 46 21 33-1556	EA		Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE)	166.58	47.80
28 46 21 33-1557	EA		Photoelectric Duct Detector (Silent Knight SK-DUCT)	246.14	47.80
28 46 21 33-1558	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM)	777.33	47.80
28 46 21 33-1559	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T)	882.71	47.80
28 46 21 33-1560	EA		Dual Monitor Module (Silent Knight SK-MONITOR-2)	191.15	47.80
28 46 21 33-1561	EA		Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	482.92	63.73
28 46 21 33-1562	EA		Relay Control Module (Silent Knight SK-RELAY)	134.72	31.87
28 46 21 33-1563	EA		Six Relay Control Module (Silent Knight SK-RELAY-6)	468.43	63.73
28 46 21 33-1564	EA		Zone Interface Module (Silent Knight SK-ZONE)	167.94	47.80
28 46 21 33-1565	EA		Six Zone Interface Module (Silent Knight SK-ZONE-6)	551.37	63.73
28 46 21 33-1566	EA		Monitor Module (Silent Knight SK-MONITOR)	149.46	47.80
28 46 21 33-1567	EA		10 Input Monitor Module (Silent Knight SK-MON-10)	535.58	63.73
28 46 21 33-1568	EA		Monitor Module (Silent Knight SK-MINIMON)	141.67	47.80
28 46 21 33-1569	EA		Fault Isolator Module (Silent Knight SK-ISO)	153.71	47.80
28 46 21 33-1570	EA		6" Addressable Sounder Base (Silent Knight SD505-6SB)	100.63	15.93
28 46 21 33-1571	EA		6" Addressable Relay Base (Silent Knight SD505-6RB)	95.66	15.93
28 46 21 33-1572	EA		6" Isolator Base (Silent Knight SD505-6IB)	87.87	15.93
28 46 21 33-1573	EA		Addressable Notification Module (Silent Knight SD500-ANM)	180.22	47.80
28 46 21 33-1574	EA		Loop Isolation Module (Silent Knight SD500-LIM)	157.96	47.80
28 46 21 33-1575	EA		Single Action Addressable Pull Station (Silent Knight SD500-PS)	147.00	31.87
28 46 21 33-1576	EA		Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	141.54	31.87
28 46 21 33-1577	EA		Back Box (Silent Knight SK-PSSMBB)	73.84	25.49
28 46 21 33-1578	EA		Smoke Detector Module (Silent Knight SD500-SDM)	172.03	47.80
28 46 21 33-1579	EA		Addressable Duct Housing (Silent Knight SD505-DUCT)	255.47	47.80
28 46 21 33-1580	EA		Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	320.75	47.80
28 46 21 33-1581	EA		Intelligent Power Module (Silent Knight 5895XL)	819.69	127.46
28 46 21 33-1582	EA		Addressable Power Supply (Silent Knight 5496)	576.93	95.59

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1583	EA		Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	141.54	31.87
28 46 21 33-1584	EA		Communicator (Silent Knight IPGSM-4G).....	648.89	63.73
28 46 21 33-1585	EA		Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208).....	1,047.24	127.46
28 46 21 33-1586	EA		Status Display Module (Silent Knight 5280).....	102.72	31.87
28 46 21 33-1587	EA		Serial/Parallel Module (Silent Knight 5824).....	363.28	63.73
28 46 21 33-1588	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4).....	640.65	127.46
28 46 21 33-1589	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	651.18	127.46
28 46 21 33-1590	EA		Dress Panel (Silent Knight SK-DP2/4).....	127.52	31.87
28 46 21 33-1591	EA		Class A Convertor (Silent Knight SK-CAC4).....	303.43	47.80
28 46 21 33-1592	EA		Transmitter Module (Silent Knight SK-4XTM).....	178.86	47.80
28 46 21 33-1593	EA		LED Interface Module (Silent Knight SK-4XLM).....	167.94	47.80
28 46 21 33-1594	EA		110 VAC Transformer, 3-6A (Silent Knight SK-XRM24).....	157.92	31.87
28 46 21 33-1595	EA		Remote Annunciator (Silent Knight SK-RZA4).....	167.94	47.80
28 46 21 33-1596	EA		Zone Relay Module (Silent Knight SK-4XZM).....	177.49	47.80
28 46 21 33-1597	EA		Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	568.23	127.46
28 46 21 33-1598	EA		Remote Battery Box Accessory Cabinet (Silent Knight RBB)	141.54	31.87
28 46 21 33-1599	EA		Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	86.72	31.87
28 46 21 33-1600	EA		Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB).....	166.57	38.24
28 46 21 33-1601	EA		9 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5499)	604.58	95.59
28 46 21 33-1602 Alerton (28 46 21 33)					
28 46 21 33-1603	EA		UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100)	438.44	9.56
28 46 21 33-1604 Cooper Fire Alarm (28 46 21 33)					
28 46 21 33-1605	EA		Single Circuit Class A / Multiple B, 12 Or 24 VDC, Sync Module (Cooper DSM-12/24-R).....	170.79	31.87
28 46 21 33-1606	EA		Red Lens, 21 Joules, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001)	2,564.46	54.17
28 46 21 33-1607	EA		Red, 100 dB, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002).....	3,367.40	54.17
28 46 21 33-1608	EA		Red Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001).....	1,266.75	63.73
28 46 21 33-1609	EA		Clear Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002).....	1,273.89	63.73
28 46 21 33-1610	EA		Amber Lens, 5 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007).....	1,273.89	63.73
28 46 21 33-1611	EA		Red Lens, 10 Joules, 24 VDC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001)	958.06	63.73
28 46 21 33-1612	EA		Amber Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003)	958.06	63.73
28 46 21 33-1613	EA		Red Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004)	958.06	63.73
28 46 21 33-1614	EA		Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005)	1,273.89	63.73
28 46 21 33-1615	EA		Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006)	1,273.89	63.73
28 46 21 33-1616	EA		Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007)	1,273.89	63.73
28 46 21 33-1617	EA		Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008)	1,273.89	63.73
28 46 21 33-1618	EA		Red Lens, 15 Joules, 24 VDC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002)	1,273.89	63.73
28 46 21 33-1619	EA		Red Lens, 21 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001).....	1,458.56	63.73
28 46 21 33-1620	EA		Red Lens, 21 Joules, 24 VDC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003).....	1,358.64	63.73
28 46 21 33-1621	EA		Amber Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005).....	1,358.64	63.73
28 46 21 33-1622	EA		Red Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006).....	1,358.64	63.73
28 46 21 33-1623 Light Engineered Displays Message Boards (28 46 21 33)					
28 46 21 33-1624	EA		Two Message Sign, "Announcement" And "Evacuate" (LED SP-2/MNS)	473.48	38.24
28 46 21 33-1625	EA		Four Message Sign, "Fire", "Weather", "Announcement", "E Voltuate" (LED SP-4).....	571.62	38.24
28 46 21 33-1626 STI Fire Alarm (28 46 21 33)					
28 46 21 33-1627	EA		Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100)	117.49	19.12
			Note: Include 9 VDC self contained battery.		
28 46 21 33-1628	EA		Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	151.54	19.12
28 46 21 33-1629	EA		Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200).....	105.48	19.12
28 46 21 33-1630	EA		Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D).....	96.63	19.12
			Note: For surface mounted horn strobes.		
28 46 21 33-1631	EA		Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E).....	86.90	19.12
28 46 21 33-1632	EA		Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D)	96.63	19.12
			Note: For surface mounted strobe.		
28 46 21 33-1633	EA		Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E).....	96.43	19.12
28 46 21 33-1634	EA		NEMA 4X Rated Polycarbonate Dome Cover (STI-1229)	186.34	19.12
28 46 21 33-1635	EA		Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230)	124.94	19.12
			Note: For surface mounted pull stations.		
28 46 21 33-1636	EA		Backplate For Polycarbonate Cover (STI-1280)	63.00	19.12
28 46 21 33-1637	EA		Conduit Gasket For Polycarbonate Cover (STI-3003)	47.38	19.12
28 46 21 33-1638	EA		Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100).....	72.81	19.12
28 46 21 33-1639	EA		Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150).....	129.24	19.12
28 46 21 33-1640	EA		8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	115.63	19.12
28 46 21 33-1641	EA		24.7" x 19.7" x 7.3", Key Lock, Lockable Enclosure (STI-7550).....	561.94	19.12

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
28 46 21 33-1642	EA Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100).....	95.34	19.12
28 46 21 33-1643	EA Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601).....	88.65	19.12
28 46 21 33-1644	EA Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602).....	82.40	19.12
28 46 21 33-1645	EA Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604).....	88.65	19.12
28 46 21 33-1646	EA Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605).....	82.40	19.12
28 46 21 33-1647	EA Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609).....	88.65	19.12
28 46 21 33-1648	EA Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610).....	82.40	19.12
28 46 21 33-1649	EA Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625).....	141.73	19.12
28 46 21 33-1650	EA White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705).....	76.60	19.12
28 46 21 33-1651	EA Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R).....	76.60	19.12
28 46 21 33-1652	EA Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706).....	111.40	19.12
28 46 21 33-1653	EA Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707).....	111.40	19.12
28 46 21 33-1654	EA White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708).....	82.85	19.12
28 46 21 33-1655	EA Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R).....	82.85	19.12
28 46 21 33-1656	EA White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711).....	76.60	19.12
28 46 21 33-1657	EA Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713).....	82.40	19.12
28 46 21 33-1658	EA White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714).....	82.85	19.12
28 46 21 33-1659	EA Yellow, "High Threat", Push Button Station (STI SS-2201).....	80.46	9.56
28 46 21 33-1660	EA Gasket Kit For STI Covers (STI SUB-121).....	38.52	
28 46 21 33-1661	System Sensor Fire Alarm (28 46 21 33)		
28 46 21 33-1662	Smoke Detectors (28 46 21 33-1661)		
28 46 21 33-1663	EA Beam Detector Heater Kit (System Sensor BEAMHK).....	48.44	6.37
28 46 21 33-1664	EA Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR).....	186.72	6.37
	Note: Four used with long range kit.		
28 46 21 33-1665	EA Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK).....	263.07	63.73
28 46 21 33-1666	EA Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK).....	203.29	63.73
28 46 21 33-1667	EA Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK).....	172.96	63.73
28 46 21 33-1668	EA Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B).....	153.10	47.80
28 46 21 33-1669	EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B).....	155.36	47.80
28 46 21 33-1670	EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B).....	159.29	47.80
28 46 21 33-1671	EA Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B).....	155.09	47.80
28 46 21 33-1672	EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 VDC (System Sensor 4WT-B).....	164.29	47.80
28 46 21 33-1673	EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B).....	162.39	47.80
28 46 21 33-1674	EA Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B).....	191.94	47.80
28 46 21 33-1675	EA Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151).....	115.48	31.87
28 46 21 33-1676	EA Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T).....	127.97	31.87
	Note: Requires B100 series base.		
28 46 21 33-1677	EA Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK).....	217.44	15.93
28 46 21 33-1678	EA Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK).....	80.94	15.93
28 46 21 33-1679	Duct Smoke Detectors (28 46 21 33-1661)		
28 46 21 33-1680	EA Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2).....	294.76	47.80
28 46 21 33-1681	EA Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120).....	297.66	47.80
28 46 21 33-1682	EA Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W).....	378.89	54.17
28 46 21 33-1683	EA Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S).....	193.99	31.87
28 46 21 33-1684	EA Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL).....	53.02	9.56
28 46 21 33-1685	EA Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR).....	165.99	25.49
28 46 21 33-1686	EA Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW).....	264.56	31.87
28 46 21 33-1687	EA 1' Steel Sampling Tube (System Sensor DST1).....	35.30	12.75
28 46 21 33-1688	EA 1.5' Steel Sampling Tube (System Sensor DST1.5).....	37.53	12.75
28 46 21 33-1689	EA 3' Steel Sampling Tube (System Sensor DST3).....	41.99	12.75
28 46 21 33-1690	EA 5' Steel Sampling Tube (System Sensor DST5).....	50.01	15.93
28 46 21 33-1691	EA 10' Steel Sampling Tube (System Sensor DST10).....	75.49	19.12
28 46 21 33-1692	EA 1", Steel, Exhaust Tube Duct (System Sensor ETX).....	38.43	12.75
28 46 21 33-1693	EA Remote Test Station For Duct Smoke Detector (System Sensor RTS151).....	81.61	15.93
28 46 21 33-1694	EA Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2).....	156.13	
28 46 21 33-1695	EA Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B).....	167.73	
28 46 21 33-1696	Heat Detectors (28 46 21 33-1661)		
28 46 21 33-1697	EA Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P).....	114.17	47.80
28 46 21 33-1698	EA Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602).....	114.17	47.80
28 46 21 33-1699	EA Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621).....	128.32	47.80
28 46 21 33-1700	EA Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622).....	128.32	47.80
28 46 21 33-1701	Horns (28 46 21 33-1661)		
28 46 21 33-1702	EA Red, Mini Horn (System Sensor MHR).....	120.12	47.80
28 46 21 33-1703	EA White, Mini Horn (System Sensor MHW).....	120.12	47.80
28 46 21 33-1704	EA White, 12/24 VDC, Wall Mounted Horn Only (System Sensor HW).....	132.61	47.80
28 46 21 33-1705	EA Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R).....	148.49	54.17
28 46 21 33-1706	EA Red, Interior, Wall Mounted, Horn (System Sensor HR).....	132.31	47.80
28 46 21 33-1707	EA Red, Outdoor, Wall Mounted, Horn (System Sensor HRK).....	153.10	47.80
28 46 21 33-1708	Wall Mounted Horns/Strobes (28 46 21 33-1661)		
28 46 21 33-1709	EA Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R).....	163.39	47.80

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1710	EA		Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH).....	168.75	47.80
28 46 21 33-1711	EA		Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK).....	211.83	54.17
28 46 21 33-1712	EA		Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P).....	211.83	54.17
28 46 21 33-1713	EA		Low Frequency, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH-LF).....	216.92	47.80
28 46 21 33-1714	EA		Outdoor Backbox, Red, 120 VAC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120).....	225.21	54.17
28 46 21 33-1715	EA		Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK).....	201.57	54.17
28 46 21 33-1716	EA		Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P).....	206.48	54.17
28 46 21 33-1717	EA		Replacement, Outdoor, Red, , Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R).....	180.35	47.80
28 46 21 33-1718	EA		Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R-P).....	163.39	47.80
28 46 21 33-1719	EA		White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W).....	163.39	47.80
28 46 21 33-1720	EA		White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH).....	169.64	47.80
28 46 21 33-1721	EA		Low Frequency, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-LF).....	216.92	47.80
28 46 21 33-1722	EA		Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK).....	211.83	54.17
28 46 21 33-1723	EA		Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P).....	211.83	54.17
28 46 21 33-1724	EA		Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P).....	168.75	47.80
28 46 21 33-1725	EA		Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK).....	206.48	54.17
28 46 21 33-1726	EA		Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P).....	206.48	54.17
28 46 21 33-1727	EA		Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W-P).....	163.39	47.80
28 46 21 33-1728	EA		Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4R).....	181.41	47.80
28 46 21 33-1729	EA		Red, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH).....	184.95	47.80
28 46 21 33-1730	EA		Outdoor Backbox, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK).....	212.74	54.17
28 46 21 33-1731	EA		Replacement, Outdoor, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R).....	202.91	54.17
28 46 21 33-1732	EA		White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4W).....	182.13	47.80
28 46 21 33-1733	EA		Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK).....	208.26	54.17
28 46 21 33-1734	EA		Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK).....	213.61	54.17
28 46 21 33-1735			Ceiling Mounted Horns/Strobes (28 46 21 33-1661)		
28 46 21 33-1736	EA		Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R).....	163.39	47.80
28 46 21 33-1737	EA		Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH).....	170.53	47.80
28 46 21 33-1738	EA		Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK).....	211.83	54.17
28 46 21 33-1739	EA		Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK).....	206.48	54.17
28 46 21 33-1740	EA		Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P).....	164.29	47.80
28 46 21 33-1741	EA		White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W).....	163.39	47.80
28 46 21 33-1742	EA		White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH).....	170.53	47.80
28 46 21 33-1743	EA		Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK).....	211.83	54.17
28 46 21 33-1744	EA		Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P).....	170.53	47.80
28 46 21 33-1745	EA		Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK).....	206.48	54.17
28 46 21 33-1746	EA		Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P).....	163.39	47.80
28 46 21 33-1747	EA		Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4R).....	181.41	47.80
28 46 21 33-1748	EA		Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH).....	184.95	47.80
28 46 21 33-1749	EA		White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4W).....	182.13	47.80
28 46 21 33-1750			Wall Mounted Strobes (28 46 21 33-1661)		
28 46 21 33-1751	EA		White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW).....	62.20	15.93
28 46 21 33-1752	EA		White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW).....	108.60	15.93
28 46 21 33-1753	EA		Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR).....	149.56	47.80

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

28 46 21 33-1754	EA	Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH).....	161.94	47.80
28 46 21 33-1755	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK).....	194.16	54.17
28 46 21 33-1756	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK).....	192.39	54.17
28 46 21 33-1757	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P).....	193.10	54.17
28 46 21 33-1758	EA	Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R).....	173.47	54.17
28 46 21 33-1759	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR-P).....	150.01	47.80
28 46 21 33-1760	EA	White, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW).....	150.01	47.80
28 46 21 33-1761	EA	White, Amber Lens, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-ALERT).....	159.83	47.80
28 46 21 33-1762	EA	White, Clear Lens, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-CLR-ALERT).....	157.15	47.80
28 46 21 33-1763	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH).....	162.50	47.80
28 46 21 33-1764	EA	White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT).....	161.61	47.80
28 46 21 33-1765	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P).....	161.61	47.80
28 46 21 33-1766	EA	Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P).....	194.88	54.17
28 46 21 33-1767	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK).....	194.88	54.17
28 46 21 33-1768	EA	White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P).....	194.88	54.17
28 46 21 33-1769	EA	Replacement Unit, Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R).....	177.04	54.17
28 46 21 33-1770	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK).....	193.10	54.17
28 46 21 33-1771	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P).....	193.10	54.17
28 46 21 33-1772	EA	White, Plain, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-P).....	149.12	47.80
28 46 21 33-1773	EA	Amber, Wall Strobe Lens Attachment (System Sensor LENS-A).....	22.56	6.37
28 46 21 33-1774	EA	Blue, Wall Strobe Lens Attachment (System Sensor LENS-B).....	22.56	6.37
28 46 21 33-1775	EA	Green, Wall Strobe Lens Attachment (System Sensor LENS-G).....	22.56	6.37
28 46 21 33-1776	EA	Red, Wall Strobe Lens Attachment (System Sensor LENS-R).....	22.56	6.37

28 46 21 33-1777 Ceiling Mounted Strobes (28 46 21 33-1661)

28 46 21 33-1778	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCR).....	149.56	47.80
28 46 21 33-1779	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH).....	163.71	47.80
28 46 21 33-1780	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK).....	194.16	54.17
28 46 21 33-1781	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK).....	194.16	54.17
28 46 21 33-1782	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW).....	150.01	47.80
28 46 21 33-1783	EA	Clear Lens, White, Two Wire, 12/24 VDC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCW-CLR-ALERT).....	157.15	47.80
28 46 21 33-1784	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH).....	164.29	47.80
28 46 21 33-1785	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK).....	194.88	54.17
28 46 21 33-1786	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK).....	193.10	54.17
28 46 21 33-1787	EA	Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P).....	150.90	47.80
28 46 21 33-1788	EA	Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC).....	22.56	6.37
28 46 21 33-1789	EA	Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC).....	22.56	6.37
28 46 21 33-1790	EA	Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC).....	22.56	6.37
28 46 21 33-1791	EA	Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC).....	22.56	6.37

28 46 21 33-1792 Wall Mounted Speakers (28 46 21 33-1661)

28 46 21 33-1793	EA	24 VDC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V).....	317.74	47.80
28 46 21 33-1794	EA	Red, Wall Mounted Speaker (System Sensor SPR).....	130.09	47.80
28 46 21 33-1795	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK).....	176.33	47.80
28 46 21 33-1796	EA	Replacement Unit, Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R).....	161.42	54.17
28 46 21 33-1797	EA	Red, High dB, Wall Mounted Speaker (System Sensor SPRV).....	139.83	47.80
28 46 21 33-1798	EA	White, Wall Mounted Speaker (System Sensor SPW).....	130.38	47.80
28 46 21 33-1799	EA	White, Outdoor, Wall Mounted Speaker (System Sensor SPWK).....	189.08	54.17
28 46 21 33-1800	EA	White, High dB, Wall Mounted Speaker (System Sensor SPWV).....	140.20	47.80

28 46 21 33-1801 Ceiling Mounted Speakers (28 46 21 33-1661)

28 46 21 33-1802	EA	Red, Ceiling Mounted Speaker (System Sensor SPCR).....	130.09	47.80
28 46 21 33-1803	EA	Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK).....	175.66	47.80
28 46 21 33-1804	EA	Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV).....	139.83	47.80

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1805	EA		White, Ceiling Mounted Speaker (System Sensor SPCW).....	130.38	47.80
28 46 21 33-1806	EA		White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV).....	140.20	47.80
28 46 21 33-1807	EA		White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK).....	189.08	54.17
28 46 21 33-1808			Wall Mounted Speakers/Strobes (28 46 21 33-1661)		
28 46 21 33-1809	EA		White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSW).....	116.63	15.93
28 46 21 33-1810	EA		White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSW).....	62.20	15.93
28 46 21 33-1811	EA		Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR).....	185.83	47.80
28 46 21 33-1812	EA		Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH).....	195.56	47.80
28 46 21 33-1813	EA		Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK).....	253.43	54.17
28 46 21 33-1814	EA		Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P).....	254.65	54.17
28 46 21 33-1815	EA		Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R).....	222.54	54.17
28 46 21 33-1816	EA		Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR-P).....	186.59	47.80
28 46 21 33-1817	EA		Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV).....	190.25	47.80
28 46 21 33-1818	EA		White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-ALERT).....	206.22	47.80
28 46 21 33-1819	EA		White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT).....	258.22	54.17
28 46 21 33-1820	EA		White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW).....	186.59	47.80
28 46 21 33-1821	EA		White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH).....	196.40	47.80
28 46 21 33-1822	EA		White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P).....	196.40	47.80
28 46 21 33-1823	EA		White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK).....	254.65	54.17
28 46 21 33-1824	EA		White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P).....	254.65	54.17
28 46 21 33-1825	EA		White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-P).....	186.59	47.80
28 46 21 33-1826	EA		White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV).....	191.05	47.80
28 46 21 33-1827	EA		White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P).....	191.05	47.80
28 46 21 33-1828			Ceiling Mounted Speakers/Strobes (28 46 21 33-1661)		
28 46 21 33-1829	EA		Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCR).....	185.83	47.80
28 46 21 33-1830	EA		Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH).....	197.33	47.80
28 46 21 33-1831	EA		Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV).....	190.25	47.80
28 46 21 33-1832	EA		White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW).....	186.59	47.80
28 46 21 33-1833	EA		White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-CLR-ALERT).....	198.19	47.80
28 46 21 33-1834	EA		White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH).....	196.40	47.80
28 46 21 33-1835	EA		White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK).....	257.33	54.17
28 46 21 33-1836	EA		White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P).....	196.40	47.80
28 46 21 33-1837	EA		White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT).....	258.22	54.17
28 46 21 33-1838	EA		White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK).....	254.65	54.17
28 46 21 33-1839	EA		White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-P).....	186.59	47.80
28 46 21 33-1840	EA		White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV).....	191.05	47.80
28 46 21 33-1841	EA		White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH).....	196.40	47.80
28 46 21 33-1842	EA		White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P).....	191.05	47.80
28 46 21 33-1843	EA		High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH).....	196.15	47.80
28 46 21 33-1844			Electric Alarm Bells (28 46 21 33-1661)		
28 46 21 33-1845	EA		6" 24 Volt DC Alarm Bell (System Sensor SSM24-6).....	150.01	47.80
28 46 21 33-1846	EA		8" 24 Volt DC Alarm Bell (System Sensor SSM24-8).....	159.83	47.80
28 46 21 33-1847	EA		10" 24 Volt DC Alarm Bell (System Sensor SSM24-10).....	182.49	47.80
28 46 21 33-1848			Device Bases (28 46 21 33-1661)		
28 46 21 33-1849	EA		High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S).....	100.57	15.93
28 46 21 33-1850	EA		Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR).....	98.34	15.93
28 46 21 33-1851	EA		Intelligent Isolator Base (System Sensor B224BI).....	82.95	15.93

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
28 46 21 33-1852	EA	Intelligent Relay Base (System Sensor B224RB)	84.06	15.93
28 46 21 33-1853	EA	Flangeless, Intelligent Detector Base (System Sensor B501).....	52.17	15.93
28 46 21 33-1854		Boxes, Plates And Decals <small>(28 46 21 33-1661)</small>		
28 46 21 33-1855	EA	Two Wire, Flanged, 12/24 VDC, Low-Profile, Adapter Base (System Sensor B110LP).....	46.59	15.93
28 46 21 33-1856	EA	Four Wire, Form A And C, 24 VDC Low-Profile, Adapter Base (System Sensor B112LP)	81.51	19.12
28 46 21 33-1857	EA	Conventional Flanged Mounting Base (System Sensor B210LP).....	45.25	15.93
28 46 21 33-1858	EA	120 VAC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K)	77.37	15.93
28 46 21 33-1859	EA	Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB).....	69.34	15.93
28 46 21 33-1860	EA	White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW)	75.59	15.93
28 46 21 33-1861	EA	White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW).....	69.34	15.93
28 46 21 33-1862	EA	Red Retrofit Plate (System Sensor RFP).....	34.82	9.56
28 46 21 33-1863	EA	White Retrofit Plate (System Sensor RFPW).....	34.82	9.56
28 46 21 33-1864	EA	Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB)	60.42	15.93
28 46 21 33-1865	EA	Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC).....	61.76	15.93
28 46 21 33-1866	EA	Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCR).....	52.84	15.93
28 46 21 33-1867	EA	White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCW)	52.84	15.93
28 46 21 33-1868	EA	Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBR)	46.59	15.93
28 46 21 33-1869	EA	Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPR).....	51.05	15.93
28 46 21 33-1870	EA	White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPW)	51.05	15.93
28 46 21 33-1871	EA	White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBW).....	46.59	15.93
28 46 21 33-1872	EA	Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500).....	46.14	15.93
28 46 21 33-1873	EA	Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600)	46.14	15.93
28 46 21 33-1874	EA	Red, Wall Mounted, Trim Ring (System Sensor TR).....	19.26	6.37
28 46 21 33-1875	EA	Red, Ceiling Mounted, Trim Ring (System Sensor TRC).....	19.26	6.37
28 46 21 33-1876	EA	White, Ceiling Mounted, Trim Ring (System Sensor TRCW)	19.26	6.37
28 46 21 33-1877	EA	Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS)	17.17	6.37
28 46 21 33-1878	EA	White, Wall Mounted, Trim Ring (System Sensor TRW).....	19.26	6.37
28 46 21 33-1879	EA	Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R)	23.63	
28 46 21 33-1880	EA	Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC)	32.35	
28 46 21 33-1881	EA	White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W)	23.63	
28 46 21 33-1882	EA	White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC).....	32.35	
28 46 21 33-1883		Chimes <small>(28 46 21 33-1661)</small>		
28 46 21 33-1884	EA	Red, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHR)	135.74	47.80
28 46 21 33-1885	EA	White, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHW)	135.74	47.80
28 46 21 33-1886		Chime/Strobes <small>(28 46 21 33-1661)</small>		
28 46 21 33-1887	EA	Red, 15, 15/75, 30, 75, 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSR)	219.60	47.80
28 46 21 33-1888	EA	White, 15, 15/75, 30, 75, 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSW)	219.60	47.80
28 46 21 33-1889		Carbon Monoxide Detectors <small>(28 46 21 33-1661)</small>		
28 46 21 33-1890	EA	Conventional Carbon Monoxide Detector (System Sensor CO1224)	239.38	63.73
28 46 21 33-1891	EA	Round, Sounder And Trouble Relay With Test Function, 12/24 VDC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR).....	208.45	47.80
28 46 21 33-1892	EA	CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	16.32	6.37
28 46 21 33-1893		Switches <small>(28 46 21 33-1661)</small>		
28 46 21 33-1894	EA	SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1).....	167.85	25.49
28 46 21 33-1895	EA	Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2).....	185.70	25.49
28 46 21 33-1896	EA	SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1).....	167.85	25.49
28 46 21 33-1897	EA	Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	185.70	25.49
28 46 21 33-1898	EA	Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	171.42	25.49
28 46 21 33-1899	EA	Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	162.50	25.49
28 46 21 33-1900		Low Frequency Sounders <small>(28 46 21 33-1661)</small>		
28 46 21 33-1901	EA	Red, Low Frequency Sounder (System Sensor HR-LF)	165.18	47.80
28 46 21 33-1902	EA	White, Low Frequency Sounder (System Sensor HW-LF).....	165.18	47.80
28 46 21 33-1903		Sync Modules <small>(28 46 21 33-1661)</small>		
28 46 21 33-1904	EA	Red, 12/24 VDC, Sync Module (System Sensor MDL3R)	139.56	31.87
28 46 21 33-1905	EA	White, 12/24 VDC, Sync Module (System Sensor MDL3W)	139.56	31.87
28 46 21 33-1906		Relays <small>(28 46 21 33-1661)</small>		
28 46 21 33-1907	EA	Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E).....	83.72	25.49
28 46 21 33-1908	EA	SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T).....	53.64	15.93
28 46 21 33-1909	EA	4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	137.14	15.93
28 46 21 33-1910	EA	4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T).....	103.47	15.93
28 46 21 33-1911	EA	Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E).....	88.81	25.49
28 46 21 33-1912	EA	DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T).....	55.07	15.93
28 46 21 33-1913	EA	4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E).....	153.20	15.93
28 46 21 33-1914	EA	4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T).....	116.63	15.93
28 46 21 33-1915	EA	18 To 35 VDC, 18 To 35 VAC, 120 VAC, SPDT Multivoltage Relay (System Sensor PR-1).....	47.93	15.93
28 46 21 33-1916	EA	10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-2).....	47.93	15.93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1917	EA		Redundant Power Input, 10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-3).....	47.93	15.93
28 46 21 33-1918			Remote Annunciator (28 46 21 33-1661)		
28 46 21 33-1919	EA		Remote Annunciator (System Sensor RA100Z)	107.90	47.80
28 46 21 33-1920	EA		Remote LED Annunciator (System Sensor RA100ZA)	112.89	47.80
28 46 21 33-1921			Remote Test Station (28 46 21 33-1661)		
28 46 21 33-1922	EA		Remote Test Station With Key (System Sensor RTS151KEY)	134.99	47.80
28 46 21 33-1923			Wheelock Fire Alarm (28 46 21 33)		
28 46 21 33-1924			Ceiling Mounted Chimes/Strobes (28 46 21 33-1923)		
28 46 21 33-1925	EA		White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 VDC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	250.83	47.80
28 46 21 33-1926			Wall Mounted Chimes/Strobes (28 46 21 33-1923)		
28 46 21 33-1927	EA		Red, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)	250.83	47.80
28 46 21 33-1928	EA		White, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW).....	250.83	47.80
28 46 21 33-1929			Ceiling Mounted Horns/Strobes (28 46 21 33-1923)		
28 46 21 33-1930	EA		Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)	167.85	47.80
28 46 21 33-1931	EA		White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	167.85	47.80
28 46 21 33-1932			Wall Mounted Horns/Strobes (28 46 21 33-1923)		
28 46 21 33-1933	EA		Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR).....	177.67	47.80
28 46 21 33-1934	EA		Red, 24 VDC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR).....	197.30	47.80
28 46 21 33-1935	EA		Red, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	185.70	47.80
28 46 21 33-1936	EA		White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	185.70	47.80
28 46 21 33-1937	EA		Red, Flush, 24 VAC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR)	189.27	47.80
28 46 21 33-1938	EA		Red, 24 VAC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR)	182.58	47.80
28 46 21 33-1939	EA		Red, 115 VAC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	182.13	47.80
28 46 21 33-1940	EA		Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	205.59	54.17
28 46 21 33-1941	EA		Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)	168.30	47.80
28 46 21 33-1942	EA		White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW)	168.30	47.80
28 46 21 33-1943			Ceiling Mounted Strobes (28 46 21 33-1923)		
28 46 21 33-1944	EA		Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	153.13	47.80
28 46 21 33-1945	EA		White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW).....	153.13	47.80
28 46 21 33-1946	EA		Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC)	155.36	47.80
28 46 21 33-1947	EA		White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)	155.36	47.80
28 46 21 33-1948			Wall Mounted Strobes (28 46 21 33-1923)		
28 46 21 33-1949	EA		Red, Multi-Candela, 24 VDC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR).....	220.49	47.80
28 46 21 33-1950	EA		Red, Retrofit Plate, 12 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	184.81	47.80
28 46 21 33-1951	EA		Red, 24 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	166.07	47.80
28 46 21 33-1952	EA		Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)	157.15	47.80
28 46 21 33-1953	EA		White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW).....	157.15	47.80
28 46 21 33-1954	EA		Red, Retrofit Plate, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)	170.09	47.80
28 46 21 33-1955	EA		Outdoor, Red, 24 VDC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR)	177.93	54.17
			Note: Requires WPSBB-R.		
28 46 21 33-1956	EA		Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	155.36	47.80
28 46 21 33-1957	EA		White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STW).....	155.36	47.80
28 46 21 33-1958			Ceiling Mounted Speakers/Strobes (28 46 21 33-1923)		
28 46 21 33-1959	EA		Red, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	195.51	47.80
28 46 21 33-1960	EA		White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	195.51	47.80
28 46 21 33-1961	EA		White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	193.73	47.80
28 46 21 33-1962	EA		White, 24 VDC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	195.51	47.80
28 46 21 33-1963	EA		White, 24 VDC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCCH-FW)	206.66	47.80
28 46 21 33-1964	EA		White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	210.68	47.80
28 46 21 33-1965			Wall Mounted Speakers/Strobes (28 46 21 33-1923)		

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

28 46 21 33-1966	EA	Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR).....	212.46	47.80
28 46 21 33-1967	EA	White, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW).....	212.46	47.80
28 46 21 33-1968	EA	Red, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FR).....	206.66	47.80
28 46 21 33-1969	EA	White, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FW).....	206.66	47.80
28 46 21 33-1970	EA	Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR).....	195.51	47.80
28 46 21 33-1971	EA	White, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW).....	191.94	47.80
28 46 21 33-1972	EA	Red, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR).....	206.66	47.80
28 46 21 33-1973	EA	White, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW).....	206.66	47.80
28 46 21 33-1974	EA	Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR).....	210.68	47.80
28 46 21 33-1975	EA	Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR).....	195.51	47.80
28 46 21 33-1976	EA	White, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW).....	191.94	47.80
28 46 21 33-1977	EA	Red, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR).....	206.66	47.80
28 46 21 33-1978	EA	White, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....	210.68	47.80
28 46 21 33-1979	EA	Red, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR).....	210.68	47.80
28 46 21 33-1980	EA	White, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW).....	210.68	47.80
28 46 21 33-1981	EA	Weatherproof, Red, 24 VDC, 75 Candela, Wall Mounted Speaker Strobe (Wheelock ET70WP-2475 W-FR).....	231.01	54.17

Note: Requires weatherproof backbox (IOB).

28 46 21 33-1982 Electric Alarm Bells (28 46 21 33-1923)

28 46 21 33-1983	EA	6", 24 VDC, Red, Vibrating Bell (Wheelock 43T-G6-24-R).....	170.98	47.80
28 46 21 33-1984	EA	6", 115 VAC, Red, Vibrating Bell (Wheelock 43T-G6-115-R).....	170.98	47.80
28 46 21 33-1985	EA	10", 115 VAC, Red, Vibrating Bell (Wheelock 43T-G10-115-R).....	212.46	47.80
28 46 21 33-1986	EA	115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSX10-115-R).....	1,277.96	54.17
28 46 21 33-1987	EA	Outdoor, 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSXG10-115-R).....	1,999.72	54.17
28 46 21 33-1988	EA	Vibrating, Outdoor, 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CVXG10-115-R).....	1,870.36	54.17
28 46 21 33-1989	EA	6", ADA, 24 VDC, Red, Motor Bell (Wheelock MB-G6-24-R).....	144.21	47.80
28 46 21 33-1990	EA	10", ADA, 24 VDC, Red, Motor Bell (Wheelock MB-G10-24-R).....	165.18	47.80

28 46 21 33-1991 Horns (28 46 21 33-1923)

28 46 21 33-1992	EA	Two Wire, 24 VDC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non Sync Horn (Wheelock AH-24WP-R).....	131.28	47.80
28 46 21 33-1993	EA	Red, Two Wire, 12/24 VDC, Wall Mounted Horn (Wheelock HNR).....	130.83	47.80
28 46 21 33-1994	EA	White, Two Wire, 12/24 VDC, Wall Mounted Horn (Wheelock HNW).....	130.83	47.80
28 46 21 33-1995	EA	Red, Two Wire, 12/24 VDC, Ceiling Mounted Horn (Wheelock HNR-C).....	131.28	47.80
28 46 21 33-1996	EA	White, Two Wire, 12/24 VDC, Ceiling Mounted Horn (Wheelock HNW-C).....	131.28	47.80
28 46 21 33-1997	EA	Red, 24 VDC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R).....	116.11	47.80
28 46 21 33-1998	EA	White, 24 VDC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W).....	116.11	47.80
28 46 21 33-1999	EA	Red, Flush, 12/24 VAC, Horn (Wheelock MT-12/24-R).....	129.05	47.80

28 46 21 33-2000 Speakers (28 46 21 33-1923)

28 46 21 33-2001	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-R).....	133.95	47.80
28 46 21 33-2002	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-W).....	133.95	47.80
28 46 21 33-2003	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-R).....	133.95	47.80
28 46 21 33-2004	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-W).....	131.72	47.80
28 46 21 33-2005	EA	Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-R).....	133.95	47.80
28 46 21 33-2006	EA	White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-W).....	133.95	47.80
28 46 21 33-2007	EA	Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-R).....	133.95	47.80
28 46 21 33-2008	EA	White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-W).....	133.95	47.80
28 46 21 33-2009	EA	Red, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-R).....	148.23	47.80
28 46 21 33-2010	EA	White, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-W).....	148.23	47.80
28 46 21 33-2011	EA	White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watts Ceiling Mounted Speaker (Wheelock ET90-W).....	150.01	47.80
28 46 21 33-2012	EA	Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R).....	162.95	47.80
28 46 21 33-2013	EA	Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R).....	157.15	47.80
28 46 21 33-2014	EA	Grey, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15S).....	273.13	47.80
28 46 21 33-2015	EA	Red, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15SR).....	273.13	47.80

28 46 21 33-2016 Sync Modules (28 46 21 33-1923)

28 46 21 33-2017	EA	12 Or 24 VDC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R).....	133.32	31.87
------------------	----	--	--------	-------

28 46 21 33-2018 Boxes, Plates And Rings (28 46 21 33-1923)

28 46 21 33-2019	EA	4" Square, Red, Surface Backbox (Wheelock BB-R).....	40.12	15.93
28 46 21 33-2020	EA	Standard 4" Square Box (Wheelock BB-STD).....	37.76	15.93
28 46 21 33-2021	EA	Black, Backbox For UZC-256 (Wheelock BB-UZC).....	176.14	31.87
28 46 21 33-2022	EA	Red, Backbox For UZC-256 (Wheelock BB-UZC-R).....	176.14	31.87
28 46 21 33-2023	EA	9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP).....	132.17	25.49
28 46 21 33-2024	EA	Red, Extender Ring For E60 Series (Wheelock E60EXT-R).....	20.56	6.37
28 46 21 33-2025	EA	White, Extender Ring For E60 Series (Wheelock E60EXT-W).....	20.33	6.37
28 46 21 33-2026	EA	Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R).....	49.27	15.93
28 46 21 33-2027	EA	White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W).....	47.48	15.93
28 46 21 33-2028	EA	Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R).....	50.16	15.93
28 46 21 33-2029	EA	White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W).....	50.16	15.93
28 46 21 33-2030	EA	4" Square Backbox (Wheelock DBB-R).....	42.13	15.93

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

28 46 21 33-2031	EA		Red, Surface Backbox (Wheelock IOB-R).....	48.37	15.93
28 46 21 33-2032	EA		White, Surface, Backbox (Wheelock IOB-W).....	48.37	15.93
28 46 21 33-2033	EA		White, Indoor, Surface Extender (Wheelock ISP2-W).....	19.66	6.37
28 46 21 33-2034	EA		Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R).....	20.33	6.37
28 46 21 33-2035	EA		White, RS/RSS Strobe Trim Plate (Wheelock NATP-W).....	20.33	6.37
28 46 21 33-2036	EA		Red Retrofit Plate (Wheelock RP-R).....	23.01	6.37
28 46 21 33-2037	EA		4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4).....	31.49	6.37
28 46 21 33-2038	EA		Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R).....	50.16	15.93
28 46 21 33-2039	EA		White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W).....	50.16	15.93
28 46 21 33-2040	EA		Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R).....	53.50	15.93
28 46 21 33-2041	EA		Red, Semi-Flush Plate (Wheelock SFB-R).....	21.00	6.37
28 46 21 33-2042	EA		White, Semi-Flush Plate (Wheelock SFB-W).....	21.00	6.37
28 46 21 33-2043	EA		Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R).....	45.25	15.93
28 46 21 33-2044	EA		White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W).....	45.25	15.93
28 46 21 33-2045	EA		Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R).....	27.69	6.37
28 46 21 33-2046	EA		Red, Weatherproof Backbox (Wheelock WBB).....	60.42	15.93
28 46 21 33-2047	EA		Weather Resistant Backbox (Wheelock WBB-R).....	60.42	15.93
28 46 21 33-2048	EA		Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R).....	34.38	6.37
28 46 21 33-2049	EA		White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W).....	34.38	6.37
28 46 21 33-2050	EA		Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R).....	34.38	6.37
28 46 21 33-2051	EA		White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W).....	34.38	6.37
28 46 21 33-2052	EA		Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT).....	21.00	6.37
28 46 21 33-2053	EA		Weather Resistant Backbox For ASWP (Wheelock WPBB-R).....	52.39	15.93
28 46 21 33-2054	EA		Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R).....	50.16	15.93

28 46 21 33-2055 Manual Pull Station (28 46 21 33-1923)

28 46 21 33-2056	EA		SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100).....	105.15	31.87
28 46 21 33-2057	EA		SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200).....	105.15	31.87
28 46 21 33-2058	EA		Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X).....	689.15	31.87

28 46 21 33-2059 Fire Alarm Terminal Cabinets (28 46 21 33)

28 46 21 33-2060	EA		18 Point Lockable Fire Alarm Terminal Cabinet.....	199.84	63.80
28 46 21 33-2061	EA		32 Point Lockable Fire Alarm Terminal Cabinet.....	243.21	63.80
28 46 21 33-2062	EA		64 Point Lockable Fire Alarm Terminal Cabinet.....	329.93	63.80
28 46 21 33-2063	EA		128 Point Lockable Fire Alarm Terminal Cabinet.....	416.62	63.80

28 49 Electronic Personal Protection Systems (28 49)

28 49 11 Electronic Personal Safety Detection Systems (28 49)

28 49 11 00-0001 Personnel Alarm Locating System (28 49 11)

Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.

28 49 11 00-0002	EA		Personnel Alarm Locating System.....	14,072.51	1,022.41
			Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.		
28 49 11 00-0003	EA		Personnel Alarm Transmitters With Lithium Batteries.....	104.24	
28 49 11 00-0004	EA		Lapel Reader.....	40.09	
28 49 11 00-0005	EA		IR Locator.....	180.77	38.28
28 49 11 00-0006	EA		Repeaters And Receivers.....	471.69	127.59

28 49 17 Electronic Personal Safety Emergency Aid Devices (28 49)

28 49 17 00-0001 Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) (28 49 17)

28 49 17 00-0002 Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)

28 49 17 00-0003	EA		Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5).....	259.22	76.55
			Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).		
28 49 17 00-0004	EA		Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5).....	306.21	89.32
			Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.		
28 49 17 00-0005	EA		Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5).....	307.89	89.32
			Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.		

28 49 17 00-0006 Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)

28 49 17 00-0007	EA		High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5).....	183.15	47.85
28 49 17 00-0008	EA		High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5).....	170.91	38.28
28 49 17 00-0009	EA		Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592).....	97.72	38.28
28 49 17 00-0010	EA		1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5).....	144.92	38.28
28 49 17 00-0011	EA		2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5).....	161.80	38.28
28 49 17 00-0012	EA		4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5).....	179.31	38.28
28 49 17 00-0013	EA		2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2).....	235.61	38.28
28 49 17 00-0014	EA		4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4).....	259.84	38.28

28 Electronic Safety And Security**28 40 Life Safety****28 49 Electronic Personal Protection Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 49 17 00-0015			Call Activation Devices, Emergency Aid Devices (Edwards Signaling) <small>(28 49 17 00-0001)</small>		
28 49 17 00-0016	EA		Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537).....	118.90	38.28
28 49 17 00-0017	EA		Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E).....	159.13	38.28
28 49 17 00-0018	EA		Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E).....	197.97	38.28
28 49 17 00-0019	EA		3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302).....	186.84	12.76
28 49 17 00-0020	EA		Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930).....	162.72	38.28
28 49 17 00-0021	EA		Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L).....	185.95	38.28
28 49 17 00-0022	EA		Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L).....	291.81	38.28
28 49 17 00-0023	EA		Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620).....	156.33	38.28
28 49 17 00-0024	EA		Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675).....	159.69	12.76
28 49 17 00-0025	EA		Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676).....	240.77	12.76
28 49 17 00-0026	EA		Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685).....	245.75	12.76
28 49 17 00-0027	EA		Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686).....	320.20	12.76

END OF SECTION 28

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

31 Earthwork

31 05 Common Work Results For Earthwork⁽³¹⁾

31 05 16 Aggregates For Earthwork^(31 05)

See CSI section 01 74 19 00-0034 for for hauling greater than 15 miles.

31 05 16 00-0001	TON Select Granular Fill (203.07M).....	22.57	
	<i>For Up To 14, Add</i>	6.18	
	<i>For >14 To 35, Add</i>	2.26	
31 05 16 00-0002	TON Type II Underdrain Filter Stone (605.1001M).....	29.23	
	<i>For Up To 14, Add</i>	8.18	
	<i>For >14 To 35, Add</i>	2.92	
31 05 16 00-0003	TON Fine Stone Fill (620.02M).....	27.31	
	<i>For Up To 14, Add</i>	7.60	
	<i>For >14 To 35, Add</i>	2.73	
31 05 16 00-0004	TON Light Stone Fill (620.03M).....	27.88	
	<i>For Up To 14, Add</i>	7.77	
	<i>For >14 To 35, Add</i>	2.79	
31 05 16 00-0005	TON Medium Stone Fill (620.04M).....	33.16	
	<i>For Up To 14, Add</i>	9.36	
	<i>For >14 To 35, Add</i>	3.32	
31 05 16 00-0006	TON Heavy Stone Fill (620.05M)	34.90	
	<i>For Up To 14, Add</i>	9.88	
	<i>For >14 To 35, Add</i>	3.49	
31 05 16 00-0007	TON Crushed Stone (Size 1) (703-0201CM)	29.06	
	<i>For Up To 14, Add</i>	8.13	
	<i>For >14 To 35, Add</i>	2.91	
31 05 16 00-0008	TON Crushed Stone (Size 1A) (703-0201AM)	30.79	
	<i>For Up To 14, Add</i>	8.65	
	<i>For >14 To 35, Add</i>	3.08	
31 05 16 00-0009	TON Crushed Stone (Size 1ST) (703-0201BM)	28.83	
	<i>For Up To 14, Add</i>	8.06	
	<i>For >14 To 35, Add</i>	2.88	
31 05 16 00-0010	TON Crushed Stone (Size 2) (703-0201DM)	28.53	
	<i>For Up To 14, Add</i>	7.97	
	<i>For >14 To 35, Add</i>	2.85	
31 05 16 00-0011	TON Crushed Stone (Size 3) (703-0201FM).....	28.91	
	<i>For Up To 14, Add</i>	8.08	
	<i>For >14 To 35, Add</i>	2.89	
31 05 16 00-0012	TON Crushed Stone (Size 3A) (703-0201EM)	28.91	
	<i>For Up To 14, Add</i>	8.08	
	<i>For >14 To 35, Add</i>	2.89	
31 05 16 00-0013	TON Crushed Gravel (Size 1) (703-0202CM)	32.60	
	<i>For Up To 14, Add</i>	9.19	
	<i>For >14 To 35, Add</i>	3.26	
31 05 16 00-0014	TON Crushed Gravel (Size 1A) (703-0202AM)	31.11	
	<i>For Up To 14, Add</i>	8.74	
	<i>For >14 To 35, Add</i>	3.11	
31 05 16 00-0015	TON Crushed Gravel (Size 1ST) (703-0202BM)	28.79	
	<i>For Up To 14, Add</i>	8.05	
	<i>For >14 To 35, Add</i>	2.88	
31 05 16 00-0016	TON Crushed Gravel (Size 2) (703-0202DM)	28.91	
	<i>For Up To 14, Add</i>	8.08	
	<i>For >14 To 35, Add</i>	2.89	
31 05 16 00-0017	TON Crushed Gravel (Size 3) (703-0202FM).....	28.53	
	<i>For Up To 14, Add</i>	7.97	
	<i>For >14 To 35, Add</i>	2.85	
31 05 16 00-0018	TON Crushed Gravel (Size 3A) (703-0202EM)	29.78	
	<i>For Up To 14, Add</i>	8.34	
	<i>For >14 To 35, Add</i>	2.98	
31 05 16 00-0019	TON Mortar Sand (703-03M)	23.94	
	<i>For Up To 14, Add</i>	6.59	
	<i>For >14 To 35, Add</i>	2.39	
31 05 16 00-0020	TON Concrete Sand (703-07M)	25.63	
	<i>For Up To 14, Add</i>	7.10	
	<i>For >14 To 35, Add</i>	2.56	
31 05 16 00-0021	TON Crushed Run (Size 25MM) (A1M).....	25.23	
	<i>For Up To 14, Add</i>	6.98	
	<i>For >14 To 35, Add</i>	2.52	
31 05 16 00-0022	TON Crushed Run (Size #1) (A2M).....	26.06	
	<i>For Up To 14, Add</i>	7.23	
	<i>For >14 To 35, Add</i>	2.61	
31 05 16 00-0023	TON Crushed Run (Size 25MM) (A3M).....	24.71	
	<i>For Up To 14, Add</i>	6.82	
	<i>For >14 To 35, Add</i>	2.47	
31 05 16 00-0024	TON Crushed Run (Size 40MM) (A4M).....	24.16	
	<i>For Up To 14, Add</i>	6.66	
	<i>For >14 To 35, Add</i>	2.42	
31 05 16 00-0025	TON Crushed Run (Size 50MM) (A5M).....	23.92	
	<i>For Up To 14, Add</i>	6.59	
	<i>For >14 To 35, Add</i>	2.39	
31 05 16 00-0026	TON Embankment (Bank Run Gravel)	21.71	
	<i>For Up To 14, Add</i>	5.92	
	<i>For >14 To 35, Add</i>	2.17	
31 05 16 00-0027	TON Select Granular Subbase (203.20M)	22.02	

31 Earthwork**31 05 Common Work Results For Earthwork****31 05 16 Aggregates For Earthwork**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		<i>For Up To 14, Add</i>	6.02	
		<i>For >14 To 35, Add</i>	2.20	
31 05 16 00-0028	TON	Type 1 Subbase Course (304.11M).....	22.87	
		<i>For Up To 14, Add</i>	6.27	
		<i>For >14 To 35, Add</i>	2.29	
31 05 16 00-0029	TON	Type 2 Subbase Course (304.12M).....	23.31	
		<i>For Up To 14, Add</i>	6.40	
		<i>For >14 To 35, Add</i>	2.33	
31 05 16 00-0030	TON	Type 3 Subbase Course (304.13M).....	22.76	
		<i>For Up To 14, Add</i>	6.24	
		<i>For >14 To 35, Add</i>	2.28	
31 05 16 00-0031	TON	Type 4 Subbase Course (304.14M).....	23.40	
		<i>For Up To 14, Add</i>	6.43	
		<i>For >14 To 35, Add</i>	2.34	
31 05 16 00-0032	TON	Type 4A Subbase Course (304.14AM).....	24.07	
		<i>For Up To 14, Add</i>	6.63	
		<i>For >14 To 35, Add</i>	2.41	
31 05 16 00-0033	TON	Type 1011 Subbase Course (Recycled Crushed Concrete) (17304.1011M).....	26.12	
		<i>For Up To 14, Add</i>	7.25	
		<i>For >14 To 35, Add</i>	2.61	

31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization ⁽³¹⁾⁽⁰⁵⁾

See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing ⁽³¹⁾**31 11 Clearing And Grubbing ^(31 10)****31 11 00 00-0001 Clear And Grub Roots And Stumps ^(31 11)**

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip	8,763.39	
		Note: Includes grub and removal of stump		
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter	2,038.93	
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip	10,223.95	
		Note: Includes grub and removal of stump		
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter	3,398.21	
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip	11,618.12	
		Note: Includes grub and removal of stump		
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter	3,862.05	
31 11 00 00-0008	ACR	Clearing By Machine - Light Brush Without Grub	347.92	
31 11 00 00-0009	ACR	Clearing By Machine - Medium Brush Without Grub.....	692.04	
31 11 00 00-0010	ACR	Clearing By Machine - Heavy Brush Without Grub	981.71	
31 11 00 00-0011	ACR	Chipping - Light Brush	2,726.87	
31 11 00 00-0012	ACR	Chipping - Medium Brush	3,506.16	
31 11 00 00-0013	ACR	Chipping - Heavy Brush	4,909.06	

31 11 00 00-0014 Loading Of Cleared And Grubbed Material ^(31 11)

See CSI section 01 74 19 00-0034 for hauling.

31 11 00 00-0015	CY	Machine Loading Of Cleared And Grubbed Material	11.69	
31 11 00 00-0016	CY	Chute Loading Of Cleared And Grubbed Material	14.03	
31 11 00 00-0017	CY	Hand Loading Of Cleared And Grubbed Material	46.48	
31 11 00 00-0018	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material.....	36.51	

31 13 Selective Tree And Shrub Removal And Trimming ^(31 10)**31 13 13 Selective Tree And Shrub Removal ^(31 13)****31 13 13 00-0001 Individual Tree Removal ^(31 13 13)**

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal	638.99	
		Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal	958.50	
		Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal	1,277.99	
		Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal	1,916.99	
		Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal	2,555.99	
		Note: Includes cutting up tree, chipping and loading.		

31 13 13 00-0007 Stump Removal ^(31 13 13)

Note: Measured by diameter of stump.

31 13 13 00-0008 Stump Removal By Machine ^(31 13 13 00-0007)

31 13 13 00-0009	EA	Up To 6" Diameter Stump Removal	101.95	
		Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0010	EA	>6" To 12" Diameter Stump Removal	195.40	
		Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0011	EA	>12" To 24" Diameter Stump Removal	254.87	
		Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0012	EA	>24" To 36" Diameter Stump Removal	382.31	
		Note: Includes excavation necessary to remove stump and loading.		

Earthwork	31	13
Site Clearing	31 10	
Selective Tree And Shrub Removal And Trimming	31 13	

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

31 13 13 00-0013	EA	>36" To 48" Diameter Stump Removal.....	450.29
		Note: Includes excavation necessary to remove stump and loading.	
31 13 13 00-0014		Stump Removal By Hand <small>(31 13 13 00-0007)</small>	
31 13 13 00-0015	EA	Up To 6" Diameter Stump Removal By Hand.....	697.02
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	
31 13 13 00-0016	EA	>6" To 12" Diameter Stump Removal By Hand.....	871.29
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	
31 13 13 00-0017	EA	>12" To 24" Diameter Stump Removal By Hand.....	1,277.89
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	
31 13 13 00-0018	EA	>24" To 36" Diameter Stump Removal By Hand.....	1,742.57
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	
31 13 13 00-0019	EA	>36" To 48" Diameter Stump Removal By Hand.....	2,323.44
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	
31 13 13 00-0020		Stump Grinding <small>(31 13 13)</small>	
		Note: Measured by diameter of stump.	
31 13 13 00-0021		Stump Grinding, 18" Deep Below Surface Of Soil <small>(31 13 13 00-0020)</small>	
		Note: Level soil to match existing surface area.	
31 13 13 00-0022	EA	Stump Grinding >42" To 48" Tree.....	447.15
		<i>For 24" Depth, Add</i>	89.43
31 13 13 00-0023	EA	Stump Grinding Up To 6" Tree.....	133.26
		<i>For 24" Depth, Add</i>	26.65
31 13 13 00-0024	EA	Stump Grinding >6" To 12" Tree.....	177.68
		<i>For 24" Depth, Add</i>	35.54
31 13 13 00-0025	EA	Stump Grinding >12" To 15" Tree.....	199.90
		<i>For 24" Depth, Add</i>	39.98
31 13 13 00-0026	EA	Stump Grinding >15" To 18" Tree.....	222.10
		<i>For 24" Depth, Add</i>	44.42
31 13 13 00-0027	EA	Stump Grinding >18" To 21" Tree.....	238.76
		<i>For 24" Depth, Add</i>	47.75
31 13 13 00-0028	EA	Stump Grinding >21" To 24" Tree.....	255.42
		<i>For 24" Depth, Add</i>	51.08
31 13 13 00-0029	EA	Stump Grinding >24" To 27" Tree.....	277.63
		<i>For 24" Depth, Add</i>	55.53
31 13 13 00-0030	EA	Stump Grinding >27" To 30" Tree.....	301.83
		<i>For 24" Depth, Add</i>	60.37
31 13 13 00-0031	EA	Stump Grinding >30" To 33" Tree.....	335.37
		<i>For 24" Depth, Add</i>	67.07
31 13 13 00-0032	EA	Stump Grinding >33" To 36" Tree.....	357.72
		<i>For 24" Depth, Add</i>	71.54
31 13 13 00-0033	EA	Stump Grinding >36" To 42" Tree.....	402.43
		<i>For 24" Depth, Add</i>	80.49
31 13 13 00-0034		Shrub Removal <small>(31 13 13)</small>	
31 13 13 00-0035	EA	Removal Of 18" To 24" Shrub, Broadleaf Evergreen.....	51.37
31 13 13 00-0036	EA	Removal Of 2' To 3' Shrub, Broadleaf Evergreen.....	80.56
31 13 13 00-0037	EA	Removal Of 3' To 4' Shrub, Broadleaf Evergreen.....	93.40
31 13 13 00-0038	EA	Removal Of 4' To 5' Shrub, Broadleaf Evergreen.....	140.10
31 13 13 00-0039	EA	Removal Of 12" To 15" Shrub, Deciduous.....	25.68
31 13 13 00-0040	EA	Removal Of 18" To 24" Shrub, Deciduous.....	39.69
31 13 13 00-0041	EA	Removal Of 2' To 3' Shrub, Deciduous.....	51.37
31 13 13 00-0042	EA	Removal Of 3' To 4' Shrub, Deciduous.....	56.03
31 13 13 00-0043	EA	Removal Of 18" To 24" Shrub, Evergreen.....	51.37
31 13 13 00-0044	EA	Removal Of 24" To 30" Shrub, Evergreen.....	56.03
31 13 13 00-0045	EA	Removal Of 30" To 36" Shrub, Evergreen.....	80.56
31 13 13 00-0046	EA	Removal Of 36" To 42" Shrub, Evergreen.....	140.09
31 13 16		Selective Tree And Shrub Trimming <small>(31 13)</small>	
31 13 16 00-0001		Tree Trimming For Pole Line Construction And Maintenance <small>(31 13 16)</small>	
		Note: Area to be vertical cleared (to include overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.	
31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction.....	2.15
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction.....	3.24
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction.....	3.80

- 31 20 Earth Moving (31)
- 31 23 Excavation And Fill (31 20)
- 31 23 16 Excavation** (31 23)

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**31 23 16 13****Trenching** (31 23 16)

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001**Excavation For Trenching By Machine** (31 23 16 13)

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	11.36
		<i>For Up To 20, Add</i>	9.09
		<i>For >20 To 50, Add</i>	5.68
		<i>For >50 To 250, Add</i>	2.84
		<i>For >500 To 1,000, Deduct</i>	-1.70
		<i>For >1,000, Deduct</i>	-3.41
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	6.90
		<i>For Up To 20, Add</i>	5.52
		<i>For >20 To 50, Add</i>	3.45
		<i>For >50 To 250, Add</i>	1.73
		<i>For >500 To 1,000, Deduct</i>	-1.04
		<i>For >1,000, Deduct</i>	-2.07
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock	18.79
		<i>For Up To 20, Add</i>	15.03
		<i>For >20 To 50, Add</i>	9.40
		<i>For >50 To 250, Add</i>	4.70
		<i>For >500 To 1,000, Deduct</i>	-2.82
		<i>For >1,000, Deduct</i>	-5.64
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock	12.25
		<i>For Up To 20, Add</i>	9.80
		<i>For >20 To 50, Add</i>	6.13
		<i>For >50 To 250, Add</i>	3.06
		<i>For >500 To 1,000, Deduct</i>	-1.84
		<i>For >1,000, Deduct</i>	-3.68

31 23 16 13-0006**Excavation For Trenching By Hand** (31 23 16 13)

31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil	153.35
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock	263.06
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	

31 23 16 13-0009**Backfilling Or Placing Subbase For Trenches** (31 23 16 13)

Note: With imported or stockpiled materials.

31 23 16 13-0010	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	4.13
		<i>For Up To 20, Add</i>	3.30
		<i>For >20 To 50, Add</i>	2.07
		<i>For >50 To 250, Add</i>	1.03
		<i>For >500 To 1,000, Deduct</i>	-0.62
		<i>For >1,000, Deduct</i>	-1.24
31 23 16 13-0011	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	42.60

31 23 16 13-0012**Compaction Of Fill Or Subbase For Trenches** (31 23 16 13)

Note: Includes restoration of final grade.

31 23 16 13-0013	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera	8.82
		<i>For Up To 20, Add</i>	7.06
		<i>For >20 To 50, Add</i>	4.41
		<i>For >50 To 250, Add</i>	2.21
		<i>For >500 To 1,000, Deduct</i>	-1.32
		<i>For >1,000, Deduct</i>	-2.65
31 23 16 13-0014	CY	Compaction of Fill or Subbase for Trenches by Hand	48.05

31 23 16 13-0015**Loading Excess Material For Removal From Excavation For Trenches** (31 23 16 13)

Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0034 for hauling.

31 23 16 13-0016	CY	Load Excess Material by Machine for Removal from Excavation for Trenching	7.17
		<i>For Up To 20, Add</i>	5.74
		<i>For >20 To 50, Add</i>	3.59
		<i>For >50 To 250, Add</i>	1.79
		<i>For >500 To 1,000, Deduct</i>	-1.08
		<i>For >1,000, Deduct</i>	-2.15
31 23 16 13-0017	CY	Load Excess Material by Hand for Removal from Excavation for Trenching	112.45

31 23 16 13-0018**Spread Excess Or Imported Material For Trenches** (31 23 16 13)

Note: Includes hand work by laborer for clean-up.

31 23 16 13-0019	CY	Spread Excess Or Imported Material On Site With Machine	3.39
		<i>For Up To 20, Add</i>	2.71
		<i>For >20 To 50, Add</i>	1.70
		<i>For >50 To 250, Add</i>	0.85
		<i>For >500 To 1,000, Deduct</i>	-0.51
		<i>For >1,000, Deduct</i>	-1.02

31 23 16 13-0020**Direct Burial (Plowed-in) Cable Or Piping By Machine** (31 23 16 13)

Note: Includes trench, backfill, compaction and restoration of final grade.

31 23 16 13-0021	LF	Direct Burial of Cable or Piping up to 12" Deep	2.39
31 23 16 13-0022	LF	Direct Burial of Cable or Piping >12" to 24" Deep	2.63
31 23 16 13-0023	LF	Direct Burial of Cable or Piping >24" to 36" Deep	3.74

Earthwork	31	13
Earth Moving	31 20	
Excavation And Fill	31 23	

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

31 23 16 13-0024	LF	Direct Burial of Cable or Piping >36" to 48" Deep.....	4.22
31 23 16 26		Rock Removal <small>(31 23 16)</small>	
31 23 16 26-0001		Rock Breaking By Blasting <small>(31 23 16 26)</small> Note: Includes drilling into rock, charge, blast mats, safety personnel, safety signs, etc. Add for loading and hauling.	
31 23 16 26-0002	BCY	Break Rock By Blasting	90.32
31 23 16 26-0003		Rock Breaking By Jack Hammer <small>(31 23 16 26)</small> Note: Excludes excavation of broken-up rock.	
31 23 16 26-0004	CY	Break Rock With Jack Hammer, Soft Sedimentary Rocks (Shale, Sandstone, Limestone).....	64.06
31 23 16 26-0005	CY	Break Rock With Jack Hammer, Medium Metamorphic Rock (Slate).....	80.07
31 23 16 26-0006	CY	Break Rock With Jack Hammer, Hard Igneous Rock (Granite, Basalt)	100.09
31 23 16 26-0007		Rock Breaking By Machine <small>(31 23 16 26)</small> Note: Excludes excavation of broken-up rock.	
31 23 16 26-0008	CY	Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone)	22.96
31 23 16 26-0009	CY	Rock Breaking By Machine, Medium Metamorphic Rock (Slate).....	24.49
31 23 16 26-0010	CY	Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	29.08
31 23 16 33		Bulk Excavation <small>(31 23 16)</small> Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for For less than 500 CY excavation.	
31 23 16 33-0001		Excavation <small>(31 23 16 33)</small> Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.	
31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	10.60
		<i>For >1,000, Deduct</i>	-1.59
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	5.57
		<i>For >1,000, Deduct</i>	-0.84
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock	13.04
		<i>For >1,000, Deduct</i>	-1.96
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock	6.85
		<i>For >1,000, Deduct</i>	-1.03
31 23 16 33-0006		Spreading, Shaping And Rough Grading <small>(31 23 16 33)</small> Note: Imported or stockpiled material for bulk excavation.	
31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine.....	6.54
		<i>For >1,000, Deduct</i>	-0.98
31 23 16 33-0008		Cutting, Shaping and Rough Grading Of Existing Elevations <small>(31 23 16 33)</small> Note: For bulk excavation.	
31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk for Bulk Excavation by Machine.....	7.27
		<i>For >1,000, Deduct</i>	-1.09
31 23 16 33-0010		Relocating On Site Excavated Material From Excavation <small>(31 23 16 33)</small> Note: For bulk excavation.	
31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	5.82
		<i>For >1,000, Deduct</i>	-0.87
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	8.72
		<i>For >1,000, Deduct</i>	-1.31
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	13.08
		<i>For >1,000, Deduct</i>	-1.96
31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	17.44
		<i>For >1,000, Deduct</i>	-2.62
31 23 16 33-0015		Finish Grading <small>(31 23 16 33)</small> Note: For bulk excavation.	
31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine.....	0.73
31 23 16 33-0017		Compaction Of Fill Or Subbase, Per Lift <small>(31 23 16 33)</small> Note: For bulk excavation.	
31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine	0.75
		Note: Per Lift	
31 23 16 33-0019		Loading Excess Material For Removal From Excavation <small>(31 23 16 33)</small> Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0034 for hauling.	
31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation.....	5.44
		<i>For >1,000, Deduct</i>	-0.82
31 23 16 36		Excavation For Building Foundations And Other Structures <small>(31 23 16)</small> Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.	

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
31 23 16 36-0001	Excavation <small>(31 23 16 36)</small> Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.		
31 23 16 36-0002	Excavation For Building Foundations And Other Structures By Skid-Steer Loader <small>(31 23 16 36-0001)</small>		
31 23 16 36-0003	CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	9.84	
	For Up To 20, Add	9.84	
	For >20 To 50, Add	7.38	
	For >50 To 250, Add	3.94	
	For >250 To 500, Add	1.48	
31 23 16 36-0004	CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock	12.07	
	For Up To 20, Add	12.07	
	For >20 To 50, Add	9.05	
	For >50 To 250, Add	4.83	
	For >250 To 500, Add	1.81	
31 23 16 36-0005	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader <small>(31 23 16 36-0001)</small>		
31 23 16 36-0006	CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	6.68	
	For Up To 20, Add	6.68	
	For >20 To 50, Add	5.01	
	For >50 To 250, Add	2.67	
	For >250 To 500, Add	1.00	
31 23 16 36-0007	CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock	7.96	
	For Up To 20, Add	7.96	
	For >20 To 50, Add	5.97	
	For >50 To 250, Add	3.18	
	For >250 To 500, Add	1.19	
31 23 16 36-0008	Excavation For Building Foundations And Other Structures By Hand <small>(31 23 16 36-0001)</small> Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009	CY Excavation For Building Foundations And Other Structures By Hand in Soil	153.35	
31 23 16 36-0010	CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock	263.06	
31 23 16 36-0011	Relocating On Site Excavated Material From Excavation <small>(31 23 16 36)</small> Note: For building foundations and other structures over 100'.		
31 23 16 36-0012	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300'	5.82	
	For Up To 20, Add	5.82	
	For >20 To 50, Add	4.37	
	For >50 To 250, Add	2.33	
	For >250 To 500, Add	0.87	
31 23 16 36-0013	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500'	8.72	
	For Up To 20, Add	8.72	
	For >20 To 50, Add	6.54	
	For >50 To 250, Add	3.49	
	For >250 To 500, Add	1.31	
31 23 16 36-0014	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000'	13.08	
	For Up To 20, Add	13.08	
	For >20 To 50, Add	9.81	
	For >50 To 250, Add	5.23	
	For >250 To 500, Add	1.96	
31 23 16 36-0015	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000'	17.44	
	For Up To 20, Add	17.44	
	For >20 To 50, Add	13.08	
	For >50 To 250, Add	6.98	
	For >250 To 500, Add	2.62	
31 23 16 36-0016	Backfilling <small>(31 23 16 36)</small> Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.		
31 23 16 36-0017	CY Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	4.79	
	For Up To 20, Add	4.79	
	For >20 To 50, Add	3.59	
	For >50 To 250, Add	1.92	
	For >250 To 500, Add	0.72	
31 23 16 36-0018	CY Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	5.17	
	For Up To 20, Add	5.17	
	For >20 To 50, Add	3.88	
	For >50 To 250, Add	2.07	
	For >250 To 500, Add	0.78	
31 23 16 36-0019	CY Backfilling Around Building Foundations And Other Structures By Hand	73.03	
31 23 16 36-0020	Compaction Of Fill Or Subbase <small>(31 23 16 36)</small> Note: For building foundations and other structures.		

Earthwork	31	13
Earth Moving	31 20	
Excavation And Fill	31 23	

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

31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera.....	13.96	
		For Up To 20, Add	13.96	
		For >20 To 50, Add	10.47	
		For >50 To 250, Add	5.58	
		For >250 To 500, Add	2.09	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand.....	48.05	
31 23 16 36-0023		Grading <small>(31 23 16 36)</small>		
		Note: For building foundations and other structures.		
31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine.....	1.26	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine.....	2.02	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand.....	14.20	
31 23 16 36-0027		Loading Excess Material For Removal From Excavation <small>(31 23 16 36)</small>		
		Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0034 for hauling.		
31 23 16 36-0028	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine.....	5.67	
		For Up To 20, Add	5.67	
		For >20 To 50, Add	4.25	
		For >50 To 250, Add	2.27	
		For >250 To 500, Add	0.85	
31 23 16 36-0029	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand.....	112.45	
31 23 16 36-0030		Spread Material <small>(31 23 16 36)</small>		
		Note: For building foundations and other structures.		
31 23 16 36-0031	CY	Spread Excess Or Imported Material On Site By Machine.....	3.39	
		For Up To 20, Add	3.39	
		For >20 To 50, Add	2.54	
		For >50 To 250, Add	1.36	
		For >250 To 500, Add	0.51	
31 23 16 36-0032	CY	Spread Excess Or Imported Material On Site By Hand.....	62.06	
31 23 19		Dewatering <small>(31 23)</small>		
31 23 19 00-0001		Well Point Dewatering System <small>(31 23 19)</small>		
31 23 19 00-0002		Delivery, Installation And Removal Cost <small>(31 23 19 00-0001)</small>		
		Note: Priced by linear foot of header used.		
31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal.....	145.93	
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal.....	80.26	
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal.....	72.97	
31 23 19 00-0006	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal.....	65.67	
31 23 19 00-0007	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal.....	58.37	
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal.....	51.08	
31 23 19 00-0009		Well Point Dewatering System Rental <small>(31 23 19 00-0001)</small>		
		Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		
31 23 19 00-0010	LFD	Up To 100' In Length Well Point System Rental (LF x Days = Quantity).....	1.78	
		For >5 Days And <1 Month, Deduct	-0.39	
		For >1 Month, Deduct	-0.50	
31 23 19 00-0011	LFD	>100' To 250' In Length Well Point System Rental (LF x Days = Quantity).....	1.04	
		For >5 Days And <1 Month, Deduct	-0.23	
		For >1 Month, Deduct	-0.29	
31 23 19 00-0012	LFD	>250' To 500' In Length Well Point System Rental (LF x Days = Quantity).....	0.74	
		For >5 Days And <1 Month, Deduct	-0.16	
		For >1 Month, Deduct	-0.21	
31 23 19 00-0013	LFD	>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity).....	0.54	
		For >5 Days And <1 Month, Deduct	-0.12	
		For >1 Month, Deduct	-0.15	
31 23 19 00-0014	LFD	>1,000' In Length Well Point System Rental (LF x Days = Quantity).....	0.49	
		For >5 Days And <1 Month, Deduct	-0.11	
		For >1 Month, Deduct	-0.14	
31 23 19 00-0015		Well Point Dewatering System Operation Costs <small>(31 23 19 00-0001)</small>		
		Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016	HR	Operation Costs.....	124.47	
31 23 23		Fill <small>(31 23)</small>		
31 23 23 23		Compaction <small>(31 23 23)</small>		
31 23 23 23-0001		Compaction Water, Water Truck And Operator <small>(31 23 23 23)</small>		
31 23 23 23-0002	MGL	Compaction Water, Water Truck And Operator.....	202.82	
		See CSI section 01 22 23 00-1068 for water truck when water is available on site.		

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**31 23 23 33 Flowable Fill (31 23 23)**

31 23 23 33-0001	Flowable Cement Backfill For Trenches (31 23 23 33)	
	Note: Includes compaction and restoration of final grade.	
31 23 23 33-0002	CY Flowable Cement Backfill for Trenches.....	193.04
	For Up To 20, Add	74.74
	For >20 To 50, Add	48.71
	For >50 To 250, Add	24.35
	For >500 To 1,000, Deduct	-13.02
	For >1,000, Deduct	-26.04

31 24 Embankments (31 20)**31 24 13 Roadway Embankments (31 24)**

31 24 13 00-0001	Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations (31 24 13)	
	Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.	
31 24 13 00-0002	Cutting, Shaping And Rough Grading (31 24 13 00-0001)	
	Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.	
31 24 13 00-0003	Cutting, Shaping, And Rough Grading By Machine (31 24 13 00-0002)	
31 24 13 00-0004	CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil.....	7.27
	For Up To 20, Add	7.27
	For >20 To 50, Add	5.45
	For >50 To 250, Add	2.91
	For >250 To 500, Add	1.09
	For >1,000, Deduct	-1.09
31 24 13 00-0005	CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock.....	9.01
	For Up To 20, Add	9.01
	For >20 To 50, Add	6.76
	For >50 To 250, Add	3.60
	For >250 To 500, Add	1.35
	For >1,000, Deduct	-1.35
31 24 13 00-0006	Cutting, Shaping, And Rough Grading By Hand (31 24 13 00-0002)	
31 24 13 00-0007	SY Shape Embankment/Slope By Hand Up To 1 On 4 Slope.....	7.87
31 24 13 00-0008	SY Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	10.22
31 24 13 00-0009	Scarify Soil (31 24 13 00-0001)	
	Note: For roadways, parking areas, landscaping and embankments by machine.	
31 24 13 00-0010	CSF Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	0.43
	For Up To 20, Add	0.22
	For >20 To 50, Add	0.11
	For >250 To 500, Deduct	-0.04
	For >500, Deduct	-0.09
31 24 13 00-0011	Relocating On Site Excavated Material (31 24 13 00-0001)	
31 24 13 00-0012	CY >500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments.....	13.08
	For Up To 20, Add	13.08
	For >20 To 50, Add	9.81
	For >50 To 250, Add	5.23
	For >250 To 500, Add	1.96
	For >1,000, Deduct	-1.96
31 24 13 00-0013	CY >1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments	17.44
	For Up To 20, Add	17.44
	For >20 To 50, Add	13.08
	For >50 To 250, Add	6.98
	For >250 To 500, Add	2.62
	For >1,000, Deduct	-2.62
31 24 13 00-0014	Spread And Shape Imported Or Stockpiled Material (31 24 13 00-0001)	
	Note: For roadways, parking areas, landscaping and embankments.	
31 24 13 00-0015	CY Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments.....	7.99
	For Up To 20, Add	7.99
	For >20 To 50, Add	5.99
	For >50 To 250, Add	3.20
	For >250 To 500, Add	1.20
	For >1,000, Deduct	-1.20
31 24 13 00-0016	Grading (31 24 13 00-0001)	
	Note: For roadways, parking areas, landscaping and embankments by machine.	
31 24 13 00-0017	SY Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	0.81

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

31 24 13 00-0018	SY		Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	1.08	
31 24 13 00-0019	LF		Finish Grade For Curb.....	1.22	
31 24 13 00-0020	LF		Finish Grade For Curb And Gutter.....	1.49	

31 24 13 00-0021 **Compaction Of Fill Or Subbase** (31 24 13 00-0001)
 Note: For roadways, parking areas, landscaping and embankments by machine, per lift.

31 24 13 00-0022	SY		Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.75	
			<i>For Up To 250, Add</i>	<i>0.75</i>	
			<i>For >250 To 500, Add</i>	<i>0.56</i>	
			<i>For >500 To 1,000, Add</i>	<i>0.30</i>	
			<i>For >5,000, Deduct</i>	<i>-0.11</i>	

31 24 13 00-0023 **Loading Excess Material For Removal From Excavation** (31 24 13 00-0001)
 Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.

31 24 13 00-0024	CY		Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	5.44	
			<i>For Up To 20, Add</i>	<i>5.44</i>	
			<i>For >20 To 50, Add</i>	<i>4.08</i>	
			<i>For >50 To 250, Add</i>	<i>2.18</i>	
			<i>For >250 To 500, Add</i>	<i>0.82</i>	
			<i>For >1,000, Deduct</i>	<i>-0.82</i>	

31 25 Erosion And Sedimentation Controls (31 20)

31 25 14 Stabilization Measures For Erosion And Sedimentation Control (31 25)

31 25 14 13 Hydraulically-Applied Erosion Control (31 25 14)

31 25 14 13-0001 **Bonded Fiber Matrix** (31 25 14 13)

31 25 14 13-0002	MSF		Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	51.30	
31 25 14 13-0003	MSF		>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	45.96	
31 25 14 13-0004	MSF		>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	41.44	
31 25 14 13-0005	MSF		>100,000 Bonded Fiber Matrix, Hydraulically Applied	38.85	

31 25 14 16 Rolled Erosion Control Mats And Blankets (31 25 14)

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001 **Erosion Control Blankets And Turf Reinforcement Mats** (31 25 14 16)

31 25 14 16-0002 **Erosion Control Blankets, Short Term, Light Duty** (31 25 14 16-0001)

31 25 14 16-0003	SY		S75 Single Net Erosion Control Blanket	1.77	
			Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0004	SY		S75BN Single Net Erosion Control Blanket	2.02	
			Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.		
31 25 14 16-0005	SY		Curlex 1, Single Net Erosion Control Blanket	1.72	
			Note: As manufactured by American Excelsior		
31 25 14 16-0006	SY		Curlex 1, Single Net Erosion Control Blanket	1.77	
			Note: As manufactured by American Green.		
31 25 14 16-0007	SY		Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting.....	1.67	

31 25 14 16-0008 **Erosion Control Blankets, Intermediate Duration** (31 25 14 16-0001)

31 25 14 16-0009	SY		S150 Double Net Erosion Control Blanket.....	2.22	
			Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0010	SY		S150 BN Double Net Erosion Control Blanket.....	2.62	
			Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.		
31 25 14 16-0011	SY		Curlex II, Double Net Erosion Control Blanket, Natural	2.03	
			Note: As manufactured by American Excelsior.		
31 25 14 16-0012	SY		Curlex II, Double Net Erosion Control Blanket, Green.....	2.07	
			Note: As manufactured by American Excelsior.		
31 25 14 16-0013	SY		Enforcer Double Net Erosion Control Blanket.....	2.14	
			Note: As manufactured by American Excelsior.		

31 25 14 16-0014 **Turf Reinforcement Mats (TRM)** (31 25 14 16-0001)

Note: Permanent, UV stabilized.

31 25 14 16-0015	SY		P300 Permanent Polypropylene Turf Reinforcement Mat.....	10.38	
			Note: 100% synthetic, UV stabilized, two layer netting.		
31 25 14 16-0016	SY		C350 Permanent Turf Reinforcement Mat	9.73	
			Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.		
31 25 14 16-0017	SY		Recyclex TRM, Permanent Turf Reinforcement Mat	8.09	
			Note: As manufactured by American Excelsior, 100% recycled		

31 25 14 16-0018 **Jute Mesh Erosion Control Blankets** (31 25 14 16-0001)

31 25 14 16-0019	SY		Jute Mesh, Open Uniform Weave.....	1.83	
------------------	----	--	------------------------------------	------	--

31 Earthwork**31 20 Earth Moving****31 25 Erosion And Sedimentation Controls**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0020		Revegetation Mat <small>(31 25 14 16-0001)</small>		
31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber .....6.73 Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.		
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber .....9.44 Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.		
31 25 14 23		Stabilization Measures For Erosion Control <small>(31 25 14)</small>		
		See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.		
31 25 14 23-0001		Sand Bags <small>(31 25 14 23)</small>		
		Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002	BAG	50 LB Capacity Sand Bag With Sand .....7.37 For >2,500 To 5,000, Deduct -0.65 For >5,000, Deduct -1.38		3.23
31 25 14 23-0003	BAG	75 LB Capacity Sand Bag With Sand .....9.43 For >2,500 To 5,000, Deduct -0.80 For >5,000, Deduct -1.75		4.02
31 25 14 23-0004	BAG	100 LB Capacity Sand Bag With Sand .....11.65 For >2,500 To 5,000, Deduct -0.96 For >5,000, Deduct -2.13		4.81
31 25 14 23-0005	BAG	125 LB Capacity Sand Bag With Sand .....14.45 For >2,500 To 5,000, Deduct -1.20 For >5,000, Deduct -2.65		6.00
31 25 14 23-0006	BAG	150 LB Capacity Sand Bag With Sand .....17.47 For >2,500 To 5,000, Deduct -1.44 For >5,000, Deduct -3.19		7.20
31 25 14 23-0007	BAG	175 LB Capacity Sand Bag With Sand .....20.14 For >2,500 To 5,000, Deduct -1.64 For >5,000, Deduct -3.65		8.18
31 25 14 23-0008	BAG	2,000 LB Capacity Sand Bag With Sand .....151.05 For >2,500 To 5,000, Deduct -10.60 For >5,000, Deduct -25.70		52.99
31 25 14 23-0009	BAG	3,000 LB Capacity Sand Bag With Sand .....189.84 For >2,500 To 5,000, Deduct -11.66		58.29
31 25 14 23-0010		Gravel Bags <small>(31 25 14 23)</small>		
		Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0011	BAG	30 LB Capacity Gravel Bag With Gravel .....5.69 For >2,500 To 5,000, Deduct -0.43 For >5,000, Deduct -1.00		2.14
31 25 14 23-0012	BAG	50 LB Capacity Gravel Bag With Gravel .....9.63 For >2,500 To 5,000, Deduct -0.65 For >5,000, Deduct -1.61		3.23
31 25 14 23-0013		Turbidity Curtain <small>(31 25 14 23)</small>		
		Note: Type 2 curtain.		
31 25 14 23-0014	LF	3' High, Type II, Turbidity Curtain .....21.27 For Type I, Deduct -2.80		
31 25 14 23-0015	LF	4' High, Type II, Turbidity Curtain .....22.96 For Type I, Deduct -3.08		
31 25 14 23-0016	LF	5' High, Type II, Turbidity Curtain .....25.22 For Type I, Deduct -3.49		
31 25 14 23-0017	LF	6' High, Type II, Turbidity Curtain .....27.17 For Type I, Deduct -3.83		
31 25 14 23-0018	LF	7' High, Type II, Turbidity Curtain .....28.52 For Type I, Deduct -4.01		
31 25 14 23-0019	LF	8' High, Type II, Turbidity Curtain .....29.88 For Type I, Deduct -4.20		
31 25 14 23-0020	LF	9' High, Type II, Turbidity Curtain .....31.43 For Type I, Deduct -4.42		
31 25 14 23-0021	LF	10' High, Type II, Turbidity Curtain .....33.49 For Type I, Deduct -4.76		
31 25 14 23-0022	LF	12' High, Type II, Turbidity Curtain .....35.20 For Type I, Deduct -5.00		
31 25 14 23-0023	LF	13' High, Type II, Turbidity Curtain .....37.40 For Type I, Deduct -5.36		
31 25 14 23-0024	LF	14' High, Type II, Turbidity Curtain .....39.50 For Type I, Deduct -5.67		
31 25 14 23-0025	LF	15' High, Type II, Turbidity Curtain .....41.54 For Type I, Deduct -5.97		
31 25 14 23-0026	LF	16' High, Type II, Turbidity Curtain .....45.00 For Type I, Deduct -6.59		
31 25 14 23-0027	LF	17' High, Type II, Turbidity Curtain .....47.19 For Type I, Deduct -6.91		
31 25 14 23-0028	LF	18' High, Type II, Turbidity Curtain .....49.34 For Type I, Deduct -7.20		
31 25 14 23-0029	LF	19' High, Type II, Turbidity Curtain .....51.63 For Type I, Deduct -7.52		
31 25 14 23-0030	LF	20' High, Type II, Turbidity Curtain .....53.87 For Type I, Deduct -7.82		
31 25 14 23-0031		Filter Bags <small>(31 25 14 23)</small>		

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

31 25 14 23-0032	Non-Woven Filter Bags <small>(31 25 14 23-0031)</small>		
31 25 14 23-0033	EA 6' x 15' Non-Woven Filter Bag	150.90	
31 25 14 23-0034	EA 13' x 15' Non-Woven Filter Bag	216.87	
31 25 14 23-0035	EA 15' x 15' Non-Woven Filter Bag	251.09	

31 25 14 23-0036	Monofilament Filter Bags <small>(31 25 14 23-0031)</small>		
31 25 14 23-0037	EA 5' x 15' Monofilament Filter Bag.....	156.38	
31 25 14 23-0038	EA 10' x 15' Monofilament Filter Bag.....	214.74	

31 25 14 23-0039	Cable Articulating Concrete Block <small>(31 25 14 23)</small>		
	Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revement cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0040	SF 4.75" Open Cell Articulated Concrete Block With Earth Backfill	39.81	
	<i>For Up To 500, Add</i>	9.26	
	<i>For >500 To 1,000, Add</i>	5.28	
31 25 14 23-0041	SF 6" Open Cell Articulated Concrete Block With Earth Backfill	44.94	
	<i>For Up To 500, Add</i>	10.40	
	<i>For >500 To 1,000, Add</i>	5.91	
31 25 14 23-0042	SF 7.5" Open Cell Articulated Concrete Block With Earth Backfill	50.88	
	<i>For Up To 500, Add</i>	11.73	
	<i>For >500 To 1,000, Add</i>	6.64	
31 25 14 23-0043	SF 9" Open Cell Articulated Concrete Block With Earth Backfill	57.14	
	<i>For Up To 500, Add</i>	13.15	
	<i>For >500 To 1,000, Add</i>	7.44	
31 25 14 23-0044	SF 4.75" Closed Cell Articulated Concrete Block	41.91	
	<i>For Up To 500, Add</i>	9.68	
	<i>For >500 To 1,000, Add</i>	5.49	
31 25 14 23-0045	SF 6" Closed Cell Articulated Concrete Block	47.44	
	<i>For Up To 500, Add</i>	10.90	
	<i>For >500 To 1,000, Add</i>	6.16	
31 25 14 23-0046	SF 7.5" Closed Cell Articulated Concrete Block	53.85	
	<i>For Up To 500, Add</i>	12.32	
	<i>For >500 To 1,000, Add</i>	6.94	
31 25 14 23-0047	SF 9" Closed Cell Articulated Concrete Block	60.54	
	<i>For Up To 500, Add</i>	13.83	
	<i>For >500 To 1,000, Add</i>	7.78	

31 25 14 26 Stabilization Measures For Sedimentation Control (31 25 14)

31 25 14 26-0001	Silt Fences And Dike Barriers <small>(31 25 14 26)</small>		
	Note: Includes stakes and embedding.		

31 25 14 26-0002	Silt Fences 2' High <small>(31 25 14 26-0001)</small>		
31 25 14 26-0003	LF 2' High Silt Fence with Stakes at 4' On Center	3.35	
31 25 14 26-0004	LF 2' High Silt Fence with Stakes at 6' On Center	2.59	
31 25 14 26-0005	LF 2' High Silt Fence with Stakes at 8' On Center	1.84	
31 25 14 26-0006	LF 2' High Silt Fence with Stakes at 10' On Center	1.56	

31 25 14 26-0007	Silt Fences 3' High <small>(31 25 14 26-0001)</small>		
31 25 14 26-0008	LF 3' High Silt Fence with Stakes at 4' On Center	2.97	
	<i>For Wire Backed Fence, Add</i>	0.55	
31 25 14 26-0009	LF 3' High Silt Fence with Stakes at 6' On Center	2.66	
	<i>For Wire Backed Fence, Add</i>	0.55	
31 25 14 26-0010	LF 3' High Silt Fence with Stakes at 8' On Center	1.57	
	<i>For Wire Backed Fence, Add</i>	0.55	
31 25 14 26-0011	LF 3' High Silt Fence with Stakes at 10' On Center	1.62	
	<i>For Wire Backed Fence, Add</i>	0.55	

31 25 14 26-0012	Silt Dike Barrier <small>(31 25 14 26-0001)</small>		
31 25 14 26-0013	LF Silt Dike Barrier With Stakes.....	3.68	

31 25 14 26-0014	Silt Fences Removal <small>(31 25 14 26-0001)</small>		
31 25 14 26-0015	LF Removal Of Silt Fence And Stakes.....	1.02	

31 25 14 26-0016	Hay And Straw Bales <small>(31 25 14 26)</small>		
	Note: Includes trench for placement, and stakes.		
31 25 14 26-0017	LF Place Sterlized Straw Bales.....	4.47	
	Note: Includes securing in ground with stakes.		
31 25 14 26-0018	LF Place Hay Bales	4.31	
	Note: Includes securing in ground with stakes.		

31 25 14 26-0019	Sediment Logs (Degradable) <small>(31 25 14 26)</small>		
-------------------------	--	--	--

31 25 14 26-0020	Sediment Logs (Degradable) <small>(31 25 14 26-0019)</small>		
	Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0021	LF 12" Sediment Log	8.37	
31 25 14 26-0022	LF 20" Sediment Log	9.55	

31 Earthwork**31 20 Earth Moving****31 25 Erosion And Sedimentation Controls**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 25 14 26-0023	Inlet Protection Sediment Bags <small>(31 25 14 26)</small>	
	Note: Includes removal, cleaning, and replacement per each location.	
31 25 14 26-0024	EA 2' x 2' x 3' Inlet Protection Sediment Bag.....	56.37
31 25 14 26-0025	EA 2' x 3' x 3' Inlet Protection Sediment Bag.....	68.35
31 25 14 26-0026	EA 2' x 4' x 3' Inlet Protection Sediment Bag.....	81.89

31 30 Earthwork Methods (31)**31 31 Soil Treatment (31 30)****31 31 19 Vegetation Control (31 31)****31 31 19 13 Chemical Vegetation Control (31 31 19)****31 31 19 13-0001 Soil Sterilants (31 31 19 13)**

31 31 19 13-0002	MSF Soil Sterilant.....	23.40
	Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.	
	For >45 To 90, Deduct	-0.53
	For >90 To 225, Deduct	-2.23
	For >225, Deduct	-3.29

31 32 Soil Stabilization (31 30)**31 32 13 Soil Mixing Stabilization (31 32)****31 32 13 16 Cement Soil Stabilization (31 32 13)****31 32 13 16-0001 Cementitious Soil Binder (31 32 13 16)**

31 32 13 16-0002	CY Cementitious Soil Binder, 4% Cement Mix By Volume.....	37.10
31 32 13 16-0003	CY Cementitious Soil Binder, 6% Cement Mix By Volume.....	41.71
31 32 13 16-0004	CY Cementitious Soil Binder, 9% Cement Mix By Volume.....	49.30
31 32 13 16-0005	CY Cementitious Soil Binder, 12% Cement Mix By Volume.....	56.78

31 32 13 29 Liquid Soil Stabilization (31 32 13)

31 32 13 29-0001	GAL Polyacrylamide And Calcium Solution.....	2.26
------------------	--	------

31 32 19 Geosynthetic Soil Stabilization And Layer Separation (31 32)**31 32 19 13 Geogrid Soil Stabilization (31 32 19)****31 32 19 13-0001 Geogrid Fabrics (31 32 19 13)**

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.

31 32 19 13-0002	SY 5.3 Oz/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150).....	2.56
	For Up To 50, Add	0.64
	For >50 To 150, Add	0.47
	For >150 To 250, Add	0.30
	For >250 To 500, Add	0.15
31 32 19 13-0003	SY 6.9 Oz/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300).....	2.90
	For Up To 50, Add	0.71
	For >50 To 150, Add	0.52
	For >150 To 250, Add	0.33
	For >250 To 500, Add	0.17
31 32 19 13-0004	SY 8.7 Oz/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500).....	3.15
	For Up To 50, Add	0.77
	For >50 To 150, Add	0.56
	For >150 To 250, Add	0.36
	For >250 To 500, Add	0.18
31 32 19 13-0005	SY 12.6 Oz/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800).....	4.43
	For Up To 50, Add	1.03
	For >50 To 150, Add	0.76
	For >150 To 250, Add	0.49
	For >250 To 500, Add	0.25
31 32 19 13-0006	SY 14.1 Oz/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000).....	5.04
	For Up To 50, Add	1.16
	For >50 To 150, Add	0.86
	For >150 To 250, Add	0.55
	For >250 To 500, Add	0.28
31 32 19 13-0007	SY 4.3 Oz/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20).....	2.60
	For Up To 50, Add	0.65
	For >50 To 150, Add	0.47
	For >150 To 250, Add	0.30
	For >250 To 500, Add	0.15

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

31 32 19 13-0008	SY		5.9 Oz/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	3.72	
			<i>For Up To 50, Add</i>	0.88	
			<i>For >50 To 150, Add</i>	0.65	
			<i>For >150 To 250, Add</i>	0.42	
			<i>For >250 To 500, Add</i>	0.21	

31 32 19 16 Geotextile Soil Stabilization (31 32 19)

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)

Note: For drainage, filtration and separation.

31 32 19 16-0002	SY		3.0 Oz/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS).....	0.81	
			<i>For Up To 50, Add</i>	0.21	
			<i>For >50 To 150, Add</i>	0.15	
			<i>For >150 To 250, Add</i>	0.10	
			<i>For >250 To 500, Add</i>	0.05	
31 32 19 16-0003	SY		3.5 Oz/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS).....	0.87	
			<i>For Up To 50, Add</i>	0.22	
			<i>For >50 To 150, Add</i>	0.16	
			<i>For >150 To 250, Add</i>	0.10	
			<i>For >250 To 500, Add</i>	0.05	
31 32 19 16-0004	SY		4.0 Oz/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	0.93	
			<i>For Up To 50, Add</i>	0.23	
			<i>For >50 To 150, Add</i>	0.17	
			<i>For >150 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.05	
31 32 19 16-0005	SY		4.5 Oz/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	0.99	
			<i>For Up To 50, Add</i>	0.25	
			<i>For >50 To 150, Add</i>	0.18	
			<i>For >150 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.06	
31 32 19 16-0006	SY		6.0 Oz/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	1.16	
			<i>For Up To 50, Add</i>	0.28	
			<i>For >50 To 150, Add</i>	0.21	
			<i>For >150 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.07	
31 32 19 16-0007	SY		7.0 Oz/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	1.37	
			<i>For Up To 50, Add</i>	0.33	
			<i>For >50 To 150, Add</i>	0.25	
			<i>For >150 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.08	
31 32 19 16-0008	SY		8.0 Oz/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	1.50	
			<i>For Up To 50, Add</i>	0.36	
			<i>For >50 To 150, Add</i>	0.27	
			<i>For >150 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.09	
31 32 19 16-0009	SY		10 Oz/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	1.82	
			<i>For Up To 50, Add</i>	0.42	
			<i>For >50 To 150, Add</i>	0.31	
			<i>For >150 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.10	

31 32 19 16-0010 Woven Geotextiles Fabric (31 32 19 16)

31 32 19 16-0011	SY		200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	1.13	
			<i>For Up To 50, Add</i>	0.27	
			<i>For >50 To 150, Add</i>	0.20	
			<i>For >150 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
31 32 19 16-0012	SY		315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	1.56	
			<i>For Up To 50, Add</i>	0.36	
			<i>For >50 To 150, Add</i>	0.27	
			<i>For >150 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.09	
31 32 19 16-0013	SY		4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	2.70	
			<i>For Up To 50, Add</i>	0.60	
			<i>For >50 To 150, Add</i>	0.45	
			<i>For >150 To 250, Add</i>	0.29	
			<i>For >250 To 500, Add</i>	0.15	
31 32 19 16-0014	SY		11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	2.64	
			<i>For Up To 50, Add</i>	0.59	
			<i>For >50 To 150, Add</i>	0.44	
			<i>For >150 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.14	
31 32 19 16-0015	SY		6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF).....	2.32	
			<i>For Up To 50, Add</i>	0.52	
			<i>For >50 To 150, Add</i>	0.39	
			<i>For >150 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.13	
31 32 19 16-0016	SY		9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF).....	2.47	
			<i>For Up To 50, Add</i>	0.55	
			<i>For >50 To 150, Add</i>	0.41	
			<i>For >150 To 250, Add</i>	0.27	
			<i>For >250 To 500, Add</i>	0.13	

31 Earthwork**31 30 Earthwork Methods****31 32 Soil Stabilization**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 32 19 16-0017	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	3.12
		<i>For Up To 50, Add</i>	0.68
		<i>For >50 To 150, Add</i>	0.51
		<i>For >150 To 250, Add</i>	0.33
		<i>For >250 To 500, Add</i>	0.17
31 32 19 16-0018	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	4.41
		<i>For Up To 50, Add</i>	0.94
		<i>For >50 To 150, Add</i>	0.70
		<i>For >150 To 250, Add</i>	0.46
		<i>For >250 To 500, Add</i>	0.23

31 32 19 16-0019 Geomembranes (31 32 19 16)**31 32 19 16-0020 Polyvinyl Chloride (PVC) Geomembrane** (31 32 19 16-0019)

31 32 19 16-0021	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.96
31 32 19 16-0022	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.10
31 32 19 16-0023	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.31
31 32 19 16-0024	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.54
31 32 19 16-0025	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.75
31 32 19 16-0026	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.90
31 32 19 16-0027	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.05
31 32 19 16-0028	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.25
31 32 19 16-0029	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.45

31 32 19 16-0030 High Density Polyethylene (HDPE) Geomembrane (31 32 19 16-0019)

31 32 19 16-0031	SF	20 Mil High Density Polyethylene Membrane (US Fabrics)	1.00
31 32 19 16-0032	SF	30 Mil High Density Polyethylene Membrane (US Fabrics)	1.39
31 32 19 16-0033	SF	40 Mil High Density Polyethylene Membrane (US Fabrics)	1.63
31 32 19 16-0034	SF	50 Mil High Density Polyethylene Membrane (US Fabrics)	2.68
31 32 19 16-0035	SF	60 Mil High Density Polyethylene Membrane (US Fabrics)	2.08
31 32 19 16-0036	SF	80 Mil High Density Polyethylene Membrane (US Fabrics)	2.56
31 32 19 16-0037	SF	100 Mil High Density Polyethylene Membrane (US Fabrics)	3.05
31 32 19 16-0038	SF	120 Mil High Density Polyethylene Membrane (US Fabrics)	5.52
31 32 19 16-0039	SF	140 Mil High Density Polyethylene Membrane (US Fabrics)	5.72

31 32 19 26 Geoweb Cellular Confinement System (31 32 19)

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001 Geoweb Cellular Confinement System (31 32 19 26)

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	5.76
		<i>For >20,000, Deduct</i>	-0.08
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	6.51
		<i>For >20,000, Deduct</i>	-0.12
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	7.41
		<i>For >20,000, Deduct</i>	-0.17

31 35 Slope Protection (31 30)**31 35 19 Geosynthetic Slope Protection** (31 35)**31 35 19 19 Slope Protection with Mulch Control Netting** (31 35 19)**31 35 19 19-0001 Erosion Control Fabric** (31 35 19 19)

31 35 19 19-0002	SY	26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900)	3.54
------------------	----	---	------

31 36 Gabions (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 36 13 Gabion Boxes (31 36)**31 36 13 00-0001 Stone Filled Gabion Slope Protection** (31 36 13)

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	60.47
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	69.95
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	81.00
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	97.01
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	114.39
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	155.48
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	195.44

31 37 Riprap (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 37 00 00-0001 Random - Filter Stone (31 37)

31 37 00 00-0002	TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	23.24
31 37 00 00-0003	TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	25.66

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

31 37 00 00-0004	TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	26.81	
31 37 00 00-0005	TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	28.11	
31 37 00 00-0006	TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	29.15	
31 37 00 00-0007	TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	30.89	
31 37 00 00-0008	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	50.66	

31 40 Shoring And Underpinning ⁽³¹⁾

31 41 Shoring ^(31 40)

31 41 13 Timber Shoring ^(31 41)

31 41 13 00-0001 Wood Sheet Piling ^(31 41 13)

31 41 13 00-0002 Pull And Salvage ^(31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003	SF	Wood Shoring, 8' Deep Excavation, Pull And Salvage	14.70	
		For Wood Sheeting Left In Place	-1.83	
31 41 13 00-0004	SF	Wood Shoring, 10' Deep Excavation, Pull And Salvage	15.94	
		For Wood Sheeting Left In Place	-2.09	
31 41 13 00-0005	SF	Wood Shoring, 12' Deep Excavation, Pull And Salvage	17.28	
		For Wood Sheeting Left In Place	-2.36	
31 41 13 00-0006	SF	Wood Shoring, 14' Deep Excavation, Pull And Salvage	18.74	
		For Wood Sheeting Left In Place	-2.67	
31 41 13 00-0007	SF	Wood Shoring, 16' Deep Excavation, Pull And Salvage	20.34	
		For Wood Sheeting Left In Place	-3.00	
31 41 13 00-0008	SF	Wood Shoring, 18' Deep Excavation, Pull And Salvage	22.06	
		For Wood Sheeting Left In Place	-3.38	
31 41 13 00-0009	SF	Wood Shoring, 20' Deep Excavation, Pull And Salvage	23.94	
		For Wood Sheeting Left In Place	-3.79	

31 41 16 Sheet Piling ^(31 41)

31 41 16 13 Steel Sheet Piling ^(31 41 16)

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage ^(31 41 16 13)

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002	TON	Shoring For 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	2,040.05	
		For Standard Sheeting Left In Place, Add	744.88	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,132.30	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.85	
		For High Strength Sheeting 55,000 PSI Grade, Add	107.62	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	333.61	
		For Each Additional Month >3 Months, Add	53.81	
31 41 16 13-0003	TON	Shoring For 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	2,120.97	
		For Standard Sheeting Left In Place, Add	704.42	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,091.84	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.85	
		For High Strength Sheeting 55,000 PSI Grade, Add	107.62	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	333.61	
		For Each Additional Month >3 Months, Add	53.81	
31 41 16 13-0004	TON	Shoring For 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,497.18	
		For Standard Sheeting Left In Place, Add	516.31	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	903.73	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.85	
		For High Strength Sheeting 55,000 PSI Grade, Add	107.62	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	333.61	
		For Each Additional Month >3 Months, Add	53.81	
31 41 16 13-0005	TON	Shoring For 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,859.19	
		For Standard Sheeting Left In Place, Add	335.31	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	722.73	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.85	
		For High Strength Sheeting 55,000 PSI Grade, Add	107.62	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	333.61	
		For Each Additional Month >3 Months, Add	53.81	
31 41 16 13-0006	TON	Shoring For 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,072.13	
		For Standard Sheeting Left In Place, Add	228.84	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	616.26	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.85	
		For High Strength Sheeting 55,000 PSI Grade, Add	107.62	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	333.61	
		For Each Additional Month >3 Months, Add	53.81	
31 41 16 13-0007	TON	Shoring For 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,289.33	
		For Standard Sheeting Left In Place, Add	120.24	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	507.66	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.85	
		For High Strength Sheeting 55,000 PSI Grade, Add	107.62	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	333.61	
		For Each Additional Month >3 Months, Add	53.81	

31 45 Vibroflotation And Densification ^(31 45)

31 45 13 Vibroflotation ^(31 45)

31 Earthwork**31 40 Shoring And Underpinning****31 45 Vibroflotation And Densification**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 45 13 00-0001 LCY Soil Stabilization, Vibroflotation..... 13.60

31 60 Special Foundations And Load-bearing Elements ⁽³¹⁾**31 63 Bored Piles ^(31 60)****31 63 43 Screw In Metal Post ^(31 63)**

Note: Includes all connections, top plates and hardware. Screw-in Metal Post System as manufactured by Techno Metal Post.

31 63 43 00-0001	EA	Mobilization Up To 100 Miles From Certified Installer Location	324.15	
		Note: Includes delivery, setup/assembly, dismantling/removal and return of equipment.		
		<i>For Each Additional 50 Miles, Add</i>	<i>134.53</i>	
31 63 43 00-0002	EA	8" to 12" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'	356.35	119.56
		<i>For Each Additional Foot Of Post, Add</i>	<i>28.19</i>	
31 63 43 00-0003	EA	8" to 12" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'	556.80	186.81
		<i>For Each Additional Foot Of Post, Add</i>	<i>48.46</i>	
31 63 43 00-0004	EA	8" to 12" Helix With P4 (4" Diameter) Galvanized Post Up To 7'	649.59	217.94
		<i>For Each Additional Foot Of Post, Add</i>	<i>442.11</i>	
31 63 43 00-0005	EA	18" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'	405.44	125.78
		<i>For Each Additional Foot Of Post, Add</i>	<i>28.19</i>	
31 63 43 00-0006	EA	18" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'	605.90	193.03
		<i>For Each Additional Foot Of Post, Add</i>	<i>48.46</i>	
31 63 43 00-0007	EA	18" Helix With P4 (4" Diameter) Galvanized Post Up To 7'	698.69	224.16
		<i>For Each Additional Foot Of Post, Add</i>	<i>442.11</i>	
31 63 43 00-0008	EA	24" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'	430.10	132.00
		<i>For Each Additional Foot Of Post, Add</i>	<i>28.19</i>	
31 63 43 00-0009	EA	24" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'	618.11	193.03
		<i>For Each Additional Foot Of Post, Add</i>	<i>48.46</i>	
31 63 43 00-0010	EA	24" Helix With P4 (4" Diameter) Galvanized Post Up To 7'	710.90	224.16
		<i>For Each Additional Foot Of Post, Add</i>	<i>442.11</i>	
31 63 43 00-0011	EA	8" To 12" Helix Added To Any Size Galvanized Post.....	106.23	
31 63 43 00-0012	EA	18" Helix Added To Any Size Galvanized Post	129.44	
31 63 43 00-0013	EA	24" Helix Added To Any Size Galvanized Post	135.54	

END OF SECTION 31

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

32 Exterior Improvements

32 01 Operation And Maintenance Of Exterior Improvements ⁽³²⁾

32 01 11 Paving Cleaning ^(32 01)

32 01 11 53 Paint Removal From Paving ^(32 01 11)

32 01 11 53-001 Remove Pavement Markings ^(32 01 11 53)

Note: Includes vacuuming of removed striped area and containment of debris. Excludes disposal.

32 01 11 53-0002 LF Removal Of 4" Wide Painted Or Epoxy Pavement Striping	2.18	
<i>For Up To 250, Add</i>	1.09	
<i>For >250 To 1,000, Add</i>	0.55	
<i>For >5,000 To 10,000, Deduct</i>	-0.33	
<i>For >10,000 To 25,000, Deduct</i>	-0.55	
<i>For >25,000 To 50,000, Deduct</i>	-0.76	
<i>For >50,000, Deduct</i>	-0.87	
32 01 11 53-0003 LF Removal Of 6" Wide Painted Or Epoxy Pavement Striping	2.63	
<i>For Up To 250, Add</i>	1.32	
<i>For >250 To 1,000, Add</i>	0.66	
<i>For >5,000 To 10,000, Deduct</i>	-0.39	
<i>For >10,000 To 25,000, Deduct</i>	-0.66	
<i>For >25,000 To 50,000, Deduct</i>	-0.92	
<i>For >50,000, Deduct</i>	-1.05	
32 01 11 53-0004 LF Removal Of 8" Wide Painted Or Epoxy Pavement Striping	3.15	
<i>For Up To 250, Add</i>	1.58	
<i>For >250 To 1,000, Add</i>	0.79	
<i>For >5,000 To 10,000, Deduct</i>	-0.47	
<i>For >10,000 To 25,000, Deduct</i>	-0.79	
<i>For >25,000 To 50,000, Deduct</i>	-1.10	
<i>For >50,000, Deduct</i>	-1.26	
32 01 11 53-0005 LF Removal Of 12" Wide Painted Or Epoxy Pavement Striping	3.77	
<i>For Up To 250, Add</i>	1.89	
<i>For >250 To 1,000, Add</i>	0.94	
<i>For >5,000 To 10,000, Deduct</i>	-0.57	
<i>For >10,000 To 25,000, Deduct</i>	-0.94	
<i>For >25,000 To 50,000, Deduct</i>	-1.32	
<i>For >50,000, Deduct</i>	-1.51	
32 01 11 53-0006 SF Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	3.77	
<i>For Up To 250, Add</i>	1.89	
<i>For >250 To 1,000, Add</i>	0.94	
<i>For >5,000 To 10,000, Deduct</i>	-0.57	
<i>For >10,000 To 25,000, Deduct</i>	-0.94	
<i>For >25,000 To 50,000, Deduct</i>	-1.32	
<i>For >50,000, Deduct</i>	-1.51	
32 01 11 53-0007 LF Removal Of 4" Wide Thermoplastic Pavement Striping	2.82	
<i>For Up To 250, Add</i>	1.41	
<i>For >250 To 1,000, Add</i>	0.71	
<i>For >5,000 To 10,000, Deduct</i>	-0.42	
<i>For >10,000 To 25,000, Deduct</i>	-0.71	
<i>For >25,000 To 50,000, Deduct</i>	-0.99	
<i>For >50,000, Deduct</i>	-1.13	
32 01 11 53-0008 LF Removal Of 6" Wide Thermoplastic Pavement Striping	3.33	
<i>For Up To 250, Add</i>	1.67	
<i>For >250 To 1,000, Add</i>	0.83	
<i>For >5,000 To 10,000, Deduct</i>	-0.50	
<i>For >10,000 To 25,000, Deduct</i>	-0.83	
<i>For >25,000 To 50,000, Deduct</i>	-1.17	
<i>For >50,000, Deduct</i>	-1.33	
32 01 11 53-0009 LF Removal Of 8" Wide Thermoplastic Pavement Striping	4.02	
<i>For Up To 250, Add</i>	2.01	
<i>For >250 To 1,000, Add</i>	1.01	
<i>For >5,000 To 10,000, Deduct</i>	-0.60	
<i>For >10,000 To 25,000, Deduct</i>	-1.01	
<i>For >25,000 To 50,000, Deduct</i>	-1.41	
<i>For >50,000, Deduct</i>	-1.61	
32 01 11 53-0010 LF Removal Of 12" Wide Thermoplastic Pavement Striping	4.80	
<i>For Up To 250, Add</i>	2.40	
<i>For >250 To 1,000, Add</i>	1.20	
<i>For >5,000 To 10,000, Deduct</i>	-0.72	
<i>For >10,000 To 25,000, Deduct</i>	-1.20	
<i>For >25,000 To 50,000, Deduct</i>	-1.68	
<i>For >50,000, Deduct</i>	-1.92	
32 01 11 53-0011 SF Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	4.80	
<i>For Up To 250, Add</i>	2.40	
<i>For >250 To 1,000, Add</i>	1.20	
<i>For >5,000 To 10,000, Deduct</i>	-0.72	
<i>For >10,000 To 25,000, Deduct</i>	-1.20	
<i>For >25,000 To 50,000, Deduct</i>	-1.68	
<i>For >50,000, Deduct</i>	-1.92	

32 01 13 Flexible Paving Surface Treatment ^(32 01)

32 01 13 62 Asphalt Surface Treatment ^(32 01 13)

32 01 13 62-001 Asphalt Seal Coating Minimum ^(32 01 13 62)

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 13 Flexible Paving Surface Treatment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 01 13 62-0002 EA Asphalt Seal Coating Minimum.....487.70
 Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively.
 This task should not be used in conjunction with any other tasks in this section.

32 01 13 62-0003 Slurry Seal (32 01 13 62)

Note: A slurry seal is a cold mixture of asphalt and well-graded fine aggregate. Note: Includes sweeping and cleaning of area.

32 01 13 62-0004 TON Up To 45 Ton Type II Slurry Seal.....415.70
 Note: 1/4" thick, 14 to 18 Lbs/SY.

For >45 To 91, Deduct

-62.36

For >91 To 272, Deduct

-103.93

32 01 13 62-0005 TON Up To 45 Ton Type III Slurry Seal.....319.67
 Note: 3/8" thick, 25 to 30 Lbs/SY.

For >45 To 91, Deduct

-47.95

For >91 To 272, Deduct

-79.92

32 01 13 62-0006 Micro Surfacing (32 01 13 62)

Note: Micro surfacing is a thin, strong layer of cold mixture asphalt emulsion and additives blended with finely crushed stone for friction characteristics. Note: Includes sweeping and cleaning of area.

32 01 13 62-0007 TON Up To 45 Ton Type II Micro Surfacing.....490.84

For >45 To 91, Deduct

-73.63

For >91 To 272, Deduct

-122.71

32 01 13 62-0008 TON Up To 45 Ton Type III Micro Surfacing.....492.28
 For >45 To 91, Deduct

-73.84

For >91 To 272, Deduct

-123.07

32 01 13 62-0009 TON Up To 45 Ton Rut-Filling Type III Micro Surfacing.....498.70
 For >45 To 91, Deduct

-74.81

For >91 To 272, Deduct

-124.68

32 01 13 62-0010 TON Up To 45 Ton 6.3 mm Super Thin HMA.....397.15
 For >45 To 91, Deduct

-59.57

For >91 To 272, Deduct

-99.29

32 01 13 62-0011 Sand Sealer (32 01 13 62)

Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.

32 01 13 62-0012 SY Up To 200 SY Sand Seal.....6.29

32 01 13 62-0013 SY >200 To 500 SY Sand Seal.....5.51

32 01 13 62-0014 SY >500 To 1,100 SY Sand Seal.....4.79

32 01 13 62-0015 SY >1,100 To 4,400 SY Sand Seal.....4.08

32 01 13 62-0016 SY >4,400 To 7,800 SY Sand Seal.....3.70

32 01 13 62-0017 SY >7,800 To 16,700 SY Sand Seal.....3.37

32 01 13 62-0018 SY >16,700 SY Sand Seal.....2.63

32 01 16 Flexible Paving Rehabilitation (32 01)**32 01 16 71 Cold Milling Asphalt Pavement** (32 01 16)**32 01 16 71-0001 Removal Of Asphalt Surface Course** (32 01 16 71)

Note: Includes direct loading into truck.

32 01 16 71-0002 Limited Production Cold Milling (32 01 16 71-0001)

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0034 for hauling.

32 01 16 71-0003 SY Up To 3" Depth, Limited Cold Milling Of Asphalt.....27.02
 For >100 To 1,000, Deduct

-13.51

For >1,000, Deduct

-20.27

32 01 16 71-0004 SY >3" To 6" Depth, Limited Cold Milling Of Asphalt.....35.78
 For >100 To 1,000, Deduct

-17.89

For >1,000, Deduct

-26.84

32 01 16 71-0005 SY >6" To 12" Depth, Limited Cold Milling Of Asphalt.....47.66
 For >100 To 1,000, Deduct

-23.83

For >1,000, Deduct

-35.75

32 01 16 71-0006 SY Limited Cold Milling Of Concrete Per Inch.....40.61

32 01 16 71-0007 Grind, Leave In-Place Asphalt Grindings (32 01 16 71)

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0008 SY Grind, Leave In-Place As Subbase Course, 6-9" Depth.....7.66

32 01 16 74 In Place Hot Reused Asphalt Paving (32 01 16)**32 01 16 74-0001 Rejuvenate, Respread Asphalt Pavement** (32 01 16 74)

Note: Includes direct loading into truck.

32 01 16 74-0002 SY Remove, Rejuvenate, Respread Asphalt Grindings, Up To 4" Deep.....8.52

32 01 16 74-0003 SY Remove, Rejuvenate, Respread Asphalt Grindings, >4" To 6" Deep.....10.48

32 01 16 74-0004 SY Up To 49,993 SY, 3" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement.....4.49

32 01 16 74-0005 SY >49,993 SY, 3" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement.....4.33

32 01 16 74-0006 SY Up To 49,993 SY, 4" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement.....4.66

32 01 16 74-0007 SY >49,993 SY, 4" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement.....4.49

32 01 16 74-0008 SY Up To 49,993 SY, 3" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement.....3.93

32 01 16 74-0009 SY >49,993 SY, 3" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement.....3.79

32 01 16 74-0010 SY Up To 49,993 SY, 4" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement.....4.07

32 01 16 74-0011 SY >49,993 SY, 4" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement.....3.93

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

32 01 16 74-0012	Reclamation, Pulverize And Blending With Existing <small>(32 01 16 74)</small>		
	Note: Includes direct loading into truck.		
32 01 16 74-0013	SY Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	14.55	
32 01 16 74-0014	SY Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	7.28	
32 01 16 74-0015	SY Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.64	
32 01 16 74-0016	SY Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.45	
32 01 16 74-0017	SY >2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.97	
32 01 16 74-0018	SY >2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	15.88	
32 01 16 74-0019	SY >2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	7.94	
32 01 16 74-0020	SY >2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.74	
32 01 16 74-0021	SY >3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	17.47	
32 01 16 74-0022	SY >3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	8.73	
32 01 16 74-0023	SY >3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.37	
32 01 16 74-0024	SY >3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.03	
32 01 16 74-0025	SY >4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	19.05	
32 01 16 74-0026	SY >4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	9.53	
32 01 16 74-0027	SY >4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.77	
32 01 16 74-0028	SY >4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.44	
32 01 16 74-0029	EA Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	1,637.59	

32 01 17 Flexible Paving Repair (32 01)
 See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks In Asphalt Paving (32 01 17)

32 01 17 61-0001	Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair <small>(32 01 17 61)</small>		
	Note: Includes removing loose materials and cleaning.		
32 01 17 61-0002	LF Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.53	
	Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
	For 3/4" x 1/2" Fill, Add	0.37	
	For 1" x 1/2" Fill, Add	0.69	
	For Backer Rod, Add	0.82	
32 01 17 61-0003	LF >200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.23	
	Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
	For 3/4" x 1/2" Fill, Add	0.31	
	For 1" x 1/2" Fill, Add	0.57	
	For Backer Rod, Add	0.76	
32 01 17 61-0004	LF >500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.98	
	Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
	For 3/4" x 1/2" Fill, Add	0.25	
	For 1" x 1/2" Fill, Add	0.46	
	For Backer Rod, Add	0.70	
32 01 17 61-0005	LF >2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.85	
	Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
	For 3/4" x 1/2" Fill, Add	0.22	
	For 1" x 1/2" Fill, Add	0.41	
	For Backer Rod, Add	0.67	
32 01 17 61-0006	LF >5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.75	
	Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
	For 3/4" x 1/2" Fill, Add	0.19	
	For 1" x 1/2" Fill, Add	0.36	
	For Backer Rod, Add	0.64	
32 01 17 61-0007	LF >10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.68	
	Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
	For 3/4" x 1/2" Fill, Add	0.17	
	For 1" x 1/2" Fill, Add	0.32	
	For Backer Rod, Add	0.61	
32 01 17 61-0008	LF Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	3.18	
32 01 17 61-0009	LF >200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.55	
32 01 17 61-0010	LF >500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.95	
32 01 17 61-0011	LF >2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.71	
32 01 17 61-0012	LF >5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.56	
32 01 17 61-0013	LF >10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.44	
32 01 17 61-0014	LF For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.60	

32 01 17 63 Pavement Repair (32 01 17)

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 17 Flexible Paving Repair**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 01 17 63-0001	Temporary Pot Hole Repair <small>(32 01 17 63)</small>		
	Note: Includes removal of loose material and moisture and compaction. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.		
32 01 17 63-0002	EA Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,640.34	
32 01 17 63-0003	TON Temporary Pot Hole Repairs With Cold Mix Modified	488.52	
	Note: Use for each ton over 3 tons.		
32 01 17 63-0004	EA Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,594.18	
32 01 17 63-0005	TON Temporary Pot Hole Repairs With Cold Mix	473.12	
	Note: Use for each ton over 3 tons.		
32 01 17 63-0006	EA Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,637.38	
32 01 17 63-0007	TON Temporary Pot Hole Repairs With Hot Mix Modified.....	487.52	
	Note: Use for each ton over 3 tons.		
32 01 17 63-0008	EA Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	1,607.66	
32 01 17 63-0009	TON Temporary Pot Hole Repairs With Hot Mix	477.62	
	Note: Use for each ton over 3 tons.		
32 01 17 63-0010	Permanent Pot Hole Repair <small>(32 01 17 63)</small>		
	Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.		
32 01 17 63-0011	EA Permanent Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,790.11	
32 01 17 63-0012	TON Permanent Pot Hole Repairs With Cold Mix Modified.....	580.69	
	Note: Use for each ton over 3 tons.		
32 01 17 63-0013	EA Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,743.95	
32 01 17 63-0014	TON Permanent Pot Hole Repairs With Cold Mix	565.29	
	Note: Use for each ton over 3 tons.		
32 01 17 63-0015	EA Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,787.15	
32 01 17 63-0016	TON Permanent Pot Hole Repairs With Hot Mix Modified.....	579.69	
	Note: Use for each ton over 3 tons.		
32 01 17 63-0017	EA Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,757.43	
32 01 17 63-0018	TON Permanent Pot Hole Repairs With Hot Mix	569.79	
	Note: Use for each ton over 3 tons.		
32 01 17 63-0019	Asphalt Placement For Small Repairs <small>(32 01 17 63)</small>		
	Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth.		
32 01 17 63-0020	EA Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons.....	2,416.41	
	Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0021	TON Asphalt Placement For Small Repair Areas, Cold Mix Modified.....	288.83	
	Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0022	EA Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons	2,367.93	
	Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0023	TON Asphalt Placement For Small Repair Areas, Cold Mix	272.67	
	Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0024	EA Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons.....	2,413.29	
	Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0025	TON Asphalt Placement For Small Repair Areas, Hot Mix Modified	287.79	
	Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0026	EA Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons	2,382.09	
	Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0027	TON Asphalt Placement For Small Repair Areas, Hot Mix.....	277.39	
	Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0028	Grind Asphalt <small>(32 01 17 63)</small>		
32 01 17 63-0029	SY Grinding Asphalt To Level Bump Or Raised Area.....	25.32	
32 01 26 Rigid Paving Rehabilitation <small>(32 01)</small>			
32 01 26 71 Grooving Of Concrete Paving <small>(32 01 26)</small>			
32 01 26 71-0001 Roadway Grooving <small>(32 01 26 71)</small>			
32 01 26 71-0002	SY Pavement Grooving, Concrete, Longitudinal	1.23	
32 01 26 71-0003	SY Pavement Grooving, Concrete, Transverse.....	0.92	
32 01 26 71-0004 Rumble Strips <small>(32 01 26 71)</small>			
32 01 26 71-0005	LF Safe-Strips Shoulder Rumble Strips, Asphalt	0.41	
32 01 26 71-0006	LF Safe-Strips Shoulder Rumble Strips, Concrete.....	1.00	
32 01 26 71-0007 Boat Ramps Grooving <small>(32 01 26 71)</small>			
32 01 26 71-0008	SY Concrete Grooving, Boat Ramps	1.97	

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

32 01 90 Operation And Maintenance Of Planting (32 01)

32 01 90 13 Fertilizing (32 01 90)

32 01 90 13-0001	MSF Fertilizer - 2 LB Of Nitrogen/MSF (Granular)	14.90	
32 01 90 13-0002	MSF Fertilizer - 2 LB Of Nitrogen/MSF (Liquid).....	12.23	
32 01 90 13-0003	MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular)	13.07	
32 01 90 13-0004	MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid).....	11.14	

32 01 90 19 Mowing (32 01 90)

32 01 90 19-0001	ACR Vegetation Cutting By Bush Hog	210.64	
	Note: Includes normal debris removal, cutting, and trimming. For <1 Acre, Add		52.66

32 01 90 23 Pruning (32 01 90)

32 01 90 23-0001 Tree Pruning (32 01 90 23)

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture) 1. CROWN CLEANING - Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown. 2. CROWN THINNING - Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch. 3. CROWN RAISING - Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown. 4. CROWN REDUCTION - Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made. 5. CROWN RESTORATION - Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years. Includes loading onto truck or dumpster.

32 01 90 23-0002	EA Tree Pruning (Crown Cleaning), 1-1/2" Caliper	36.26	
	For Crown Thinning, Tree Pruning, Add	8.16	
	For Crown Raising, Pruning, Add	12.69	
	For Crown Reduction, Tree Pruning, Add	16.32	
	For Crown Restoration, Pruning, Add	24.17	
32 01 90 23-0003	EA Tree Pruning (Crown Cleaning), 2" Caliper.....	41.44	
	For Crown Thinning, Tree Pruning, Add	9.32	
	For Crown Raising, Pruning, Add	14.50	
	For Crown Reduction, Tree Pruning, Add	18.65	
	For Crown Restoration, Pruning, Add	27.63	
32 01 90 23-0004	EA Tree Pruning (Crown Cleaning), 2-1/2" Caliper	46.62	
	For Crown Thinning, Tree Pruning, Add	10.49	
	For Crown Raising, Pruning, Add	16.32	
	For Crown Reduction, Tree Pruning, Add	20.98	
	For Crown Restoration, Pruning, Add	31.08	
32 01 90 23-0005	EA Tree Pruning (Crown Cleaning), 3" Caliper.....	51.80	
	For Crown Thinning, Tree Pruning, Add	11.66	
	For Crown Raising, Pruning, Add	18.13	
	For Crown Reduction, Tree Pruning, Add	23.31	
	For Crown Restoration, Pruning, Add	34.54	
32 01 90 23-0006	EA Tree Pruning (Crown Cleaning), 4" Caliper, By Hand.....	78.73	
	For Crown Thinning, Tree Pruning, Add	17.71	
	For Crown Raising, Pruning, Add	27.56	
	For Crown Reduction, Tree Pruning, Add	35.43	
	For Crown Restoration, Pruning, Add	52.49	
32 01 90 23-0007	EA Tree Pruning (Crown Cleaning), 4" Caliper, Aerial Lift Equipment.....	121.20	
	For Crown Thinning, Tree Pruning, Add	27.27	
	For Crown Raising, Pruning, Add	42.42	
	For Crown Reduction, Tree Pruning, Add	54.54	
	For Crown Restoration, Pruning, Add	80.80	
32 01 90 23-0008	EA Tree Pruning (Crown Cleaning), 6" Caliper, By Hand.....	137.77	
	For Crown Thinning, Tree Pruning, Add	31.00	
	For Crown Raising, Pruning, Add	48.22	
	For Crown Reduction, Tree Pruning, Add	62.00	
	For Crown Restoration, Pruning, Add	91.85	
32 01 90 23-0009	EA Tree Pruning (Crown Cleaning), 6" Caliper, Aerial Lift Equipment.....	230.82	
	For Crown Thinning, Tree Pruning, Add	51.93	
	For Crown Raising, Pruning, Add	80.79	
	For Crown Reduction, Tree Pruning, Add	103.87	
	For Crown Restoration, Pruning, Add	153.89	
32 01 90 23-0010	EA Tree Pruning (Crown Cleaning), 9" Caliper, By Hand.....	220.62	
	For Crown Thinning, Tree Pruning, Add	49.64	
	For Crown Raising, Pruning, Add	77.22	
	For Crown Reduction, Tree Pruning, Add	99.28	
	For Crown Restoration, Pruning, Add	147.09	

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 90 Operation And Maintenance Of Planting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 01 90 23-0011	EA	Tree Pruning (Crown Cleaning), 9' Caliper, Aerial Lift Equipment.....	369.23	
		<i>For Crown Thinning, Tree Pruning, Add</i>	83.08	
		<i>For Crown Raising, Pruning, Add</i>	129.23	
		<i>For Crown Reduction, Tree Pruning, Add</i>	166.15	
		<i>For Crown Restoration, Pruning, Add</i>	246.17	
32 01 90 23-0012	EA	Tree Pruning (Crown Cleaning), 12" Caliper, By Hand.....	254.93	
		<i>For Crown Thinning, Tree Pruning, Add</i>	57.36	
		<i>For Crown Raising, Pruning, Add</i>	89.23	
		<i>For Crown Reduction, Tree Pruning, Add</i>	114.72	
		<i>For Crown Restoration, Pruning, Add</i>	169.96	
32 01 90 23-0013	EA	Tree Pruning (Crown Cleaning), 12" Caliper, Aerial Lift Equipment.....	427.00	
		<i>For Crown Thinning, Tree Pruning, Add</i>	96.08	
		<i>For Crown Raising, Pruning, Add</i>	149.45	
		<i>For Crown Reduction, Tree Pruning, Add</i>	192.15	
		<i>For Crown Restoration, Pruning, Add</i>	284.68	
32 01 90 23-0014	EA	Tree Pruning (Crown Cleaning), 18" Caliper By Hand.....	296.35	
		<i>For Crown Thinning, Tree Pruning, Add</i>	66.68	
		<i>For Crown Raising, Pruning, Add</i>	103.72	
		<i>For Crown Reduction, Tree Pruning, Add</i>	133.36	
		<i>For Crown Restoration, Pruning, Add</i>	197.58	
32 01 90 23-0015	EA	Tree Pruning (Crown Cleaning), 18" Caliper By Hand, Aerial Lift Equipment.....	496.24	
		<i>For Crown Thinning, Tree Pruning, Add</i>	111.65	
		<i>For Crown Raising, Pruning, Add</i>	173.68	
		<i>For Crown Reduction, Tree Pruning, Add</i>	223.31	
		<i>For Crown Restoration, Pruning, Add</i>	330.84	
32 01 90 23-0016	EA	Tree Pruning (Crown Cleaning), 24" Caliper, By Hand.....	360.74	
		<i>For Crown Thinning, Tree Pruning, Add</i>	81.17	
		<i>For Crown Raising, Pruning, Add</i>	126.26	
		<i>For Crown Reduction, Tree Pruning, Add</i>	162.33	
		<i>For Crown Restoration, Pruning, Add</i>	240.51	
32 01 90 23-0017	EA	Tree Pruning (Crown Cleaning), 24" Caliper, Aerial Lift Equipment.....	600.21	
		<i>For Crown Thinning, Tree Pruning, Add</i>	135.05	
		<i>For Crown Raising, Pruning, Add</i>	210.07	
		<i>For Crown Reduction, Tree Pruning, Add</i>	270.09	
		<i>For Crown Restoration, Pruning, Add</i>	400.16	
32 01 90 23-0018	EA	Tree Pruning (Crown Cleaning), 30" Caliper, By Hand.....	448.12	
		<i>For Crown Thinning, Tree Pruning, Add</i>	100.83	
		<i>For Crown Raising, Pruning, Add</i>	156.84	
		<i>For Crown Reduction, Tree Pruning, Add</i>	201.65	
		<i>For Crown Restoration, Pruning, Add</i>	298.76	
32 01 90 23-0019	EA	Tree Pruning (Crown Cleaning), 30" Caliper, Aerial Lift Equipment.....	756.44	
		<i>For Crown Thinning, Tree Pruning, Add</i>	170.20	
		<i>For Crown Raising, Pruning, Add</i>	264.75	
		<i>For Crown Reduction, Tree Pruning, Add</i>	340.40	
		<i>For Crown Restoration, Pruning, Add</i>	504.32	
32 01 90 23-0020	EA	Tree Pruning (Crown Cleaning), 36" Caliper, By Hand.....	613.77	
		<i>For Crown Thinning, Tree Pruning, Add</i>	138.10	
		<i>For Crown Raising, Pruning, Add</i>	214.82	
		<i>For Crown Reduction, Tree Pruning, Add</i>	276.20	
		<i>For Crown Restoration, Pruning, Add</i>	409.20	
32 01 90 23-0021	EA	Tree Pruning (Crown Cleaning), 36" Caliper, Aerial Lift Equipment.....	1,025.22	
		<i>For Crown Thinning, Tree Pruning, Add</i>	230.67	
		<i>For Crown Raising, Pruning, Add</i>	358.83	
		<i>For Crown Reduction, Tree Pruning, Add</i>	461.35	
		<i>For Crown Restoration, Pruning, Add</i>	683.51	
32 01 90 23-0022	EA	Tree Pruning (Crown Cleaning), 48" Caliper, By Hand.....	973.72	
		<i>For Crown Thinning, Tree Pruning, Add</i>	219.09	
		<i>For Crown Raising, Pruning, Add</i>	340.80	
		<i>For Crown Reduction, Tree Pruning, Add</i>	438.17	
		<i>For Crown Restoration, Pruning, Add</i>	649.18	
32 01 90 23-0023	EA	Tree Pruning (Crown Cleaning), 48" Caliper, Aerial Lift Equipment.....	1,648.72	
		<i>For Crown Thinning, Tree Pruning, Add</i>	370.96	
		<i>For Crown Raising, Pruning, Add</i>	577.05	
		<i>For Crown Reduction, Tree Pruning, Add</i>	741.92	
		<i>For Crown Restoration, Pruning, Add</i>	1,099.20	

32 01 90 23-0024 Shrub Pruning (32 01 90 23)

32 01 90 23-0025	MSF	Shrub Pruning, Prune, Shrub Bed.....	118.06	
32 01 90 23-0026	EA	Shrub Pruning, Prune, Shrub Under 3' Height.....	4.14	
32 01 90 23-0027	EA	Shrub Pruning, Prune, Shrub 4' Height.....	9.32	
32 01 90 23-0028	EA	Shrub Pruning, Prune, Shrub Over 6'.....	16.57	
32 01 90 23-0029	EA	Shrub Pruning, Prune Trees From Ground.....	41.44	
32 01 90 23-0030	EA	Shrub Pruning, Prune Trees From Ground, High Work.....	103.61	

32 01 90 26 Watering (32 01 90)

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001 Watering Lawns, Plants And Trees (32 01 90 26)

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water.....	38.94	
32 01 90 26-0003	CSF	Watering Groundcover.....	6.35	
32 01 90 26-0004	CSF	Watering Annuals And Perennials.....	11.73	
32 01 90 26-0005	EA	Watering Trees, 1-1/2" To 5" Diameter By Hand.....	23.66	
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand.....	31.06	
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand.....	38.46	

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

32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand.....	47.35	
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand.....	11.85	

32 01 90 36 Weed And Brush Control (32 01 90)

32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied (32 01 90 36)

32 01 90 36-0002	MSF	Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF).....	9.11	
		<i>For >45 To 90, Deduct</i>	-0.48	
		<i>For >90 To 225, Deduct</i>	-1.39	
		<i>For >225 To 870, Deduct</i>	-2.30	
		<i>For >870, Deduct</i>	-2.78	
32 01 90 36-0003	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF).....	9.47	
		<i>For >45 To 90, Deduct</i>	-0.51	
		<i>For >90 To 225, Deduct</i>	-1.46	
		<i>For >225 To 870, Deduct</i>	-2.41	
		<i>For >870, Deduct</i>	-2.92	
32 01 90 36-0004	MSF	Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF).....	9.45	
		Note: Includes pre and post emergent.		
		<i>For >45 To 90, Deduct</i>	-0.51	
		<i>For >90 To 225, Deduct</i>	-1.46	
		<i>For >225 To 870, Deduct</i>	-2.40	
		<i>For >870, Deduct</i>	-2.91	
32 01 90 36-0005	MSF	Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF).....	9.68	
		Note: Includes pre and post emergents.		
		<i>For >45 To 90, Deduct</i>	-0.54	
		<i>For >90 To 225, Deduct</i>	-1.50	
		<i>For >225 To 870, Deduct</i>	-2.47	
		<i>For >870, Deduct</i>	-3.01	

32 01 90 39 Pesticides (32 01 90)

32 01 90 39-0001	MSF	Pesticide - Surface Eating.....	12.40	
32 01 90 39-0002	MSF	Pesticide - Subsurface Eating.....	12.41	
32 01 90 39-0003	MSF	Pesticide - Fungicide Application.....	12.75	

32 01 90 43 Weed And Cultivate (32 01 90)

32 01 90 43-0001	MSF	Weed Mulched Bed.....	51.11	
32 01 90 43-0002	MSF	Weed Unmulched Bed.....	146.05	
32 01 90 43-0003	MSF	Cultivate Bed.....	78.64	

32 01 90 46 Hedge Trimming (32 01 90)

32 01 90 46-0001	LF	Trim 0-5' High Hedge, 0-3' Wide.....	6.69	
32 01 90 46-0002	LF	Trim 0-5' High Hedge, 4-6' Wide.....	10.04	
32 01 90 46-0003	LF	Trim 5-10' High Hedge, 0-3' Wide.....	15.20	
32 01 90 46-0004	LF	Trim 5-10' High Hedge, 4-6' Wide.....	15.49	

32 01 90 53 Plant Growth Regulator Application (32 01 90)

32 01 90 53-0001	EA	Plant Growth Regulator Application.....	5.85	
------------------	----	---	------	--

32 10 Bases, Ballasts, And Paving (32)

32 11 Base Courses (32 10)

32 11 16 Subbase Courses (32 11)

32 11 16 16 Aggregate Subbase Courses (32 11 16)

32 11 16 16-0001		Base And Subbase Courses For Roadways And Parking Areas <small>(32 11 16 16)</small>		
		Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.		
32 11 16 16-0002		Base And Subbase Courses By The CY <small>(32 11 16 16-0001)</small>		
32 11 16 16-0003	CY	Graded Crushed Aggregate Roadway Base Course.....	81.47	
		<i>For Limestone, Deduct</i>	-5.03	

32 11 23 Aggregate Base Courses (32 11)

32 11 23 16 Aggregate Base Courses (32 11 23)

32 11 23 16-0001		Base Courses For Sidewalk (Asphalt Or Concrete) <small>(32 11 23 16)</small>		
		Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.		
32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks.....	0.62	
		<i>For Up To 1,000, Add</i>	0.17	
		<i>For >1,000 To 2,500, Add</i>	0.06	
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks.....	0.86	
		<i>For Up To 1,000, Add</i>	0.24	
		<i>For >1,000 To 2,500, Add</i>	0.09	
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks.....	1.12	
		<i>For Up To 1,000, Add</i>	0.31	
		<i>For >1,000 To 2,500, Add</i>	0.11	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 11 Base Courses**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.46
		<i>For Up To 1,000, Add</i>	0.41
		<i>For >1,000 To 2,500, Add</i>	0.15
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	1.79
		<i>For Up To 1,000, Add</i>	0.50
		<i>For >1,000 To 2,500, Add</i>	0.18
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	2.06
		<i>For Up To 1,000, Add</i>	0.57
		<i>For >1,000 To 2,500, Add</i>	0.21
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	2.33
		<i>For Up To 1,000, Add</i>	0.65
		<i>For >1,000 To 2,500, Add</i>	0.23

32 12 Flexible Paving (32 10)**32 12 13 Preparatory Coats** (32 12)**32 12 13 13 Tack Coats** (32 12 13)

32 12 13 13-0001	SY	Tack Coat, 0.04 Gallon/SY	0.53
		<i>For Up To 150, Add</i>	0.10
		<i>For >150 To 300, Add</i>	0.05
		<i>For >300 To 500, Add</i>	0.03
		<i>For >3,500 To 5,000, Deduct</i>	-0.01
		<i>For >5,000, Deduct</i>	-0.03
32 12 13 13-0002	SY	Tack Coat, 0.05 Gallon/SY	0.57
		<i>For Up To 150, Add</i>	0.11
		<i>For >150 To 300, Add</i>	0.06
		<i>For >300 To 500, Add</i>	0.03
		<i>For >3,500 To 5,000, Deduct</i>	-0.01
		<i>For >5,000, Deduct</i>	-0.03
32 12 13 13-0003	SY	Tack Coat, 0.07 Gallon/SY	0.65
		<i>For Up To 150, Add</i>	0.13
		<i>For >150 To 300, Add</i>	0.07
		<i>For >300 To 500, Add</i>	0.03
		<i>For >3,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000, Deduct</i>	-0.04
32 12 13 13-0004	SY	Tack Coat, 0.08 Gallon/SY	0.69
		<i>For Up To 150, Add</i>	0.14
		<i>For >150 To 300, Add</i>	0.07
		<i>For >300 To 500, Add</i>	0.03
		<i>For >3,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000, Deduct</i>	-0.04
32 12 13 13-0005	SY	Tack Coat, 0.10 Gallon/SY	0.77
		<i>For Up To 150, Add</i>	0.16
		<i>For >150 To 300, Add</i>	0.08
		<i>For >300 To 500, Add</i>	0.04
		<i>For >3,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000, Deduct</i>	-0.05
32 12 13 13-0006	SY	Tack Coat, 0.11 Gallon/SY	0.82
		<i>For Up To 150, Add</i>	0.17
		<i>For >150 To 300, Add</i>	0.08
		<i>For >300 To 500, Add</i>	0.04
		<i>For >3,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000, Deduct</i>	-0.05

32 12 13 16 Asphaltic Tack Coats (32 12 13)

Note: Cost includes furnishing, heating, hauling and applying up to 4,000 liters up to 40 Kilometers from approved plant.

32 12 13 16-0001 Asphaltic Tack Coats (32 12 13 16)

Note: Cost includes furnishing, heating, hauling and applying up to 4000 liters up to 40 Kilometers from approved plant.

32 12 13 16-0002	GAL	Asphalt Emulsion Tack Coat; NYSDOT HFMS-2h.....	6.85
32 12 13 16-0003	GAL	Asphalt Emulsion Tack Coat; NYSDOT SS-1h	5.96
32 12 13 16-0004	GAL	Asphalt Emulsion Tack Coat; NYSDOT CSS-1h	4.30

32 12 13 19 Prime Coats (32 12 13)

32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY.....	1.30
		<i>For Up To 150, Add</i>	0.28
		<i>For >150 To 300, Add</i>	0.13
		<i>For >300 To 500, Add</i>	0.07
		<i>For >3,500 To 5,000, Deduct</i>	-0.03
		<i>For >5,000, Deduct</i>	-0.09
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY.....	1.36
		<i>For Up To 150, Add</i>	0.30
		<i>For >150 To 300, Add</i>	0.14
		<i>For >300 To 500, Add</i>	0.07
		<i>For >3,500 To 5,000, Deduct</i>	-0.03
		<i>For >5,000, Deduct</i>	-0.09
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY.....	1.43
		<i>For Up To 150, Add</i>	0.31
		<i>For >150 To 300, Add</i>	0.14
		<i>For >300 To 500, Add</i>	0.07
		<i>For >3,500 To 5,000, Deduct</i>	-0.04
		<i>For >5,000, Deduct</i>	-0.10

32 12 16 Asphalt Paving (32 12)

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

32 12 16 13 Plant-Mix Asphalt Paving (32 12 16)

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0034 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

32 12 16 13-0001 Bituminous Concrete Paving (32 12 16 13)

32 12 16 13-0002	TON Bituminous Stabilized Course.....	116.53	
32 12 16 13-0003	TON Type 1 Base.....	124.75	
32 12 16 13-0004	TON Type 1 Base Recycled.....	124.75	
32 12 16 13-0005	TON Type 2 Base.....	120.64	
32 12 16 13-0006	TON Type 3 Binder.....	131.44	
32 12 16 13-0007	TON Type 3 Binder Recycled.....	131.44	
32 12 16 13-0008	TON Type 5 Shim.....	154.05	
32 12 16 13-0009	TON Type 6 Top.....	139.04	
32 12 16 13-0010	TON Type 6 Top Recycled.....	139.04	
32 12 16 13-0011	TON Type 6F Top (High Friction) Marshall Design.....	139.04	
32 12 16 13-0012	TON Type 6F2 High Volume.....	139.04	
32 12 16 13-0013	TON Type 6F3 High Volume.....	139.04	
32 12 16 13-0014	TON Type 7 Top.....	143.46	
32 12 16 13-0015	TON Type 7F Top (High Friction) Marshall Design.....	143.46	
32 12 16 13-0016	TON Type 7F2 High Volume.....	143.46	
32 12 16 13-0017	TON Type 7F3 High Volume.....	143.46	
32 12 16 13-0018	TON Superpave Downstate High Volume 9.5mm F1.....	154.15	
	Note: Includes nuclear density monitoring.		
32 12 16 13-0019	TON Superpave Upstate High Volume 9.5mm F2.....	154.15	
	Note: Includes nuclear density monitoring.		
32 12 16 13-0020	TON Superpave Low Volume 9.5mm F3.....	154.15	
	Note: Includes nuclear density monitoring.		
32 12 16 13-0021	TON Superpave Downstate High Volume 12.5mm F1.....	149.17	
	Note: Includes nuclear density monitoring.		
32 12 16 13-0022	TON Superpave Upstate High Volume 12.5mm F2, 402-098301M.....	149.17	
	Note: Includes nuclear density monitoring.		
32 12 16 13-0023	TON Superpave Upstate Low Volume 12.5mm F3, 402-098301M.....	149.17	
	Note: Includes nuclear density monitoring.		
32 12 16 13-0024	TON Superpave HMA 19.0mm F9, 402.198901M.....	141.55	
	Note: Includes nuclear density monitoring.		

32 12 16 13-0025 Hand Placed, Hot Mix Asphalt (HMA) (32 12 16 13)

32 12 16 13-0026	TON Hand Placed Hot Mixed Asphalt 3,954 LB/CY.....	336.21	
	Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		

32 12 16 19 Cold-Mix Asphalt Paving (32 12 16)

32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement (32 12 16 19)

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0002	SY Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course.....	11.01	
32 12 16 19-0003	SY Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course.....	10.65	
32 12 16 19-0004	SY Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course.....	16.35	

32 12 16 39 Fabrics (32 12 16)

See CSI section 31 32 19 16-0000 for geotextile fabric.

32 12 16 39-0001	SY 3.6 Oz/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O).....	0.93	
	For Up To 50, Add	0.23	
	For >50 To 150, Add	0.17	
	For >150 To 250, Add	0.11	
	For >250 To 500, Add	0.05	
32 12 16 39-0002	SY 4.1 Oz/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O).....	0.99	
	For Up To 50, Add	0.25	
	For >50 To 150, Add	0.18	
	For >150 To 250, Add	0.12	
	For >250 To 500, Add	0.06	

32 12 36 Seal Coats (32 12)

See CSI section 32 01 13 62-0000 for slurry seal.

32 12 36 00-0001 Fog Sealer (32 12 36)

32 12 36 00-0002	SY Up To 200 SY Fog Seal.....	2.74	
32 12 36 00-0003	SY >200 To 500 SY Fog Seal.....	1.97	
32 12 36 00-0004	SY >500 To 1,100 SY Fog Seal.....	1.71	
32 12 36 00-0005	SY >1,100 To 4,400 SY Fog Seal.....	1.20	
32 12 36 00-0006	SY >4,400 To 7,800 SY Fog Seal.....	1.06	
32 12 36 00-0007	SY >7,800 To 16,700 SY Fog Seal.....	0.94	
32 12 36 00-0008	SY >16,700 SY Fog Seal.....	0.84	

32 12 36 00-0009 Chip Seal (32 12 36)

Note: A chip seal is an application of asphalt binder followed by placement of a layer of aggregate chips, and then rolled to embed the aggregate into the binder. Note: Includes sweeping and cleaning of area.

32 12 36 00-0010	SY Up To 200 SY Chip Seal.....	6.50	
32 12 36 00-0011	SY >200 To 500 SY Chip Seal.....	5.96	
32 12 36 00-0012	SY >500 To 1,100 SY Chip Seal.....	5.55	
32 12 36 00-0013	SY >1,100 To 4,400 SY Chip Seal.....	4.89	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 12 Flexible Paving**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 12 36 00-0014	SY	>4,400 To 7,800 SY Chip Seal	4.51
32 12 36 00-0015	SY	>7,800 To 16,700 SY Chip Seal	4.21
32 12 36 00-0016	SY	>16,700 SY Chip Seal.....	3.61

32 12 43 Porous Flexible Paving (32 12)**32 12 43 00-0001 Flexible Recycled Plastic Porous Grid (32 12 43)**

Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.

32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	27.85
		Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.	
		For Up To 100, Add	10.39
		For >100 To 500, Add	2.76
		For >1,000 To 5,000, Deduct	-1.37
		For >5,000, Deduct	-2.48

32 12 73 Asphalt Paving Joint Sealants (32 12)**32 12 73 00-0001 Expansion Joint In Sidewalk (32 12 73)**

32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	4.22
------------------	----	---	------

32 13 Rigid Paving (32 10)**32 13 13 Concrete Paving (32 13)**

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving (32 13 13)**32 13 13 33-0001 Concrete Paving Assemblies (32 13 13 33)**

Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 00 00-0001 for color additive.

32 13 13 33-0002 4,500 PSI Concrete Paving Assembly (32 13 13 33-0001)

32 13 13 33-0003	SY	4" 4,500 PSI Concrete Paving Assembly	57.25
		For 2,500 PSI Concrete, Deduct	-2.86
		For 3,000 PSI Concrete, Deduct	-1.86
		For 3,500 PSI Concrete, Deduct	-1.49
		For 4,000 PSI Concrete, Deduct	-0.65
		For 5,000 PSI Concrete, Add	0.40
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.23
		For <12' Wide Pass, Add	10.58
		For 24' Or Greater Wide Pass, Deduct	-11.45
		For Slipforming, Deduct	-5.73
		For Up To 100, Add	24.41
		For >100 To 250, Add	13.45
		For >250 To 500, Add	6.72
		For >1,000 To 2,000, Deduct	-1.24
		For >2,000 To 5,000, Deduct	-2.67
		For >5,000 To 10,000, Deduct	-4.11
		For >10,000 To 20,000, Deduct	-5.54
		For >20,000, Deduct	-6.97
32 13 13 33-0004	SY	5" 4,500 PSI Concrete Paving Assembly	67.20
		For 2,500 PSI Concrete, Deduct	-3.59
		For 3,000 PSI Concrete, Deduct	-2.34
		For 3,500 PSI Concrete, Deduct	-1.87
		For 4,000 PSI Concrete, Deduct	-0.81
		For 5,000 PSI Concrete, Add	0.50
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.06
		For <12' Wide Pass, Add	12.12
		For 24' Or Greater Wide Pass, Deduct	-13.44
		For Slipforming, Deduct	-6.72
		For Up To 100, Add	27.84
		For >100 To 250, Add	15.48
		For >250 To 500, Add	7.74
		For >1,000 To 2,000, Deduct	-1.56
		For >2,000 To 5,000, Deduct	-3.24
		For >5,000 To 10,000, Deduct	-4.92
		For >10,000 To 20,000, Deduct	-6.60
		For >20,000, Deduct	-8.28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0005	SY		6" 4,500 PSI Concrete Paving Assembly.....	71.91	
			For 2,500 PSI Concrete, Deduct	-3.79	
			For 3,000 PSI Concrete, Deduct	-2.47	
			For 3,500 PSI Concrete, Deduct	-1.98	
			For 4,000 PSI Concrete, Deduct	-0.86	
			For 5,000 PSI Concrete, Add	0.53	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.28	
			For <12' Wide Pass, Add	13.04	
			For 24' Or Greater Wide Pass, Deduct	-14.38	
			For Slipforming, Deduct	-7.19	
			For Up To 100, Add	29.98	
			For >100 To 250, Add	16.64	
			For >250 To 500, Add	8.32	
			For >1,000 To 2,000, Deduct	-1.65	
			For >2,000 To 5,000, Deduct	-3.44	
			For >5,000 To 10,000, Deduct	-5.24	
			For >10,000 To 20,000, Deduct	-7.04	
			For >20,000, Deduct	-8.84	
32 13 13 33-0006	SY		7" 4,500 PSI Concrete Paving Assembly.....	84.70	
			For 2,500 PSI Concrete, Deduct	-4.77	
			For 3,000 PSI Concrete, Deduct	-3.11	
			For 3,500 PSI Concrete, Deduct	-2.49	
			For 4,000 PSI Concrete, Deduct	-1.08	
			For 5,000 PSI Concrete, Add	0.66	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.40	
			For <12' Wide Pass, Add	14.95	
			For 24' Or Greater Wide Pass, Deduct	-16.94	
			For Slipforming, Deduct	-8.47	
			For Up To 100, Add	34.22	
			For >100 To 250, Add	19.18	
			For >250 To 500, Add	9.59	
			For >1,000 To 2,000, Deduct	-2.08	
			For >2,000 To 5,000, Deduct	-4.19	
			For >5,000 To 10,000, Deduct	-6.31	
			For >10,000 To 20,000, Deduct	-8.43	
			For >20,000, Deduct	-10.55	
32 13 13 33-0007	SY		8" 4,500 PSI Concrete Paving Assembly.....	97.38	
			For 2,500 PSI Concrete, Deduct	-5.24	
			For 3,000 PSI Concrete, Deduct	-3.42	
			For 3,500 PSI Concrete, Deduct	-2.73	
			For 4,000 PSI Concrete, Deduct	-1.18	
			For 5,000 PSI Concrete, Add	0.73	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.92	
			For <12' Wide Pass, Add	17.51	
			For 24' Or Greater Wide Pass, Deduct	-19.48	
			For Slipforming, Deduct	-9.74	
			For Up To 100, Add	40.20	
			For >100 To 250, Add	22.38	
			For >250 To 500, Add	11.19	
			For >1,000 To 2,000, Deduct	-2.28	
			For >2,000 To 5,000, Deduct	-4.71	
			For >5,000 To 10,000, Deduct	-7.15	
			For >10,000 To 20,000, Deduct	-9.58	
			For >20,000, Deduct	-12.02	
32 13 13 33-0008	SY		9" 4,500 PSI Concrete Paving Assembly.....	109.88	
			For 2,500 PSI Concrete, Deduct	-6.05	
			For 3,000 PSI Concrete, Deduct	-3.95	
			For 3,500 PSI Concrete, Deduct	-3.16	
			For 4,000 PSI Concrete, Deduct	-1.37	
			For 5,000 PSI Concrete, Add	0.84	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	6.84	
			For <12' Wide Pass, Add	19.57	
			For 24' Or Greater Wide Pass, Deduct	-21.98	
			For Slipforming, Deduct	-10.99	
			For Up To 100, Add	44.87	
			For >100 To 250, Add	25.07	
			For >250 To 500, Add	12.53	
			For >1,000 To 2,000, Deduct	-2.63	
			For >2,000 To 5,000, Deduct	-5.38	
			For >5,000 To 10,000, Deduct	-8.13	
			For >10,000 To 20,000, Deduct	-10.87	
			For >20,000, Deduct	-13.62	
32 13 13 33-0009	SY		10" 4,500 PSI Concrete Paving Assembly.....	122.70	
			For 2,500 PSI Concrete, Deduct	-6.66	
			For 3,000 PSI Concrete, Deduct	-4.34	
			For 3,500 PSI Concrete, Deduct	-3.48	
			For 4,000 PSI Concrete, Deduct	-1.51	
			For 5,000 PSI Concrete, Add	0.93	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	7.53	
			For <12' Wide Pass, Add	21.99	
			For 24' Or Greater Wide Pass, Deduct	-24.54	
			For Slipforming, Deduct	-12.27	
			For Up To 100, Add	50.45	
			For >100 To 250, Add	28.12	
			For >250 To 500, Add	14.06	
			For >1,000 To 2,000, Deduct	-2.90	
			For >2,000 To 5,000, Deduct	-5.96	
			For >5,000 To 10,000, Deduct	-9.03	
			For >10,000 To 20,000, Deduct	-12.10	
			For >20,000, Deduct	-15.17	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 13 Rigid Paving**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 13 13 33-0010	SY	12" 4,500 PSI Concrete Paving Assembly	146.32	
		<i>For 2,500 PSI Concrete, Deduct</i>	-7.89	
		<i>For 3,000 PSI Concrete, Deduct</i>	-5.14	
		<i>For 3,500 PSI Concrete, Deduct</i>	-4.11	
		<i>For 4,000 PSI Concrete, Deduct</i>	-1.78	
		<i>For 5,000 PSI Concrete, Add</i>	1.10	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	8.92	
		<i>For <12' Wide Pass, Add</i>	26.29	
		<i>For 24' Or Greater Wide Pass, Deduct</i>	-29.26	
		<i>For Slipforming, Deduct</i>	-14.63	
		<i>For Up To 100, Add</i>	60.36	
		<i>For >100 To 250, Add</i>	33.61	
		<i>For >250 To 500, Add</i>	16.80	
		<i>For >1,000 To 2,000, Deduct</i>	-3.43	
		<i>For >2,000 To 5,000, Deduct</i>	-7.09	
		<i>For >5,000 To 10,000, Deduct</i>	-10.75	
		<i>For >10,000 To 20,000, Deduct</i>	-14.40	
		<i>For >20,000, Deduct</i>	-18.06	
32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly	187.40	
		<i>For 2,500 PSI Concrete, Deduct</i>	-9.69	
		<i>For 3,000 PSI Concrete, Deduct</i>	-6.32	
		<i>For 3,500 PSI Concrete, Deduct</i>	-5.05	
		<i>For 4,000 PSI Concrete, Deduct</i>	-2.19	
		<i>For 5,000 PSI Concrete, Add</i>	1.35	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	10.95	
		<i>For <12' Wide Pass, Add</i>	34.22	
		<i>For 24' Or Greater Wide Pass, Deduct</i>	-37.48	
		<i>For Slipforming, Deduct</i>	-18.74	
		<i>For Up To 100, Add</i>	78.75	
		<i>For >100 To 250, Add</i>	43.59	
		<i>For >250 To 500, Add</i>	21.79	
		<i>For >1,000 To 2,000, Deduct</i>	-4.21	
		<i>For >2,000 To 5,000, Deduct</i>	-8.90	
		<i>For >5,000 To 10,000, Deduct</i>	-13.58	
		<i>For >10,000 To 20,000, Deduct</i>	-18.27	
		<i>For >20,000, Deduct</i>	-22.95	

32 13 16 Decorative Concrete Paving (32 13)**32 13 16 13 Patterned Concrete Paving (32 13 16)**

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk.....	5.46	
------------------	----	--	------	--

32 13 43 Pervious Concrete Paving (32 13)**32 13 43 00-0001 Pervious Concrete Assembly (32 13 43)**

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF	6" Thick Pervious Concrete Paving.....	15.52	
		Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
		<i>For >5,000 To 30,000, Deduct</i>	-1.76	
		<i>For >30,000 To 100,000, Deduct</i>	-3.33	
		<i>For >100,000, Deduct</i>	-4.13	
32 13 43 00-0003	SF	9" Thick Pervious Concrete Paving.....	19.06	
		Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
		<i>For >5,000 To 30,000, Deduct</i>	-2.11	
		<i>For >30,000 To 100,000, Deduct</i>	-3.95	
		<i>For >100,000, Deduct</i>	-4.91	

32 13 73 Concrete Paving Joint Sealants (32 13)**32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)****32 13 73 13-0001 Concrete Pavement Joint And Crack Repair (32 13 73 13)**

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 13-0002	LF	Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads	9.12	
------------------	----	--	------	--

32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)**32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)**

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 16-0002	LF	Joint Sealing, Concrete Pavement Preformed Elastomeric	13.14	
------------------	----	--	-------	--

32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)**32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement (32 13 73 19)**

Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where sawcutting is not required. Excludes saw cutting.

32 13 73 19-0002	LF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	11.55	2.80
32 13 73 19-0003	LF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	11.95	2.86
32 13 73 19-0004	LF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.36	2.92
32 13 73 19-0005	LF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	13.46	2.97
32 13 73 19-0006	LF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	14.82	3.04
32 13 73 19-0007	LF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	16.58	3.10

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

32 13 73 19-0008	LF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement.....	19.11	3.16
------------------	----	---	-------	------

32 14 Unit Paving (32 10)

32 14 09 Paver Restraints (32 14)

32 14 09 00-0001 Paver Restraints (32 14 09)

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint.....	3.88	1.29
		<i>For >1,000 To 2,000, Deduct</i>	-0.40	
		<i>For >2,000 To 4,000, Deduct</i>	-0.58	
		<i>For >4,000, Deduct</i>	-0.75	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint.....	4.12	1.29
		<i>For >500 To 1,000, Deduct</i>	-0.10	
		<i>For >1,000 To 2,000, Deduct</i>	-0.21	
		<i>For >2,000, Deduct</i>	-0.31	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint.....	4.00	1.29
		<i>For >250 To 500, Deduct</i>	-0.19	
		<i>For >500 To 1,000, Deduct</i>	-0.29	
		<i>For >1,000 To 1,500, Deduct</i>	-0.49	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint.....	4.54	1.29
		<i>For >250 To 500, Deduct</i>	-0.25	
		<i>For >500 To 1,000, Deduct</i>	-0.37	
		<i>For >1,000 To 1,500, Deduct</i>	-0.62	
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint.....	5.59	1.29
		<i>For >250 To 500, Deduct</i>	-0.35	
		<i>For >500 To 1,000, Deduct</i>	-0.53	
		<i>For >1,000 To 1,500, Deduct</i>	-0.88	
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint.....	6.39	1.29
		<i>For >250 To 500, Deduct</i>	-0.43	
		<i>For >500 To 1,000, Deduct</i>	-0.65	
		<i>For >1,000 To 1,500, Deduct</i>	-1.08	

32 14 11 Bedding For Unit Paving (32 14)

32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 14 11 00-0002	SF	1" To 2" Sand Bedding, Screeded.....	1.14	
		<i>For Up To 100, Add</i>	0.50	
		<i>For >100 To 500, Add</i>	0.14	
		<i>For >1,000 To 5,000, Deduct</i>	-0.09	
		<i>For >5,000, Deduct</i>	-0.14	
32 14 11 00-0003	SF	1" To 2" Stone Dust Bedding, Screeded.....	1.37	
		<i>For Up To 100, Add</i>	0.56	
		<i>For >100 To 500, Add</i>	0.16	
		<i>For >1,000 To 5,000, Deduct</i>	-0.09	
		<i>For >5,000, Deduct</i>	-0.15	
32 14 11 00-0004	SF	3" Stone Dust Bedding, Screeded.....	1.77	
		<i>For Up To 100, Add</i>	0.70	
		<i>For >100 To 500, Add</i>	0.19	
		<i>For >1,000 To 5,000, Deduct</i>	-0.10	
		<i>For >5,000, Deduct</i>	-0.18	
32 14 11 00-0005	SF	4" Stone Dust Bedding, Screeded.....	2.24	
		<i>For Up To 100, Add</i>	0.87	
		<i>For >100 To 500, Add</i>	0.24	
		<i>For >1,000 To 5,000, Deduct</i>	-0.13	
		<i>For >5,000, Deduct</i>	-0.22	
32 14 11 00-0006	SF	1" Mortar Bedding.....	3.37	
		<i>For Up To 100, Add</i>	1.56	
		<i>For >100 To 500, Add</i>	0.45	
		<i>For >1,000 To 5,000, Deduct</i>	-0.29	
		<i>For >5,000, Deduct</i>	-0.44	
32 14 11 00-0007	SF	2" Mortar Bedding.....	4.84	
		<i>For Up To 100, Add</i>	2.16	
		<i>For >100 To 500, Add</i>	0.62	
		<i>For >1,000 To 5,000, Deduct</i>	-0.38	
		<i>For >5,000, Deduct</i>	-0.60	
32 14 11 00-0008	SF	Thin-Set Latex Portland Cement Mortar.....	1.78	
		<i>For Up To 100, Add</i>	0.83	
		<i>For >100 To 500, Add</i>	0.24	
		<i>For >1,000 To 5,000, Deduct</i>	-0.15	
		<i>For >5,000, Deduct</i>	-0.24	

32 14 13 Precast Concrete Unit Paving (32 14)

32 14 13 16 Precast Concrete Unit Paving Slabs (32 14 13)

32 14 13 16-0001 Precast Concrete Paver Sidewalk (32 14 13 16)

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 14 Unit Paving**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 SI Precast Concrete Paver.....	11.35	3.55
		Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	0.99	
		For 3-1/8" Concrete Paver, Add	1.59	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.92	
		For Up To 100, Add	4.62	
		For >100 To 500, Add	1.28	
		For >1,000 To 5,000, Deduct	-0.71	
		For >5,000, Deduct	-1.20	
32 14 13 16-0003	SF	2-3/8" Thick, >32 To 64 SI Precast Concrete Paver.....	10.70	3.24
		Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	0.96	
		For 3-1/8" Concrete Paver, Add	1.54	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.86	
		For Up To 100, Add	4.30	
		For >100 To 500, Add	1.18	
		For >1,000 To 5,000, Deduct	-0.65	
		For >5,000, Deduct	-1.10	
32 14 13 16-0004	SF	2-3/8" Thick, >64 To 144 SI Precast Concrete Paver.....	10.11	2.58
		Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	0.93	
		For 3-1/8" Concrete Paver, Add	1.50	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.80	
		For Up To 100, Add	4.00	
		For >100 To 500, Add	1.09	
		For >1,000 To 5,000, Deduct	-0.59	
		For >5,000, Deduct	-1.01	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver.....	9.58	2.68
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	0.90	
		For 3-1/8" Concrete Paver, Add	1.46	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.75	
		For Up To 100, Add	3.74	
		For >100 To 500, Add	1.02	
		For >1,000 To 5,000, Deduct	-0.54	
		For >5,000, Deduct	-0.93	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns	10.39	3.08
		Note: Patterns made by combining pavers from two or more size groups.		
		For 2-3/4" Concrete Paver, Add	0.94	
		For 3-1/8" Concrete Paver, Add	1.52	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.83	
		For Up To 100, Add	4.14	
		For >100 To 500, Add	1.14	
		For >1,000 To 5,000, Deduct	-0.62	
		For >5,000, Deduct	-1.05	

32 14 13 19 Porous Precast Concrete Unit Paving (32 14 13)

32 14 13 19-0001		Turf Block (32 14 13 19)		
		Note: Grass grid, open-cell unit paver, geoblock.		
32 14 13 19-0002	SF	3-1/8" Thick, Precast Concrete Turf Block	9.84	3.08
		For Up To 100, Add	4.00	
		For >100 To 500, Add	1.11	
		For >1,000 To 5,000, Deduct	-0.62	
		For >5,000, Deduct	-1.04	

32 14 16 Brick Unit Paving (32 14)

32 14 16 00-0001		Brick Paver Sidewalk (32 14 16)		
		Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat	11.96	3.55
		For 1-3/8" Thick Paver, Deduct	-2.05	
		For 2-3/4" Thick Paver (Vehicular), Add	4.48	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.95	
		For Up To 100, Add	4.77	
		For >100 To 500, Add	1.31	
		For >1,000 To 5,000, Deduct	-0.71	
		For >5,000, Deduct	-1.21	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge.....	16.70	4.05
		For 1-3/8" Thick Paver, Deduct	-3.41	
		For 2-3/4" Thick Paver (Vehicular), Add	7.74	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.24	
		For Up To 100, Add	6.20	
		For >100 To 500, Add	1.65	
		For >1,000 To 5,000, Deduct	-0.81	
		For >5,000, Deduct	-1.47	

32 14 33 Plastic Paving (32 14)

32 14 33 00-0001		Turf Block Plastic Paving (32 14 33)		
32 14 33 00-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block.....	13.46	3.08
		For Up To 100, Add	4.91	
		For >100 To 500, Add	1.29	
		For >1,000 To 5,000, Deduct	-0.62	
		For >5,000, Deduct	-1.14	

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

32 14 40 Stone Paving (32 14)

32 14 40 00-0001			Slate Paver Sidewalk (32 14 40) Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0002	SF		1" Thick, Up to 54 SI Slate Paver..... Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.	17.35	2.95
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.16	
			<i>For 1/4" Thick Paver, Deduct</i>	-8.81	
			<i>For 1/2" Thick Paver, Deduct</i>	-6.16	
			<i>For Up To 100, Add</i>	5.81	
			<i>For >100 To 500, Add</i>	1.46	
			<i>For >1,000 To 5,000, Deduct</i>	-0.59	
			<i>For >5,000, Deduct</i>	-1.23	
32 14 40 00-0003	SF		1" Thick, >54 to 108 SI Slate Paver..... Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.	16.82	2.68
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.11	
			<i>For 1/4" Thick Paver, Deduct</i>	-8.67	
			<i>For 1/2" Thick Paver, Deduct</i>	-6.08	
			<i>For Up To 100, Add</i>	5.55	
			<i>For >100 To 500, Add</i>	1.38	
			<i>For >1,000 To 5,000, Deduct</i>	-0.54	
			<i>For >5,000, Deduct</i>	-1.15	
32 14 40 00-0004	SF		1" Thick, >108 to 216 SI Slate Paver..... Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.	15.88	2.21
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.02	
			<i>For 1/4" Thick Paver, Deduct</i>	-8.44	
			<i>For 1/2" Thick Paver, Deduct</i>	-5.93	
			<i>For Up To 100, Add</i>	5.08	
			<i>For >100 To 500, Add</i>	1.24	
			<i>For >1,000 To 5,000, Deduct</i>	-0.44	
			<i>For >5,000, Deduct</i>	-1.01	
32 14 40 00-0005	SF		1" Thick, >216 SI Slate Paver..... Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.	15.48	2.01
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.98	
			<i>For 1/4" Thick Paver, Deduct</i>	-8.34	
			<i>For 1/2" Thick Paver, Deduct</i>	-5.87	
			<i>For Up To 100, Add</i>	4.88	
			<i>For >100 To 500, Add</i>	1.18	
			<i>For >1,000 To 5,000, Deduct</i>	-0.40	
			<i>For >5,000, Deduct</i>	-0.95	
32 14 40 00-0006	SF		1" Thick, Slate Paver, Combinations And Patterns..... Note: Patterns made by combining pavers from two or more size groups.	16.30	2.43
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.06	
			<i>For 1/4" Thick Paver, Deduct</i>	-8.54	
			<i>For 1/2" Thick Paver, Deduct</i>	-6.00	
			<i>For Up To 100, Add</i>	5.29	
			<i>For >100 To 500, Add</i>	1.30	
			<i>For >1,000 To 5,000, Deduct</i>	-0.48	
			<i>For >5,000, Deduct</i>	-1.07	
32 14 40 00-0007			Granite Paver Sidewalk (32 14 40) Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008	SF		1" Thick, Up to 54 SI Granite Paver..... Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.	21.88	2.95
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.39	
			<i>For 2" Granite Paver, Add</i>	1.09	
			<i>For 3" Granite Paver, Add</i>	2.19	
			<i>For 4" Granite Paver, Add</i>	2.48	
			<i>For Up To 100, Add</i>	6.94	
			<i>For >100 To 500, Add</i>	1.68	
			<i>For >1,000 To 5,000, Deduct</i>	-0.59	
			<i>For >5,000, Deduct</i>	-1.36	
32 14 40 00-0009	SF		1" Thick, >54 to 108 SI Granite Paver..... Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.	21.35	2.68
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.34	
			<i>For 2" Granite Paver, Add</i>	1.07	
			<i>For 3" Granite Paver, Add</i>	2.14	
			<i>For 4" Granite Paver, Add</i>	2.40	
			<i>For Up To 100, Add</i>	6.68	
			<i>For >100 To 500, Add</i>	1.60	
			<i>For >1,000 To 5,000, Deduct</i>	-0.54	
			<i>For >5,000, Deduct</i>	-1.28	
32 14 40 00-0010	SF		1" Thick, >108 to 216 SI Granite Paver..... Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.	20.41	2.21
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.24	
			<i>For 2" Granite Paver, Add</i>	1.02	
			<i>For 3" Granite Paver, Add</i>	2.04	
			<i>For 4" Granite Paver, Add</i>	2.26	
			<i>For Up To 100, Add</i>	6.21	
			<i>For >100 To 500, Add</i>	1.46	
			<i>For >1,000 To 5,000, Deduct</i>	-0.44	
			<i>For >5,000, Deduct</i>	-1.14	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 14 Unit Paving**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0011	SF		1" Thick, >216 SI Granite Paver.....	20.01	2.01
			Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.		
			For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.20	
			For 2" Granite Paver, Add	1.00	
			For 3" Granite Paver, Add	2.00	
			For 4" Granite Paver, Add	2.20	
			For Up To 100, Add	6.01	
			For >100 To 500, Add	1.40	
			For >1,000 To 5,000, Deduct	-0.40	
			For >5,000, Deduct	-1.08	
32 14 40 00-0012	SF		1" Thick, Granite Paver, Combinations And Patterns	20.83	2.43
			Note: Patterns made by combining pavers from two or more size groups.		
			For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.28	
			For 2" Granite Paver, Add	1.04	
			For 3" Granite Paver, Add	2.08	
			For 4" Granite Paver, Add	2.33	
			For Up To 100, Add	6.42	
			For >100 To 500, Add	1.53	
			For >1,000 To 5,000, Deduct	-0.48	
			For >5,000, Deduct	-1.21	
32 16 Curbs, Gutters, Sidewalks, And Driveways <small>(32 16)</small>					
32 16 13 Curbs And Gutters <small>(32 16)</small>					
Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.					
32 16 13 13 Cast-In-Place Concrete Curbs And Gutters <small>(32 16 13)</small>					
Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.					
32 16 13 13-0001 Cast In Place Concrete Curb And Gutter <small>(32 16 13 13)</small>					
Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.					
32 16 13 13-0002	LF		6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	28.35	13.76
			For Up To 20, Add	19.42	
			For >20 To 50, Add	10.91	
			For >50 To 100, Add	4.25	
			For >500 To 1,000, Deduct	-3.83	
			For >1,000, Deduct	-6.45	
			For Rolled Curb And Gutter	2.17	
32 16 13 13-0003	LF		6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	30.97	18.34
			For Up To 20, Add	21.22	
			For >20 To 50, Add	11.93	
			For >50 To 100, Add	4.65	
			For >500 To 1,000, Deduct	-4.19	
			For >1,000, Deduct	-7.05	
			For Rolled Curb And Gutter	2.39	
32 16 13 13-0004	LF		6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	36.03	15.25
			For Up To 20, Add	24.66	
			For >20 To 50, Add	13.85	
			For >50 To 100, Add	5.40	
			For >500 To 1,000, Deduct	-4.84	
			For >1,000, Deduct	-8.16	
			For Rolled Curb And Gutter	2.73	
32 16 13 13-0005	LF		6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	39.91	16.97
			For Up To 20, Add	27.33	
			For >20 To 50, Add	15.36	
			For >50 To 100, Add	5.99	
			For >500 To 1,000, Deduct	-5.38	
			For >1,000, Deduct	-9.07	
			For Rolled Curb And Gutter	3.05	
32 16 13 13-0006	LF		6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	43.70	18.34
			For Up To 20, Add	29.89	
			For >20 To 50, Add	16.78	
			For >50 To 100, Add	6.56	
			For >500 To 1,000, Deduct	-5.85	
			For >1,000, Deduct	-9.87	
			For Rolled Curb And Gutter	3.28	
32 16 13 13-0007	LF		6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	48.83	20.64
			For Up To 20, Add	33.43	
			For >20 To 50, Add	18.78	
			For >50 To 100, Add	7.32	
			For >500 To 1,000, Deduct	-6.57	
			For >1,000, Deduct	-11.07	
			For Rolled Curb And Gutter	3.71	
32 16 13 13-0008	LF		6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	51.97	21.78
			For Up To 20, Add	35.54	
			For >20 To 50, Add	19.95	
			For >50 To 100, Add	7.80	
			For >500 To 1,000, Deduct	-6.96	
			For >1,000, Deduct	-11.73	
			For Rolled Curb And Gutter	3.90	
32 16 13 13-0009	LF		6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	57.21	24.09
			For Up To 20, Add	39.14	
			For >20 To 50, Add	21.98	
			For >50 To 100, Add	8.58	
			For >500 To 1,000, Deduct	-7.68	
			For >1,000, Deduct	-12.95	
			For Rolled Curb And Gutter	4.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0010	LF		6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	60.22	25.23
			For Up To 20, Add	41.18	
			For >20 To 50, Add	23.11	
			For >50 To 100, Add	9.03	
			For >500 To 1,000, Deduct	-8.06	
			For >1,000, Deduct	-13.59	
			For Rolled Curb And Gutter	4.51	
32 16 13 13-0011	LF		6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	65.57	27.53
			For Up To 20, Add	44.85	
			For >20 To 50, Add	25.18	
			For >50 To 100, Add	9.84	
			For >500 To 1,000, Deduct	-8.78	
			For >1,000, Deduct	-14.81	
			For Rolled Curb And Gutter	4.92	
32 16 13 13-0012	LF		6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	68.48	28.67
			For Up To 20, Add	46.82	
			For >20 To 50, Add	26.28	
			For >50 To 100, Add	10.27	
			For >500 To 1,000, Deduct	-9.16	
			For >1,000, Deduct	-15.45	
			For Rolled Curb And Gutter	5.12	
32 16 13 13-0013	LF		6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	76.24	32.11
			For Up To 20, Add	52.17	
			For >20 To 50, Add	29.29	
			For >50 To 100, Add	11.44	
			For >500 To 1,000, Deduct	-10.23	
			For >1,000, Deduct	-17.26	
			For Rolled Curb And Gutter	5.76	
32 16 13 13-0014	LF		Type M100G Concrete Curb And Gutter With Anchors.....	50.74	21.78
			For Up To 50, Add	11.25	
			For Up To 20, Add	34.80	
			For >20 To 50, Add	19.58	
			For >50 To 100, Add	7.61	
			For >500 To 1,000, Deduct	-6.90	
			For >1,000, Deduct	-11.61	
			For Rolled Curb And Gutter	3.96	
32 16 13 13-0015	LF		Type VF150G Concrete Curb And Gutter With Anchors.....	50.81	21.78
			For Up To 50, Add	11.26	
			For Up To 20, Add	34.84	
			For >20 To 50, Add	19.60	
			For >50 To 100, Add	7.62	
			For >500 To 1,000, Deduct	-6.90	
			For >1,000, Deduct	-11.62	
			For Rolled Curb And Gutter	3.96	
32 16 13 13-0016 Curb Anchors <small>(32 16 13 13)</small>					
32 16 13 13-0017	EA		Curb Anchor For New Construction Placed During New Construction.....	13.37	
32 16 13 13-0018	EA		Curb Anchor For Existing Pavement Placed In Existing Concrete.....	77.72	
			Note: Includes drilling, grouting and corrosion resistant epoxy coated bar.		
32 16 13 13-0019 Cast In Place Concrete Curbs <small>(32 16 13 13)</small>					
			Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0020	LF		6" x 12" Cast In Place Concrete Curb.....	21.00	11.48
			For Up To 20, Add	13.39	
			For >20 To 50, Add	7.61	
			For >50 To 100, Add	2.89	
			For >500 To 1,000, Deduct	-2.89	
			For >1,000, Deduct	-4.86	
32 16 13 13-0021	LF		6" x 12" Cast In Place Concrete Curb - Radius.....	24.13	13.21
			For Up To 20, Add	15.45	
			For >20 To 50, Add	8.79	
			For >50 To 100, Add	3.33	
			For >500 To 1,000, Deduct	-3.33	
			For >1,000, Deduct	-5.60	
32 16 13 13-0022	LF		6" x 14" Cast In Place Concrete Curb.....	23.06	11.48
			For Up To 20, Add	14.66	
			For >20 To 50, Add	8.33	
			For >50 To 100, Add	3.16	
			For >500 To 1,000, Deduct	-3.16	
			For >1,000, Deduct	-5.32	
32 16 13 13-0023	LF		6" x 14" Cast In Place Concrete Curb - Radius.....	26.52	13.21
			For Up To 20, Add	16.93	
			For >20 To 50, Add	9.63	
			For >50 To 100, Add	3.65	
			For >500 To 1,000, Deduct	-3.65	
			For >1,000, Deduct	-6.14	
32 16 13 13-0024	LF		6" x 16" Cast In Place Concrete Curb.....	25.29	11.48
			For Up To 20, Add	15.97	
			For >20 To 50, Add	9.08	
			For >50 To 100, Add	3.45	
			For >500 To 1,000, Deduct	-3.45	
			For >1,000, Deduct	-5.80	
32 16 13 13-0025	LF		6" x 16" Cast In Place Concrete Curb - Radius.....	29.06	17.22
			For Up To 20, Add	18.44	
			For >20 To 50, Add	10.48	
			For >50 To 100, Add	3.98	
			For >500 To 1,000, Deduct	-3.98	
			For >1,000, Deduct	-6.70	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 16 13 13-0026	LF	6" x 18" Cast In Place Concrete Curb	27.09	11.48
		<i>For Up To 20, Add</i>	17.02	
		<i>For >20 To 50, Add</i>	9.67	
		<i>For >50 To 100, Add</i>	3.67	
		<i>For >500 To 1,000, Deduct</i>	-3.67	
		<i>For >1,000, Deduct</i>	-6.19	
32 16 13 13-0027	LF	6" x 18" Cast In Place Concrete Curb - Radius.....	30.68	13.21
		<i>For Up To 20, Add</i>	19.34	
		<i>For >20 To 50, Add</i>	10.99	
		<i>For >50 To 100, Add</i>	4.17	
		<i>For >500 To 1,000, Deduct</i>	-4.17	
		<i>For >1,000, Deduct</i>	-7.03	
32 16 13 13-0028	LF	6" x 24" Cast In Place Concrete Curb	30.74	12.63
		<i>For Up To 20, Add</i>	18.91	
		<i>For >20 To 50, Add</i>	10.73	
		<i>For >50 To 100, Add</i>	4.09	
		<i>For >500 To 1,000, Deduct</i>	-4.09	
		<i>For >1,000, Deduct</i>	-6.90	
32 16 13 13-0029	LF	6" x 24" Cast In Place Concrete Curb - Radius.....	34.43	14.35
		<i>For Up To 20, Add</i>	21.24	
		<i>For >20 To 50, Add</i>	12.05	
		<i>For >50 To 100, Add</i>	4.59	
		<i>For >500 To 1,000, Deduct</i>	-4.59	
		<i>For >1,000, Deduct</i>	-7.75	
32 16 13 13-0030	LF	12" x 24" Cast In Place Concrete Curb	38.91	14.35
		<i>For Up To 20, Add</i>	22.13	
		<i>For >20 To 50, Add</i>	12.50	
		<i>For >50 To 100, Add</i>	4.82	
		<i>For >500 To 1,000, Deduct</i>	-4.82	
		<i>For >1,000, Deduct</i>	-8.20	
32 16 13 13-0031	LF	12" x 24" Cast In Place Concrete Curb - Radius.....	43.37	16.08
		<i>For Up To 20, Add</i>	24.74	
		<i>For >20 To 50, Add</i>	13.98	
		<i>For >50 To 100, Add</i>	5.38	
		<i>For >500 To 1,000, Deduct</i>	-5.38	
		<i>For >1,000, Deduct</i>	-9.16	
32 16 13 13-0032	EA	Additional Finish For Handicap Drop Section In Curb.....	86.12	

32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001 Curbs, Machine Formed, Slip Form (32 16 13 14)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0002	JOB	Machine Formed Concrete Curb Minimum Set-Up Charge	1,551.90	
		Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.		
32 16 13 14-0003	LF	6" x 12" Straight Concrete Curb, Machine Formed	10.94	
32 16 13 14-0004	LF	6" x 12" Curved Concrete Curb, Machine Formed.....	15.44	
32 16 13 14-0005	LF	6" x 18" Straight Concrete Curb, Machine Formed	14.37	
32 16 13 14-0006	LF	6" x 18" Curved Concrete Curb, Machine Formed	19.83	

32 16 13 16 Steel Faced Curbs (32 16 13)

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001 Sidewalk/Curb Facing (32 16 13 16)

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	15.25	5.53
		<i>For Curved Section, Add</i>	3.59	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	16.87	6.28
		<i>For Curved Section, Add</i>	4.04	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	22.24	7.03
		<i>For Curved Section, Add</i>	4.88	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	27.01	7.91
		<i>For Curved Section, Add</i>	5.65	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	32.69	8.66
		<i>For Curved Section, Add</i>	6.51	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	42.65	11.05
		<i>For Curved Section, Add</i>	8.39	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	49.73	14.31
		<i>For Curved Section, Add</i>	10.32	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section.....	150.13	

32 16 13 23 Precast Concrete Curbs And Gutters (32 16 13)**32 16 13 23-0001 Precast Concrete Curb (32 16 13 23)**

32 16 13 23-0002	LF	6" x 18" Precast Concrete Curb	41.07	11.28
32 16 13 23-0003	LF	6" x 18" Precast Concrete Curb, Radius.....	48.51	12.97
32 16 13 23-0004	LF	6" x 20" Precast Concrete Curb	43.18	11.28
32 16 13 23-0005	LF	6" x 20" Precast Concrete Curb, Radius.....	51.31	12.97
32 16 13 23-0006	LF	7" x 18" Precast Concrete Curb	44.15	11.28
32 16 13 23-0007	LF	7" x 18" Precast Concrete Curb, Radius.....	52.43	12.97
32 16 13 23-0008	LF	7" x 20" Precast Concrete Curb	46.55	11.28
32 16 13 23-0009	LF	7" x 20" Precast Concrete Curb, Radius.....	55.47	12.97

32 16 13 33 Asphalt Curbs (32 16 13)

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

32 16 13 33-0001	Asphalt Curbs <small>(32 16 13 33)</small>			
32 16 13 33-0002	LF 6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain		13.12	5.65
32 16 13 33-0003	LF 8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain		14.73	6.28
32 16 13 33-0004	LF 8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain		16.23	6.90

32 16 13 43	Stone Curbs <small>(32 16 13)</small>			
32 16 13 43-0001	Granite Curbs <small>(32 16 13 43)</small>			
32 16 13 43-0002	Split Face Granite Curbs <small>(32 16 13 43-0001)</small>			
32 16 13 43-0003	LF 4" To 5" x 12" To 14" Split Face Granite Curb, Straight Section		27.15	9.88
	For Up To 20, Add		12.04	
	For >20 To 50, Add		6.68	
	For >50 To 100, Add		2.68	
	For >500 To 1,000, Deduct		-2.68	
	For >1,000, Deduct		-4.70	
32 16 13 43-0004	LF 6" To 8" x 12" To 14" Split Face Granite Curb, Straight Section		31.82	10.81
	For Up To 20, Add		13.55	
	For >20 To 50, Add		7.49	
	For >50 To 100, Add		3.03	
	For >500 To 1,000, Deduct		-3.03	
	For >1,000, Deduct		-5.34	
32 16 13 43-0005	LF 4" To 5" x 16" To 18" Split Face Granite Curb, Straight Section		35.02	11.60
	For Up To 20, Add		14.73	
	For >20 To 50, Add		8.14	
	For >50 To 100, Add		3.30	
	For >500 To 1,000, Deduct		-3.30	
	For >1,000, Deduct		-5.82	
32 16 13 43-0006	LF 6" To 8" x 16" To 18" Split Face Granite Curb, Straight Section		41.09	12.53
	For Up To 20, Add		16.51	
	For >20 To 50, Add		9.09	
	For >50 To 100, Add		3.71	
	For >500 To 1,000, Deduct		-3.71	
	For >1,000, Deduct		-6.60	
32 16 13 43-0007	LF 4" To 5" x 12" To 14" Split Face Granite Curb, Curved Section		33.04	10.81
	For Up To 20, Add		13.76	
	For >20 To 50, Add		7.60	
	For >50 To 100, Add		3.08	
	For >500 To 1,000, Deduct		-3.08	
	For >1,000, Deduct		-5.45	
32 16 13 43-0008	LF 6" To 8" x 12" To 14" Split Face Granite Curb, Curved Section		37.69	11.60
	For Up To 20, Add		15.26	
	For >20 To 50, Add		8.40	
	For >50 To 100, Add		3.43	
	For >500 To 1,000, Deduct		-3.43	
	For >1,000, Deduct		-6.09	
32 16 13 43-0009	LF 4" To 5" x 16" To 18" Split Face Granite Curb, Curved Section		40.96	12.53
	For Up To 20, Add		16.49	
	For >20 To 50, Add		9.07	
	For >50 To 100, Add		3.71	
	For >500 To 1,000, Deduct		-3.71	
	For >1,000, Deduct		-6.58	
32 16 13 43-0010	LF 6" To 8" x 16" To 18" Split Face Granite Curb, Curved Section		47.04	13.33
	For Up To 20, Add		18.28	
	For >20 To 50, Add		10.03	
	For >50 To 100, Add		4.13	
	For >500 To 1,000, Deduct		-4.13	
	For >1,000, Deduct		-7.37	

32 16 13 43-0011	Sawn Face Granite Curbs <small>(32 16 13 43-0001)</small>			
32 16 13 43-0012	LF 4" To 5" x 12" To 14" Sawn Face Granite Curb, Straight Section		27.15	9.88
	For Up To 20, Add		12.04	
	For >20 To 50, Add		6.68	
	For >50 To 100, Add		2.68	
	For >500 To 1,000, Deduct		-2.68	
	For >1,000, Deduct		-4.70	
32 16 13 43-0013	LF 6" To 8" x 12" To 14" Sawn Face Granite Curb, Straight Section		31.81	10.81
	For Up To 20, Add		13.54	
	For >20 To 50, Add		7.49	
	For >50 To 100, Add		3.03	
	For >500 To 1,000, Deduct		-3.03	
	For >1,000, Deduct		-5.34	
32 16 13 43-0014	LF 4" To 5" x 16" To 18" Sawn Face Granite Curb, Straight Section		35.08	11.60
	For Up To 20, Add		14.77	
	For >20 To 50, Add		8.16	
	For >50 To 100, Add		3.31	
	For >500 To 1,000, Deduct		-3.31	
	For >1,000, Deduct		-5.83	
32 16 13 43-0015	LF 6" To 8" x 16" To 18" Sawn Face Granite Curb, Straight Section		41.16	12.53
	For Up To 20, Add		16.56	
	For >20 To 50, Add		9.11	
	For >50 To 100, Add		3.72	
	For >500 To 1,000, Deduct		-3.72	
	For >1,000, Deduct		-6.62	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 43-0016	LF		4" To 5" x 12" To 14" Sawn Face Granite Curb, Curved Section.....	36.97	10.81
			<i>For Up To 20, Add</i>	14.57	
			<i>For >20 To 50, Add</i>	8.01	
			<i>For >50 To 100, Add</i>	3.28	
			<i>For >500 To 1,000, Deduct</i>	-3.28	
			<i>For >1,000, Deduct</i>	-5.85	
32 16 13 43-0017	LF		6" To 8" x 12" To 14" Sawn Face Granite Curb, Curved Section.....	43.82	11.60
			<i>For Up To 20, Add</i>	16.52	
			<i>For >20 To 50, Add</i>	9.04	
			<i>For >50 To 100, Add</i>	3.74	
			<i>For >500 To 1,000, Deduct</i>	-3.74	
			<i>For >1,000, Deduct</i>	-6.71	
32 16 13 43-0018	LF		4" To 5" x 16" To 18" Sawn Face Granite Curb, Curved Section.....	48.42	12.53
			<i>For Up To 20, Add</i>	18.01	
			<i>For >20 To 50, Add</i>	9.84	
			<i>For >50 To 100, Add</i>	4.09	
			<i>For >500 To 1,000, Deduct</i>	-4.09	
			<i>For >1,000, Deduct</i>	-7.34	
32 16 13 43-0019	LF		6" To 8" x 16" To 18" Sawn Face Granite Curb, Curved Section.....	57.58	13.33
			<i>For Up To 20, Add</i>	20.43	
			<i>For >20 To 50, Add</i>	11.10	
			<i>For >50 To 100, Add</i>	4.66	
			<i>For >500 To 1,000, Deduct</i>	-4.66	
			<i>For >1,000, Deduct</i>	-8.43	
32 16 13 43-0020			Granite Base And Curbs (32 16 13 43-0001)		
32 16 13 43-0021	LF		4" High Granite Base.....	31.48	13.08
			<i>For Up To 20, Add</i>	14.99	
			<i>For >20 To 50, Add</i>	8.36	
			<i>For >50 To 100, Add</i>	3.31	
			<i>For >500 To 1,000, Deduct</i>	-3.31	
			<i>For >1,000, Deduct</i>	-5.76	
32 16 13 43-0022	LF		6" High Granite Base.....	37.54	17.13
			<i>For Up To 20, Add</i>	18.91	
			<i>For >20 To 50, Add</i>	10.60	
			<i>For >50 To 100, Add</i>	4.16	
			<i>For >500 To 1,000, Deduct</i>	-4.16	
			<i>For >1,000, Deduct</i>	-7.18	
32 16 13 43-0023			Remove And Reset Stone And Precast Curbing (32 16 13 43)		
			Note: Includes storage and cleaning.		
32 16 13 43-0024	LF		Removal And Resetting Of Stone Or Precast Curbing.....	37.92	
			Note: Includes storage and cleaning.		
32 16 23 Sidewalks (32 16)					
32 16 23 00-0001			Cast In Place Concrete Sidewalk (32 16 23)		
			Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 03 31 13 00-0075 for pumping with boom truck, 03 31 13 00-0085 for buggies, 03 31 13 00-0094 for short loads, 32 11 23 16-0001 for base course.		
32 16 23 00-0002	SF		4" Cast In Place Concrete Sidewalk.....	9.71	
			<i>For Up To 100, Add</i>	4.34	
			<i>For >100 To 500, Add</i>	1.25	
			<i>For >1,000 To 5,000, Deduct</i>	-0.77	
			<i>For >5,000, Deduct</i>	-1.63	
			<i>For Welded Wire Reinforcement, Add</i>	0.73	
			<i>For 4000 PSI Concrete, Add</i>	0.16	
32 16 23 00-0003	SF		5" Cast In Place Concrete Sidewalk.....	10.45	
			<i>For Up To 100, Add</i>	4.60	
			<i>For >100 To 500, Add</i>	1.32	
			<i>For >1,000 To 5,000, Deduct</i>	-0.79	
			<i>For >5,000, Deduct</i>	-1.71	
			<i>For Welded Wire Reinforcement, Add</i>	0.75	
			<i>For 4000 PSI Concrete, Add</i>	0.20	
32 16 23 00-0004	SF		6" Cast In Place Concrete Sidewalk.....	11.19	
			<i>For Up To 100, Add</i>	4.85	
			<i>For >100 To 500, Add</i>	1.38	
			<i>For >1,000 To 5,000, Deduct</i>	-0.82	
			<i>For >5,000, Deduct</i>	-1.79	
			<i>For Welded Wire Reinforcement, Add</i>	0.78	
			<i>For 4000 PSI Concrete, Add</i>	0.24	
32 16 23 00-0005	SF		7" Cast In Place Concrete Sidewalk.....	12.93	
			<i>For Up To 100, Add</i>	5.56	
			<i>For >100 To 500, Add</i>	1.58	
			<i>For >1,000 To 5,000, Deduct</i>	-0.93	
			<i>For >5,000, Deduct</i>	-2.04	
			<i>For Welded Wire Reinforcement, Add</i>	0.86	
			<i>For 4000 PSI Concrete, Add</i>	0.29	
32 16 23 00-0006	SF		8" Cast In Place Concrete Sidewalk.....	13.55	
			<i>For Up To 100, Add</i>	5.76	
			<i>For >100 To 500, Add</i>	1.63	
			<i>For >1,000 To 5,000, Deduct</i>	-0.95	
			<i>For >5,000, Deduct</i>	-2.10	
			<i>For Welded Wire Reinforcement, Add</i>	0.87	
			<i>For 4000 PSI Concrete, Add</i>	0.33	
32 16 23 00-0007	SF		For Exposed Aggregate Finish In Sidewalk.....	2.73	

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

32 16 23 00-0008	EA	Finish Concrete Handicap Drop Section In Sidewalk.....	163.56	
		Note: Excludes patterned (tactile) finish.		

32 16 23 00-0009		Bituminous Sidewalk <small>(32 16 23)</small>		
		Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 32 11 23 16-0001 for base course.		
32 16 23 00-0010	SY	1" Bituminous Sidewalk	9.09	
		For Up To 100, Add	3.62	
		For >100 To 500, Add	0.99	
		For >1,000 To 5,000, Deduct	-0.54	
		For >5,000, Deduct	-0.99	
32 16 23 00-0011	SY	1-1/2" Bituminous Sidewalk	11.33	
		For Up To 100, Add	4.45	
		For >100 To 500, Add	1.21	
		For >1,000 To 5,000, Deduct	-0.65	
		For >5,000, Deduct	-1.21	
32 16 23 00-0012	SY	2" Bituminous Sidewalk	15.41	
		For Up To 100, Add	5.86	
		For >100 To 500, Add	1.57	
		For >1,000 To 5,000, Deduct	-0.80	
		For >5,000, Deduct	-1.57	
32 16 23 00-0013	SY	2-1/2" Bituminous Sidewalk	19.25	
		For Up To 100, Add	7.30	
		For >100 To 500, Add	1.96	
		For >1,000 To 5,000, Deduct	-1.00	
		For >5,000, Deduct	-1.96	
32 16 23 00-0014	SY	3" Bituminous Sidewalk	21.94	
		For Up To 100, Add	8.18	
		For >100 To 500, Add	2.18	
		For >1,000 To 5,000, Deduct	-1.08	
		For >5,000, Deduct	-2.18	
32 16 23 00-0015	SY	3-1/2" Bituminous Sidewalk	25.16	
		For Up To 100, Add	9.26	
		For >100 To 500, Add	2.45	
		For >1,000 To 5,000, Deduct	-1.19	
		For >5,000, Deduct	-2.45	

32 17 Paving Specialties (32 10)

32 17 13 Parking Bumpers (32 17)
 Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers (32 17 13)

32 17 13 16-0001	EA	4" x 6" x 4' Recycled Plastic Wheel Stop	64.90	8.50
32 17 13 16-0002	EA	4" x 6" x 6' Recycled Plastic Wheel Stop	71.78	8.50

32 17 13 19 Precast Concrete Parking Bumpers (32 17 13)

32 17 13 19-0001	EA	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	59.61	25.59
32 17 13 19-0002	EA	6" x 6" x 6' Precast Concrete Wheel Stop With Dowels	68.91	25.59
32 17 13 19-0003	EA	6" x 8" x 6' Precast Concrete Wheel Stop With Dowels	70.25	25.59
32 17 13 19-0004	EA	6" x 10" x 6' Precast Concrete Wheel Stop With Dowels	73.01	25.59
32 17 13 19-0005	EA	8" x 4-1/2" x 6' Precast Concrete Wheel Stop With Dowels	68.91	25.59
32 17 13 19-0006	EA	8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	84.13	25.59

32 17 13 23 Rubber Parking Bumpers (32 17 13)

32 17 13 23-0001	EA	3' Recycled Rubber Wheel Stop	32.85	8.50
32 17 13 23-0002	EA	4' Recycled Rubber Wheel Stop	37.77	8.50
32 17 13 23-0003	EA	5' Recycled Rubber Wheel Stop	39.73	8.50
32 17 13 23-0004	EA	6' Recycled Rubber Wheel Stop	42.69	8.50

32 17 13 33 Remove And Relocate Parking Bumpers (32 17 13)

32 17 13 33-0001	EA	Removal And Relocation Of Precast Concrete Wheel Stop	40.93	
32 17 13 33-0002	EA	Removal And Relocation Of Plastic Or Wood Wheel Stop	26.61	

32 17 16 Speed Bumps (32 17)

32 17 16 00-0001		Speed Bumps <small>(32 17 16)</small>		
		Note: Excludes pavement markings or reflectors.		
32 17 16 00-0002	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	31.14	1.90
32 17 16 00-0003	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	29.71	1.26
32 17 16 00-0004	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	40.00	1.26

32 17 23 Pavement Markings (32 17)

See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.

32 17 23 13 Painted Pavement Markings (32 17 23)

32 17 23 13-0001		Painted Pavement Striping, Letters, Symbols And Markers For Roads <small>(32 17 23 13)</small>		
		Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 17 Paving Specialties**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0002			Painted Reflective Pavement Marking (32 17 23 13-0001) Note: 15 mil thickness.		
32 17 23 13-0003	LF		Single 4" Wide Solid Line, Painted Reflective Pavement Striping.....	0.25	
			For Up To 5,000 LF, Add	0.05	
			For >25,000 LF, Deduct	-0.04	
			For Broken Line, Deduct	-0.04	
32 17 23 13-0004	LF		Single 6" Wide Solid Line, Painted Reflective Pavement Striping.....	0.32	
			For Up To 5,000 LF, Add	0.06	
			For >25,000 LF, Deduct	-0.05	
			For Broken Line, Deduct	-0.06	
32 17 23 13-0005	LF		Single 8" Wide Solid Line, Painted Reflective Pavement Striping.....	0.40	
			For Up To 5,000 LF, Add	0.08	
			For >25,000 LF, Deduct	-0.06	
			For Broken Line, Deduct	-0.07	
32 17 23 13-0006	LF		Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....	0.55	
			For Up To 5,000 LF, Add	0.11	
			For >25,000 LF, Deduct	-0.08	
			For Broken Line, Deduct	-0.11	
32 17 23 13-0007	LF		Double 4" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.37	
			For Up To 5,000 LF, Add	0.07	
			For >25,000 LF, Deduct	-0.06	
			For Broken Line On One Side, Deduct	-0.04	
			For Double Broken Line, Deduct	-0.08	
32 17 23 13-0008	LF		Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.55	
			For Up To 5,000 LF, Add	0.11	
			For >25,000 LF, Deduct	-0.08	
			For Broken Line On One Side, Deduct	-0.05	
			For Double Broken Line, Deduct	-0.11	
32 17 23 13-0009	SF		Solid Area, Painted Reflective Pavement Striping.....	5.47	
			Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0010	EA		6" High, Letter/Number, Painted Reflective Pavement Marking.....	3.90	
			For <10, Add	0.55	
			For >50 To 100, Deduct	-0.27	
			For >100 To 200, Deduct	-0.36	
			For >200, Deduct	-0.73	
32 17 23 13-0011	EA		12" High, Letter/Number, Painted Reflective Pavement Marking.....	6.45	
			For <10, Add	0.83	
			For >50 To 100, Deduct	-0.41	
			For >100 To 200, Deduct	-0.55	
			For >200, Deduct	-1.10	
32 17 23 13-0012	EA		24" High, Letter/Number, Painted Reflective Pavement Marking.....	10.81	
			For <10, Add	1.37	
			For >50 To 100, Deduct	-0.69	
			For >100 To 200, Deduct	-0.92	
			For >200, Deduct	-1.83	
32 17 23 13-0013	EA		36" High, Letter/Number, Painted Reflective Pavement Marking.....	21.21	
			For <10, Add	2.74	
			For >50 To 100, Deduct	-1.37	
			For >100 To 200, Deduct	-1.83	
			For >200, Deduct	-3.66	
32 17 23 13-0014	EA		48" High, Letter/Number, Painted Reflective Pavement Marking.....	24.30	
			For <10, Add	3.08	
			For >50 To 100, Deduct	-1.54	
			For >100 To 200, Deduct	-2.05	
			For >200, Deduct	-4.10	
32 17 23 13-0015	EA		72" High, Letter/Number, Painted Reflective Pavement Marking.....	43.41	
			For <10, Add	5.47	
			For >50 To 100, Deduct	-2.74	
			For >100 To 200, Deduct	-3.65	
			For >200, Deduct	-7.30	
32 17 23 13-0016	EA		96" High, Letter/Number, Painted Reflective Pavement Marking.....	58.11	
			For <10, Add	7.35	
			For >50 To 100, Deduct	-3.68	
			For >100 To 200, Deduct	-4.90	
			For >200, Deduct	-9.80	
32 17 23 13-0017	EA		120" High, Letter/Number, Painted Reflective Pavement Marking.....	81.06	
			For <10, Add	9.11	
			For >50 To 100, Deduct	-4.55	
			For >100 To 200, Deduct	-6.07	
			For >200, Deduct	-12.14	
32 17 23 13-0018	EA		Bike Lane Symbol, Painted Reflective Pavement Marking.....	56.50	
			Note: Approximate overall dimensions: 4' width x 8' height.		
32 17 23 13-0019	EA		Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	193.73	
			Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
32 17 23 13-0020	EA		Preferential Lane Symbol (Diamond), Painted Reflective Pavement Marking.....	65.79	
			Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 13-0021	EA		Through Lane Arrow, Painted Reflective Pavement Marking.....	71.96	
			Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0022	EA		Turn Lane Arrow, Painted Reflective Pavement Marking.....	80.49	
			Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0023	EA		Dual Turn Lane Arrow, Painted Reflective Pavement Marking.....	110.11	
			Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0024	EA		Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	112.08	
			Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0025	EA		Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	142.71	
			Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0026	EA		Elongated Through Lane Arrow, Painted Reflective Pavement Marking.....	70.78	
			Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 13-0027	EA		Elongated Turn Lane Arrow, Painted Reflective Pavement Marking.....	81.33	
			Note: Approximate overall dimensions: 3' width x 12' height.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0028 EA Elongated Dual Turn Lane Arrow, Painted Reflective Pavement Marking.....	105.45	
Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 13-0029 EA Elongated Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	108.07	
Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 13-0030 EA Elongated Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	136.96	
Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 13-0031 EA Lane-Reduction Arrow, Painted Reflective Pavement Marking.....	122.65	
Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
32 17 23 13-0032 EA Wrong-Way Arrow, Painted Reflective Pavement Marking.....	148.61	
Note: Approximate overall dimensions: 6' width x 24' height.		
32 17 23 13-0033 Epoxy Reflective Pavement Marking (32 17 23 13-0001)		
Note: 15 mil thickness.		
32 17 23 13-0034 LF Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.42	
For 20 Mil Thickness, Add	0.11	
For Up To 5,000 LF, Add	0.08	
For >25,000 LF, Deduct	-0.06	
For Broken Line, Deduct	-0.17	
32 17 23 13-0035 LF Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.57	
For 20 Mil Thickness, Add	0.15	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.09	
For Broken Line, Deduct	-0.25	
32 17 23 13-0036 LF Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.70	
For 20 Mil Thickness, Add	0.19	
For Up To 5,000 LF, Add	0.14	
For >25,000 LF, Deduct	-0.11	
For Broken Line, Deduct	-0.29	
32 17 23 13-0037 LF Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping.....	1.05	
For 20 Mil Thickness, Add	0.29	
For Up To 5,000 LF, Add	0.21	
For >25,000 LF, Deduct	-0.16	
For Broken Line, Deduct	-0.48	
32 17 23 13-0038 LF Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.63	
For 20 Mil Thickness, Add	0.18	
For Up To 5,000 LF, Add	0.13	
For >25,000 LF, Deduct	-0.09	
For Broken Line On One Side, Deduct	-0.16	
For Double Broken Line, Deduct	-0.32	
32 17 23 13-0039 LF Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.89	
For 20 Mil Thickness, Add	0.26	
For Up To 5,000 LF, Add	0.18	
For >25,000 LF, Deduct	-0.13	
For Broken Line On One Side, Deduct	-0.24	
For Double Broken Line, Deduct	-0.49	
32 17 23 13-0040 SF Solid Area, Epoxy Reflective Pavement Marking.....	6.49	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
For 20 Mil Thickness, Add	0.68	
32 17 23 13-0041 EA 6" High, Letter/Number, Epoxy Reflective Pavement Marking.....	4.10	
For 20 Mil Thickness, Add	0.35	
For <10, Add	0.55	
For >50 To 100, Deduct	-0.27	
For >100 To 200, Deduct	-0.36	
For >200, Deduct	-0.73	
32 17 23 13-0042 EA 12" High, Letter/Number, Epoxy Reflective Pavement Marking.....	7.17	
For 20 Mil Thickness, Add	0.85	
For <10, Add	0.83	
For >50 To 100, Deduct	-0.41	
For >100 To 200, Deduct	-0.55	
For >200, Deduct	-1.10	
32 17 23 13-0043 EA 24" High, Letter/Number, Epoxy Reflective Pavement Marking.....	12.08	
For 20 Mil Thickness, Add	1.47	
For <10, Add	1.37	
For >50 To 100, Deduct	-0.69	
For >100 To 200, Deduct	-0.92	
For >200, Deduct	-1.83	
32 17 23 13-0044 EA 36" High, Letter/Number, Epoxy Reflective Pavement Marking.....	23.44	
For 20 Mil Thickness, Add	2.71	
For <10, Add	2.74	
For >50 To 100, Deduct	-1.37	
For >100 To 200, Deduct	-1.83	
For >200, Deduct	-3.66	
32 17 23 13-0045 EA 48" High, Letter/Number, Epoxy Reflective Pavement Marking.....	27.20	
For 20 Mil Thickness, Add	3.35	
For <10, Add	3.08	
For >50 To 100, Deduct	-1.54	
For >100 To 200, Deduct	-2.05	
For >200, Deduct	-4.10	
32 17 23 13-0046 EA 72" High, Letter/Number, Epoxy Reflective Pavement Marking.....	48.71	
For 20 Mil Thickness, Add	6.05	
For <10, Add	5.47	
For >50 To 100, Deduct	-2.74	
For >100 To 200, Deduct	-3.65	
For >200, Deduct	-7.30	
32 17 23 13-0047 EA 96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	65.08	
For 20 Mil Thickness, Add	8.02	
For <10, Add	7.35	
For >50 To 100, Deduct	-3.68	
For >100 To 200, Deduct	-4.90	
For >200, Deduct	-9.80	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0048	EA		120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	96.61	
			<i>For 20 Mil Thickness, Add</i>	15.26	
			<i>For <10, Add</i>	9.11	
			<i>For >50 To 100, Deduct</i>	-4.55	
			<i>For >100 To 200, Deduct</i>	-6.07	
			<i>For >200, Deduct</i>	-12.14	
32 17 23 13-0049	EA		Bike Lane Symbol, Epoxy Reflective Pavement Marking.....	72.56	
			Note: Approximate overall dimensions: 4' width x 8' height.		
			<i>For 20 Mil Thickness, Add</i>	14.28	
32 17 23 13-0050	EA		Railroad Crossing Symbol, Epoxy Reflective Pavement Marking.....	274.00	
			Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
			<i>For 20 Mil Thickness, Add</i>	66.56	
32 17 23 13-0051	EA		Preferential Lane Symbol (Diamond), Epoxy Reflective Pavement Marking.....	83.85	
			Note: Approximate overall dimensions: 3' width x 12' height.		
			<i>For 20 Mil Thickness, Add</i>	16.18	
32 17 23 13-0052	EA		Through Lane Arrow, Epoxy Reflective Pavement Marking.....	89.52	
			Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
			<i>For 20 Mil Thickness, Add</i>	16.17	
32 17 23 13-0053	EA		Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	104.57	
			Note: Approximate overall dimensions: 6' width x 8' height.		
			<i>For 20 Mil Thickness, Add</i>	21.18	
32 17 23 13-0054	EA		Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	154.26	
			Note: Approximate overall dimensions: 11' width x 8' height.		
			<i>For 20 Mil Thickness, Add</i>	36.80	
32 17 23 13-0055	EA		Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....	157.73	
			Note: Approximate overall dimensions: 7' width x 13' height.		
			<i>For 20 Mil Thickness, Add</i>	37.96	
32 17 23 13-0056	EA		Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....	210.44	
			Note: Approximate overall dimensions: 9' width x 15' height.		
			<i>For 20 Mil Thickness, Add</i>	55.03	
32 17 23 13-0057	EA		Elongated Through Lane Arrow, Epoxy Reflective Pavement Marking.....	80.77	
			Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
			<i>For 20 Mil Thickness, Add</i>	10.82	
32 17 23 13-0058	EA		Elongated Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	99.39	
			Note: Approximate overall dimensions: 3' width x 12' height.		
			<i>For 20 Mil Thickness, Add</i>	17.03	
32 17 23 13-0059	EA		Elongated Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	122.53	
			Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
			<i>For 20 Mil Thickness, Add</i>	23.50	
32 17 23 13-0060	EA		Elongated Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....	125.02	
			Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
			<i>For 20 Mil Thickness, Add</i>	24.33	
32 17 23 13-0061	EA		Elongated Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....	192.14	
			Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
			<i>For 20 Mil Thickness, Add</i>	45.96	
32 17 23 13-0062	EA		Lane-Reduction Arrow, Epoxy Reflective Pavement Marking.....	170.88	
			Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
			<i>For 20 Mil Thickness, Add</i>	40.86	
32 17 23 13-0063	EA		Wrong-Way Arrow, Epoxy Reflective Pavement Marking.....	163.15	
			Note: Approximate overall dimensions: 6' width x 24' height.		
			<i>For 20 Mil Thickness, Add</i>	39.27	
32 17 23 13-0064			Painted Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)		
32 17 23 13-0065			Painted Pavement Marking For Parking Areas (32 17 23 13-0064)		
32 17 23 13-0066	LF		Single 4" Wide Solid Line, Painted Pavement Striping for Parking Areas.....	1.02	
32 17 23 13-0067	LF		Single 6" Wide Solid Line, Painted Pavement Striping for Parking Areas.....	1.11	
32 17 23 13-0068	LF		Single 8" Wide Solid Line, Painted Pavement Striping for Parking Areas.....	1.16	
32 17 23 13-0069	LF		Single 12" Wide Solid Line, Painted Pavement Striping for Parking Areas.....	1.30	
32 17 23 13-0070	SF		Solid Area, Painted Pavement Marking For Parking Areas.....	5.48	
			Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0071	EA		6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	3.80	
			<i>For Up To 10, Add</i>	0.53	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 200, Deduct</i>	-0.36	
			<i>For >200, Deduct</i>	-0.71	
32 17 23 13-0072	EA		12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	6.24	
			<i>For Up To 10, Add</i>	0.80	
			<i>For >50 To 100, Deduct</i>	-0.40	
			<i>For >100 To 200, Deduct</i>	-0.53	
			<i>For >200, Deduct</i>	-1.07	
32 17 23 13-0073	EA		24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	10.48	
			<i>For Up To 10, Add</i>	1.33	
			<i>For >50 To 100, Deduct</i>	-0.67	
			<i>For >100 To 200, Deduct</i>	-0.89	
			<i>For >200, Deduct</i>	-1.78	
32 17 23 13-0074	EA		36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	19.68	
			<i>For Up To 10, Add</i>	2.53	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100 To 200, Deduct</i>	-1.69	
			<i>For >200, Deduct</i>	-3.37	
32 17 23 13-0075	EA		42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	26.32	
			<i>For Up To 10, Add</i>	3.46	
			<i>For >50 To 100, Deduct</i>	-1.73	
			<i>For >100 To 200, Deduct</i>	-2.31	
			<i>For >200, Deduct</i>	-4.62	

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

32 17 23 13-0076	EA		48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas <i>For Up To 10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	32.07 4.26 -2.13 -2.84 -5.68	
32 17 23 13-0077	EA		72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas <i>For Up To 10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	42.19 5.33 -2.66 -3.55 -7.10	
32 17 23 13-0078	EA		Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 3-1/2' width x 10' height.	71.16	
32 17 23 13-0079	EA		Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 6' width x 8' height.	79.39	
32 17 23 13-0080	EA		Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 11' width x 8' height.	108.09	
32 17 23 13-0081	EA		Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 7' width x 13' height.	109.99	
32 17 23 13-0082	EA		Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 9' width x 15' height.	139.62	
32 17 23 13-0083	EA		Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping. <i>For Blue Background With White Symbol, Add</i> <i>For Blue Background With White Symbol And Border, Add</i>	30.63 20.25 25.31	
32 17 23 13-0084	EA		Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping. <i>For Blue Background With White Symbol, Add</i> <i>For Blue Background With White Symbol And Border, Add</i>	42.39 38.78 48.48	
32 17 23 13-0085			Painted Curbs <small>(32 17 23 13)</small> Note: All colors.		
32 17 23 13-0086	LF		Reflective Painted Curb	2.36	
32 17 23 13-0087	LF		Reflective Painted Curb And Gutter	4.29	
32 17 23 13-0088	LF		Painted Curb	1.90	
32 17 23 13-0089	LF		Painted Curb And Gutter	3.79	
32 17 23 13-0090			Markings For Outdoor Play Areas, Courts <small>(32 17 23 13)</small>		
32 17 23 13-0091	LF		2" Wide Marking For Outdoor Play Areas	1.02	
32 17 23 13-0092	LF		3" Wide Marking For Outdoor Play Areas	1.15	
32 17 23 13-0093	LF		4" Wide Marking For Outdoor Play Areas	1.29	
32 17 23 13-0094	LF		6" Wide Marking For Outdoor Play Areas	1.50	
32 17 23 13-0095	EA		Paint Playground Game Lines On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera)	297.63	
32 17 23 23			Raised Pavement Markings <small>(32 17 23)</small>		
32 17 23 23-0001			Raised Pavement Markers (RPMs) <small>(32 17 23 23)</small>		
32 17 23 23-0002	EA		One-Way Reflective, Raised Pavement Marker (RPM) <i>For >100, Deduct</i>	4.47 -0.45	3.09
32 17 23 23-0003	EA		Two-Way Reflective, Raised Pavement Marker (RPM) <i>For >100, Deduct</i>	4.66 -0.47	3.09
32 17 23 23-0004	EA		4" Diameter, Non-Reflective, Raised Pavement Marker (RPM) <i>For >100, Deduct</i>	4.22 -0.42	3.09
32 17 23 23-0005			Snowplowable Pavement Markers <small>(32 17 23 23)</small>		
32 17 23 23-0006	EA		One-Way Reflective, Snowplowable Pavement Marker With Center Rail	69.64	34.79
32 17 23 23-0007	EA		Two-Way Reflective, Snowplowable Pavement Marker With Center Rail	69.81	34.79
32 17 23 23-0008	EA		Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	19.83	
32 17 23 23-0009	EA		Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	25.79	
32 17 23 33			Plastic Pavement Markings <small>(32 17 23)</small>		
32 17 23 33-0001			Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads <small>(32 17 23 33)</small> Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 33-0002			Thermoplastic Reflective Pavement Marking <small>(32 17 23 33-0001)</small> Note: 90 mil thickness.		
32 17 23 33-0003	LF		Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i> <i>For 60 mils Thick, Deduct</i> <i>For 125 mils Thick, Add</i> <i>For Broken Line, Deduct</i>	0.96 0.19 -0.14 -0.12 0.16 -0.52	
32 17 23 33-0004	LF		Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i> <i>For 60 mils Thick, Deduct</i> <i>For 125 mils Thick, Add</i> <i>For Broken Line, Deduct</i>	1.36 0.27 -0.20 -0.18 0.23 -0.77	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 17 Paving Specialties**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 17 23 33-0005	LF	Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	1.79
		<i>For Up To 5,000 LF, Add</i>	0.36
		<i>For >25,000 LF, Deduct</i>	-0.27
		<i>For 60 mils Thick, Deduct</i>	-0.24
		<i>For 125 mils Thick, Add</i>	0.31
		<i>For Broken Line, Deduct</i>	-1.03
32 17 23 33-0006	LF	Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	2.60
		<i>For Up To 5,000 LF, Add</i>	0.52
		<i>For >25,000 LF, Deduct</i>	-0.39
		<i>For 60 mils Thick, Deduct</i>	-0.36
		<i>For 125 mils Thick, Add</i>	0.46
		<i>For Broken Line, Deduct</i>	-1.55
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	1.78
		<i>For Up To 5,000 LF, Add</i>	0.36
		<i>For >25,000 LF, Deduct</i>	-0.27
		<i>For 60 mils Thick, Deduct</i>	-0.24
		<i>For 125 mils Thick, Add</i>	0.31
		<i>For Broken Line On One Side, Deduct</i>	-0.51
		<i>For Double Broken Line, Deduct</i>	-1.03
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	2.60
		<i>For Up To 5,000 LF, Add</i>	0.52
		<i>For >25,000 LF, Deduct</i>	-0.39
		<i>For 60 mils Thick, Deduct</i>	-0.36
		<i>For 125 mils Thick, Add</i>	0.46
		<i>For Broken Line On One Side, Deduct</i>	-0.77
		<i>For Double Broken Line, Deduct</i>	-1.55
32 17 23 33-0009	SF	Solid Area, Thermoplastic Reflective Pavement Marking	7.38
		Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	
		<i>For 60 mils Thick, Deduct</i>	-0.36
		<i>For 125 mils Thick, Add</i>	0.46
32 17 23 33-0010	EA	6" High, Letter/Number, Thermoplastic Reflective Pavement Marking	5.02
		<i>For Up To 10, Add</i>	0.60
		<i>For >50 To 100, Deduct</i>	-0.30
		<i>For >100 To 200, Deduct</i>	-0.40
		<i>For >200, Deduct</i>	-0.80
		<i>For 60 mils Thick, Deduct</i>	-0.18
		<i>For 125 mils Thick, Add</i>	0.23
32 17 23 33-0011	EA	12" High, Letter/Number, Thermoplastic Reflective Pavement Marking	9.74
		<i>For Up To 10, Add</i>	0.91
		<i>For >50 To 100, Deduct</i>	-0.45
		<i>For >100 To 200, Deduct</i>	-0.60
		<i>For >200, Deduct</i>	-1.21
		<i>For 60 mils Thick, Deduct</i>	-0.65
		<i>For 125 mils Thick, Add</i>	0.83
32 17 23 33-0012	EA	24" High, Letter/Number, Thermoplastic Reflective Pavement Marking	16.51
		<i>For Up To 10, Add</i>	1.51
		<i>For >50 To 100, Deduct</i>	-0.75
		<i>For >100 To 200, Deduct</i>	-1.00
		<i>For >200, Deduct</i>	-2.01
		<i>For 60 mils Thick, Deduct</i>	-1.13
		<i>For 125 mils Thick, Add</i>	1.46
32 17 23 33-0013	EA	36" High, Letter/Number, Thermoplastic Reflective Pavement Marking	31.53
		<i>For Up To 10, Add</i>	3.02
		<i>For >50 To 100, Deduct</i>	-1.51
		<i>For >100 To 200, Deduct</i>	-2.02
		<i>For >200, Deduct</i>	-4.03
		<i>For 60 mils Thick, Deduct</i>	-1.99
		<i>For 125 mils Thick, Add</i>	2.56
32 17 23 33-0014	EA	48" High, Letter/Number, Thermoplastic Reflective Pavement Marking	37.35
		<i>For Up To 10, Add</i>	3.38
		<i>For >50 To 100, Deduct</i>	-1.69
		<i>For >100 To 200, Deduct</i>	-2.26
		<i>For >200, Deduct</i>	-4.51
		<i>For 60 mils Thick, Deduct</i>	-2.59
		<i>For 125 mils Thick, Add</i>	3.33
32 17 23 33-0015	EA	72" High, Letter/Number, Thermoplastic Reflective Pavement Marking	67.16
		<i>For Up To 10, Add</i>	6.02
		<i>For >50 To 100, Deduct</i>	-3.01
		<i>For >100 To 200, Deduct</i>	-4.01
		<i>For >200, Deduct</i>	-8.03
		<i>For 60 mils Thick, Deduct</i>	-4.73
		<i>For 125 mils Thick, Add</i>	6.08
32 17 23 33-0016	EA	96" High, Letter/Number, Thermoplastic Reflective Pavement Marking	89.46
		<i>For Up To 10, Add</i>	8.08
		<i>For >50 To 100, Deduct</i>	-4.04
		<i>For >100 To 200, Deduct</i>	-5.39
		<i>For >200, Deduct</i>	-10.78
		<i>For 60 mils Thick, Deduct</i>	-6.22
		<i>For 125 mils Thick, Add</i>	8.00
32 17 23 33-0017	EA	120" High, Letter/Number, Thermoplastic Reflective Pavement Marking.....	146.14
		<i>For Up To 10, Add</i>	10.01
		<i>For >50 To 100, Deduct</i>	-5.01
		<i>For >100 To 200, Deduct</i>	-6.68
		<i>For >200, Deduct</i>	-13.35
		<i>For 60 mils Thick, Deduct</i>	-13.89
		<i>For 125 mils Thick, Add</i>	17.86
32 17 23 33-0018	EA	Bike Lane Symbol, Thermoplastic Reflective Pavement Marking	116.63
		Note: Approximate overall dimensions: 4' width x 8' height.	
		<i>For 60 mils Thick, Deduct</i>	-14.20
		<i>For 125 mils Thick, Add</i>	18.25

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0019 EA Railroad Crossing Symbol, Thermoplastic Reflective Pavement Marking 494.39 Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines. For 60 mils Thick, Deduct -70.98 For 125 mils Thick, Add 91.26		
32 17 23 33-0020 EA Preferential Lane Symbol (Diamond), Thermoplastic Reflective Pavement Marking 133.43 Note: Approximate overall dimensions: 3' width x 12' height. For 60 mils Thick, Deduct -15.97 For 125 mils Thick, Add 20.53		
32 17 23 33-0021 EA Through Lane Arrow, Thermoplastic Reflective Pavement Marking 137.73 Note: Approximate overall dimensions: 3-1/2' width x 10' height. For 60 mils Thick, Deduct -15.53 For 125 mils Thick, Add 19.96		
32 17 23 33-0022 EA Turn Lane Arrow, Thermoplastic Reflective Pavement Marking 170.69 Note: Approximate overall dimensions: 6' width x 8' height. For 60 mils Thick, Deduct -21.30 For 125 mils Thick, Add 27.38		
32 17 23 33-0023 EA Dual Turn Lane Arrow, Thermoplastic Reflective Pavement Marking 275.47 Note: Approximate overall dimensions: 11' width x 8' height. For 60 mils Thick, Deduct -39.04 For 125 mils Thick, Add 50.20		
32 17 23 33-0024 EA Turn And Through Lane Arrow, Thermoplastic Reflective Pavement Marking 283.08 Note: Approximate overall dimensions: 7' width x 13' height. For 60 mils Thick, Deduct -40.37 For 125 mils Thick, Add 51.91		
32 17 23 33-0025 EA Dual Turn And Through Lane Arrow, Thermoplastic Reflective Pavement Marking 396.39 Note: Approximate overall dimensions: 9' width x 15' height. For 60 mils Thick, Deduct -59.89 For 125 mils Thick, Add 77.00		
32 17 23 33-0026 EA Elongated Through Lane Arrow, Thermoplastic Reflective Pavement Marking 108.21 Note: Approximate overall dimensions: 1-2/3' width x 12' height. For 60 mils Thick, Deduct -8.84 For 125 mils Thick, Add 11.36		
32 17 23 33-0027 EA Elongated Turn Lane Arrow, Thermoplastic Reflective Pavement Marking 148.97 Note: Approximate overall dimensions: 3' width x 12' height. For 60 mils Thick, Deduct -15.97 For 125 mils Thick, Add 20.53		
32 17 23 33-0028 EA Elongated Dual Turn Lane Arrow, Thermoplastic Reflective Pavement Marking 229.47 Note: Approximate overall dimensions: 5-1/2' width x 12' height. For 60 mils Thick, Deduct -29.28 For 125 mils Thick, Add 37.65		
32 17 23 33-0029 EA Elongated Turn And Through Lane Arrow, Thermoplastic Reflective Pavement Marking 239.61 Note: Approximate overall dimensions: 3-1/2' width x 20' height. For 60 mils Thick, Deduct -31.06 For 125 mils Thick, Add 39.93		
32 17 23 33-0030 EA Elongated Dual Turn And Through Lane Arrow, Thermoplastic Reflective Pavement Marking 343.66 Note: Approximate overall dimensions: 5-1/2' width x 20' height. For 60 mils Thick, Deduct -48.80 For 125 mils Thick, Add 62.74		
32 17 23 33-0031 EA Lane-Reduction Arrow, Thermoplastic Reflective Pavement Marking 308.69 Note: Approximate overall dimensions: 5-1/2' width x 18' height. For 60 mils Thick, Deduct -43.92 For 125 mils Thick, Add 56.47		
32 17 23 33-0032 EA Wrong-Way Arrow, Thermoplastic Reflective Pavement Marking 419.21 Note: Approximate overall dimensions: 6' width x 24' height. For 60 mils Thick, Deduct -63.89 For 125 mils Thick, Add 82.14		
32 17 23 33-0033 Thermoplastic Reflective Pavement Striping By Hand For Repairs (32 17 23 33-0001)		
32 17 23 33-0034 LF Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs 2.56 For 60 mils Thick, Deduct -0.12 For 125 mils Thick, Add 0.16		
32 17 23 33-0035 LF Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs 3.17 For 60 mils Thick, Deduct -0.18 For 125 mils Thick, Add 0.23		
32 17 23 33-0036 LF Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs 3.86 For 60 mils Thick, Deduct -0.24 For 125 mils Thick, Add 0.31		
32 17 23 33-0037 LF Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs 5.51 For 60 mils Thick, Deduct -0.36 For 125 mils Thick, Add 0.46		
32 17 23 33-0038 LF Single 24" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs 9.73 For 60 mils Thick, Deduct -0.72 For 125 mils Thick, Add 0.93		
32 17 23 33-0039 Preformed, Patterned Reflective Pavement Marking Tape (32 17 23 33-0001)		
Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0040 LF Single 4" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping 1.96 For Up To 5,000 LF, Add 0.39 For >25,000 LF, Deduct -0.29		
32 17 23 33-0041 LF Single 6" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping 2.88 For Up To 5,000 LF, Add 0.58 For >25,000 LF, Deduct -0.43		
32 17 23 33-0042 LF Single 8" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping 3.83 For Up To 5,000 LF, Add 0.77 For >25,000 LF, Deduct -0.57		
32 17 23 33-0043 LF Single 12" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping 5.65 For Up To 5,000 LF, Add 1.13 For >25,000 LF, Deduct -0.85		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 17 Paving Specialties**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 17 23 33-0044	SF	Preformed Solid Area, Patterned Thermoplastic Reflective Pavement Marking Tape Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	17.06	
32 17 23 33-0045	EA	6" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	25.12 1.09 -0.55 -0.73 -1.46	
32 17 23 33-0046	EA	12" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	43.18 1.38 -0.69 -0.92 -1.85	
32 17 23 33-0047	EA	24" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	74.97 2.74 -1.37 -1.83 -3.66	
32 17 23 33-0048	EA	36" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	111.49 5.49 -2.74 -3.66 -7.31	
32 17 23 33-0049	EA	48" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	130.09 6.15 -3.08 -4.10 -8.20	
32 17 23 33-0050	EA	72" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	173.09 10.95 -5.47 -7.30 -14.59	
32 17 23 33-0051	EA	96" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	222.30 14.70 -7.35 -9.80 -19.60	
32 17 23 33-0052	EA	120" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	278.19 18.22 -9.11 -12.15 -24.29	
32 17 23 33-0053	SF	Preformed Arrow, Patterned Thermoplastic Reflective Pavement Marking Tape	17.77	
32 17 23 33-0054	SF	Preformed Symbol, Patterned Thermoplastic Reflective Pavement Marking Tape..... Note: Handicap, railroad, diamond symbol, etc.	19.10	

32 17 23 33-0055 Preformed, Thermoplastic Reflective Pavement Marking (32 17 23 33-0001)

Note: Heat applied. (Flint PreMark or HotTape Series).

32 17 23 33-0056	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 4' width x 8' height.	148.80	
32 17 23 33-0057	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	391.24	
32 17 23 33-0058	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 13' height.	93.49	
32 17 23 33-0059	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... Note: Approximate overall dimensions: 2' width x 6' height.	85.61	
32 17 23 33-0060	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	140.73	
32 17 23 33-0061	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... Note: Approximate overall dimensions: 3' width x 4' height.	94.17	
32 17 23 33-0062	EA	8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... Note: Approximate overall dimensions: 6' width x 8' height.	153.19	
32 17 23 33-0063	EA	Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	242.12	
32 17 23 33-0064	EA	Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	349.02	
32 17 23 33-0065	EA	Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 1-2/3' width x 12' height.	149.44	
32 17 23 33-0066	EA	Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 12' height.	161.90	
32 17 23 33-0067	EA	Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... Note: Approximate overall dimensions: 5-1/2' width x 12' height.	270.53	
32 17 23 33-0068	EA	Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/2' width x 20' height.	251.89	
32 17 23 33-0069	EA	Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... Note: Approximate overall dimensions: 5-1/2' width x 20' height.	254.54	
32 17 23 33-0070	EA	Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... Note: Approximate overall dimensions: 5-1/2' width x 18' height.	330.24	

32 17 23 33-0071 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas

(32 17 23 33)

32 17 23 33-0072 Thermoplastic Pavement Marking Tape For Parking Areas (32 17 23 33-0071)

Note: Heat applied. (Flint PreMark Series).

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0073 EA 28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	57.45	
Note: White or blue symbol. Excludes striping.		
32 17 23 33-0074 EA 39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	177.77	
Note: Approximate overall dimensions: 2-2/3" width x 3" height. White or blue symbol. Excludes striping.		
32 17 23 33-0075 EA 40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	108.30	
Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0076 EA 45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	127.67	
Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0077 EA 48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	133.41	
Note: White symbol on blue background. Excludes striping.		
32 17 26 Tactile Warning Surfaces (32 17)		
32 17 26 00-0001 Vitrified Polymer Composite (VPC); (Armor Tile) (32 17 26)		
Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002 SF Surface Applied VPC Truncated Dome Detectable Warning Surface.....	67.39	10.68
Note: Includes surface preparation, adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.		
32 17 26 00-0003 SF Cast In Place VPC Truncated Dome Detectable Warning Surface.....	53.50	10.68
Note: Also raised strips or directional bars. All colors.		
32 17 26 00-0004 Cast Iron Detectable Warning Plates (32 17 26)		
Note: Natural finish.		
32 17 26 00-0005 Embedded, Cast Iron Detectable Warning Plates (32 17 26 00-0004)		
Note: Includes bedding concrete.		
32 17 26 00-0006 SY Embedded, Cast Iron Detectable Warning Plates.....	426.45	
32 18 Athletic And Recreational Surfacing (32 10)		
32 18 16 Synthetic Resilient Surfacing (32 18)		
32 18 16 13 Playground Protective Surfacing (32 18 16)		
32 18 16 13-0001 Tile Playground Surface Material (32 18 16 13)		
Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002 SF 1-3/4" Thick, Resilient Rubber Tile.....	15.84	2.77
For Manufacturer's Standard Colors, Add	0.68	
For Mechanically Fastened, Add	2.06	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0003 SF 2" Thick, Resilient Rubber Tile.....	16.36	2.94
For Manufacturer's Standard Colors, Add	0.68	
For Mechanically Fastened, Add	2.17	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0004 SF 2-1/4" Thick, Resilient Rubber Tile.....	17.40	3.28
For Manufacturer's Standard Colors, Add	0.68	
For Mechanically Fastened, Add	2.37	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0005 SF 2-1/2" Thick, Resilient Rubber Tile.....	18.44	3.64
For Manufacturer's Standard Colors, Add	0.68	
For Mechanically Fastened, Add	2.58	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0006 SF 2-3/4" Thick, Resilient Rubber Tile.....	20.45	3.98
For Manufacturer's Standard Colors, Add	0.51	
For Mechanically Fastened, Add	2.79	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0007 SF 3" Thick, Resilient Rubber Tile.....	21.59	4.36
For Manufacturer's Standard Colors, Add	0.51	
For Mechanically Fastened, Add	3.02	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0008 SF 3-1/4" Thick, Resilient Rubber Tile.....	22.79	4.76
For Manufacturer's Standard Colors, Add	0.51	
For Mechanically Fastened, Add	3.26	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0009 SF 3-1/2" Thick, Resilient Rubber Tile.....	24.87	5.09
For Manufacturer's Standard Colors, Add	0.28	
For Mechanically Fastened, Add	3.48	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0010 SF 3-3/4" Thick, Resilient Rubber Tile.....	25.91	5.51
For Manufacturer's Standard Colors, Add	0.28	
For Mechanically Fastened, Add	3.68	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0011 SF 4" Thick, Resilient Rubber Tile.....	27.06	5.82
For Manufacturer's Standard Colors, Add	0.28	
For Mechanically Fastened, Add	3.91	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0012 SF 4-1/2" Thick, Resilient Rubber Tile.....	30.87	6.55
For Manufacturer's Standard Colors, Add	0.28	
For Mechanically Fastened, Add	4.35	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0013			Loose Laid Playground Surface Material (32 18 16 13) Note: Excludes sub base.		
32 18 16 13-0014	SF		3" Loose Laid Wood Fiber Safety Surface	1.65	0.42
32 18 16 13-0015	SF		6" Loose Laid Wood Fiber Safety Surface	2.13	0.52
32 18 16 13-0016	SF		9" Loose Laid Wood Fiber Safety Surface	2.65	0.62
32 18 16 13-0017	SF		12" Loose Laid Wood Fiber Safety Surface	3.77	0.94
32 18 16 13-0018	SF		3" Loose Laid Synthetic Fiber Safety Surface.....	2.87	0.42
32 18 16 13-0019	SF		6" Loose Laid Synthetic Fiber Safety Surface.....	3.55	0.52
32 18 16 13-0020	SF		9" Loose Laid Synthetic Fiber Safety Surface.....	5.40	0.62
32 18 16 13-0021	SF		12" Loose Laid Synthetic Fiber Safety Surface.....	6.79	0.94
32 18 16 13-0022	SF		8" FIBAR System.....	11.37	1.56
			Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.		
32 18 16 13-0023	SF		12" FIBAR System	14.51	2.08
			Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		
32 18 16 13-0024			Poured In Place Playground Surfacing (32 18 16 13) Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.		
32 18 16 13-0025	SF		Up To 4' Critical Fall Height (1-3/4") Poured In Place Rubber Playground Surfacing	15.12	3.11
			For Up To 2,000, Add	3.90	
			For >2,000 To 3,000, Add	2.73	
			For >3,000 To 4,000, Add	1.84	
			For >4,000 To 5,000, Add	1.17	
			For >5,000 To 7,000, Add	0.48	
			For Aliphatic (Non Yellowing) Binder, Add	2.36	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0026	SF		5' Critical Fall Height (2") Poured In Place Rubber Playground Surfacing	15.59	3.45
			For Up To 2,000, Add	4.03	
			For >2,000 To 3,000, Add	2.81	
			For >3,000 To 4,000, Add	1.90	
			For >4,000 To 5,000, Add	1.21	
			For >5,000 To 7,000, Add	0.49	
			For Aliphatic (Non Yellowing) Binder, Add	2.36	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0027	SF		6' Critical Fall Height (2-1/2") Poured In Place Rubber Playground Surfacing	16.83	3.94
			For Up To 2,000, Add	4.34	
			For >2,000 To 3,000, Add	3.03	
			For >3,000 To 4,000, Add	2.05	
			For >4,000 To 5,000, Add	1.30	
			For >5,000 To 7,000, Add	0.53	
			For Aliphatic (Non Yellowing) Binder, Add	2.36	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0028	SF		7' Critical Fall Height (3") Poured In Place Rubber Playground Surfacing	18.18	4.20
			For Up To 2,000, Add	4.69	
			For >2,000 To 3,000, Add	3.28	
			For >3,000 To 4,000, Add	2.21	
			For >4,000 To 5,000, Add	1.41	
			For >5,000 To 7,000, Add	0.57	
			For Aliphatic (Non Yellowing) Binder, Add	2.36	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0029	SF		8' Critical Fall Height (3-1/2") Poured In Place Rubber Playground Surfacing	19.52	4.41
			For Up To 2,000, Add	5.04	
			For >2,000 To 3,000, Add	3.52	
			For >3,000 To 4,000, Add	2.38	
			For >4,000 To 5,000, Add	1.51	
			For >5,000 To 7,000, Add	0.62	
			For Aliphatic (Non Yellowing) Binder, Add	2.36	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0030	SF		9' Critical Fall Height (4") Poured In Place Rubber Playground Surfacing	20.66	4.66
			For Up To 2,000, Add	5.33	
			For >2,000 To 3,000, Add	3.72	
			For >3,000 To 4,000, Add	2.52	
			For >4,000 To 5,000, Add	1.60	
			For >5,000 To 7,000, Add	0.65	
			For Aliphatic (Non Yellowing) Binder, Add	2.36	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0031	SF		10' Critical Fall Height (4-1/2") Poured In Place Rubber Playground Surfacing	22.02	4.92
			For Up To 2,000, Add	5.69	
			For >2,000 To 3,000, Add	3.97	
			For >3,000 To 4,000, Add	2.68	
			For >4,000 To 5,000, Add	1.70	
			For >5,000 To 7,000, Add	0.70	
			For Aliphatic (Non Yellowing) Binder, Add	2.36	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0032	SF		12' Critical Fall Height (5-1/2") Poured In Place Rubber Playground Surfacing	24.68	5.52
			For Up To 2,000, Add	6.37	
			For >2,000 To 3,000, Add	4.45	
			For >3,000 To 4,000, Add	3.00	
			For >4,000 To 5,000, Add	1.91	
			For >5,000 To 7,000, Add	0.78	
			For Aliphatic (Non Yellowing) Binder, Add	2.36	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0033	SF		Top Only (1/2") Poured In Place Playground Surfacing..... Note: Not used with new surfacing system tasks.	9.88	
			<i>For Up To 2,000, Add</i>	3.94	
			<i>For >2,000 To 3,000, Add</i>	2.52	
			<i>For >3,000 To 4,000, Add</i>	1.52	
			<i>For >4,000 To 5,000, Add</i>	0.91	
			<i>For >5,000 To 7,000, Add</i>	0.41	
			<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.36	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.31	
32 18 16 13-0034	EA		Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing.....	3,063.11	
32 18 16 13-0035			Synthetic Playground Turf (Sporturf) <small>(32 18 16 13)</small> Note: Excludes base preparation, aggregate, or drainage.		
32 18 16 13-0036	SF		60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929).....	7.18	
32 18 16 13-0037	SF		71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906).....	6.48	
32 18 16 13-0038	SF		2" Foam Padding (Sporturf).....	4.35	
32 18 16 13-0039	CF		Sand/Ruber Infill (Sporturf).....	56.97	
32 18 23			Athletic Surfacing <small>(32 18)</small>		
32 18 23 29			Synthetic Field Sport Surfacing <small>(32 18 23)</small>		
32 18 23 29-0001			Synthetic Field Sport Surfacing <small>(32 18 23 29)</small>		
32 18 23 29-0002			Synthetic Turf (AstroTurf) <small>(32 18 23 29-0001)</small> Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0003			Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0004			38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0005	SF		38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38).....	4.28	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0006	EA		Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	15,125.35	
32 18 23 29-0007	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	12,328.59	
32 18 23 29-0008	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields..... Note: Per sport.	3,709.99	
32 18 23 29-0009	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields..... Note: Per letter. Excludes outline.	1,369.84	
32 18 23 29-0010	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields..... Note: Per endzone.	1,312.77	
32 18 23 29-0011	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields..... Note: Block letter.	11,415.36	
32 18 23 29-0012	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields..... Note: Graphic.	16,552.27	
32 18 23 29-0013			41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0014	SF		41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41).....	4.87	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0015	EA		Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	15,410.83	
32 18 23 29-0016	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	12,785.28	
32 18 23 29-0017	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields..... Note: Per sport.	3,995.40	
32 18 23 29-0018	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields..... Note: Per letter. Excludes outline.	1,484.01	
32 18 23 29-0019	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields..... Note: Per endzone.	1,369.85	
32 18 23 29-0020	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields..... Note: Block letter.	11,986.20	
32 18 23 29-0021	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields..... Note: Graphic.	17,379.99	
32 18 23 29-0022			45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0023	SF		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45).....	5.00	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0024	EA		Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	15,696.21	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 18 23 29-0025	EA Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	13,812.67	
32 18 23 29-0026	EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	4,280.79	
	Note: Per sport.		
32 18 23 29-0027	EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields	1,598.16	
	Note: Per letter. Excludes outline.		
32 18 23 29-0028	EA Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields.....	1,426.93	
	Note: Per endzone.		
32 18 23 29-0029	EA Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields	12,556.97	
	Note: Block letter.		
32 18 23 29-0030	EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields	18,207.61	
	Note: Graphic.		
32 18 23 29-0031	Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) (32 18 23 29-0002)		
32 18 23 29-0032	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) (32 18 23 29-0031)		
32 18 23 29-0033	SF 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	5.81	
	For Ambient Rubber And Sand Infill, Add	0.10	
	For Cryo Rubber Infill, Add	0.20	
	For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
	For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0034	EA Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	16,266.89	
32 18 23 29-0035	EA Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	17,351.35	
32 18 23 29-0036	EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	4,851.53	
	Note: Per sport.		
32 18 23 29-0037	EA Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	1,826.46	
	Note: Per letter. Excludes outline.		
32 18 23 29-0038	EA Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	1,541.07	
	Note: Per endzone.		
32 18 23 29-0039	EA Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	13,698.43	
	Note: Block letter.		
32 18 23 29-0040	EA Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields	19,862.73	
	Note: Graphic.		
32 18 23 29-0041	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) (32 18 23 29-0031)		
32 18 23 29-0042	SF 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	6.07	
	For Ambient Rubber And Sand Infill, Add	0.10	
	For Cryo Rubber Infill, Add	0.20	
	For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
	For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0043	EA Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	16,552.27	
32 18 23 29-0044	EA Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	19,291.96	
32 18 23 29-0045	EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	5,136.91	
	Note: Per sport.		
32 18 23 29-0046	EA Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	1,940.61	
	Note: Per letter. Excludes outline.		
32 18 23 29-0047	EA Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	1,598.15	
	Note: Per endzone.		
32 18 23 29-0048	EA Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	14,269.20	
	Note: Block letter.		
32 18 23 29-0049	EA Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields	20,690.34	
	Note: Graphic.		
32 18 23 29-0050	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) (32 18 23 29-0031)		
32 18 23 29-0051	SF 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	6.08	
	For Ambient Rubber And Sand Infill, Add	0.10	
	For Cryo Rubber Infill, Add	0.20	
	For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
	For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0052	EA Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	16,837.66	
32 18 23 29-0053	EA Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	19,406.11	
32 18 23 29-0054	EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	5,422.30	
	Note: Per sport.		
32 18 23 29-0055	EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields.....	2,054.76	
	Note: Per letter. Excludes outline.		
32 18 23 29-0056	EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields	1,655.23	
	Note: Per endzone.		
32 18 23 29-0057	EA Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	14,839.97	
	Note: Block letter.		
32 18 23 29-0058	EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	21,517.95	
	Note: Graphic.		
32 18 23 29-0059	60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) (32 18 23 29-0031)		

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

32 18 23 29-0060	SF			60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60).....	6.23	
				<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
				<i>For Cryo Rubber Infill, Add</i>	0.20	
				<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
				<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0061	EA			Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	17,123.04	
32 18 23 29-0062	EA			Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	20,661.80	
32 18 23 29-0063	EA			Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	5,707.68	
				Note: Per sport.		
32 18 23 29-0064	EA			Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields.....	2,283.07	
				Note: Per letter. Excludes outline.		
32 18 23 29-0065	EA			Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields.....	1,712.30	
				Note: Per endzone.		
32 18 23 29-0066	EA			Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	15,410.74	
				Note: Block letter.		
32 18 23 29-0067	EA			Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	22,345.57	
				Note: Graphic.		
32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) (32 18 23 29-0002)						
32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) (32 18 23 29-0068)						
32 18 23 29-0070	SF			38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38).....	4.61	
				<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
				<i>For Cryo Rubber Infill, Add</i>	0.26	
				<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
				<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0071	EA			Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	14,554.67	
32 18 23 29-0072	EA			Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	10,730.50	
32 18 23 29-0073	EA			Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	3,139.24	
				Note: Per sport.		
32 18 23 29-0074	EA			Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,141.54	
				Note: Per letter. Excludes outline.		
32 18 23 29-0075	EA			Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,198.62	
				Note: Per endzone.		
32 18 23 29-0076	EA			Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	10,273.89	
				Note: Block letter.		
32 18 23 29-0077	EA			Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	14,897.13	
				Note: Graphic.		
32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) (32 18 23 29-0068)						
32 18 23 29-0079	SF			42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42).....	4.09	
				<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
				<i>For Cryo Rubber Infill, Add</i>	0.26	
				<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
				<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0080	EA			Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	14,839.97	
32 18 23 29-0081	EA			Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	11,415.36	
32 18 23 29-0082	EA			Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	3,424.61	
				Note: Per sport.		
32 18 23 29-0083	EA			Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,255.69	
				Note: Per letter. Excludes outline.		
32 18 23 29-0084	EA			Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,255.69	
				Note: Per endzone.		
32 18 23 29-0085	EA			Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	10,844.59	
				Note: Block letter.		
32 18 23 29-0086	EA			Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	15,724.66	
				Note: Graphic.		
32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) (32 18 23 29-0002)						
32 18 23 29-0088	SF			Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	9.60	
32 18 23 29-0089	SF			Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®).....	8.44	
32 18 23 29-0090	EA			Football Markings For AstroTurf® PureGrass® Fields.....	28,163.68	
32 18 23 29-0091	EA			Baseball Markings For AstroTurf® PureGrass® Fields.....	33,459.41	
32 18 23 29-0092	EA			Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields.....	8,184.32	
				Note: Per sport.		
32 18 23 29-0093	EA			Endzone Lettering For AstroTurf® PureGrass® Fields.....	3,129.30	
				Note: Per letter. Excludes outline.		
32 18 23 29-0094	EA			Colored Endzone For AstroTurf® PureGrass® Fields.....	2,322.78	
				Note: Per endzone.		
32 18 23 29-0095	EA			Simple Logo For AstroTurf® PureGrass® Fields.....	20,905.00	
				Note: Block letter.		
32 18 23 29-0096	EA			Deluxe Logo For AstroTurf® PureGrass® Fields.....	30,691.19	
				Note: Graphic.		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 18 23 29-0097	Synthetic Turf (G9 Turf) <small>(32 18 23 29-0001)</small>		
	Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098	SF 2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf)	6.87	
	Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.		
	<i>For >35,000, Deduct</i>	-0.66	
32 18 23 29-0099	SF 2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf)	6.82	
	Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.		
	<i>For >35,000, Deduct</i>	-0.66	
32 18 23 29-0100	SF 1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf)	7.06	
	Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0101	EA Football Inlays For G9 Synthetic Turf	38,933.73	
	Note: Includes field grid, numbers, arrows, coach's box and kick off lines.		
32 18 23 29-0102	EA Soccer Inlays For G9 Synthetic Turf	16,871.28	
32 18 23 29-0103	EA Boys Lacrosse Inlays For G9 Synthetic Turf	16,871.28	
32 18 23 29-0104	EA Girls Lacrosse Inlays For G9 Synthetic Turf	16,871.28	
32 18 23 29-0105	EA Field Hockey Inlays For G9 Synthetic Turf	16,871.28	
32 18 23 29-0106	EA Endzone Lettering For G9 Synthetic Turf	1,946.69	
	Note: Priced per letter. Includes single color outlining.		
32 18 23 29-0107	SF Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	1.82	
32 18 23 29-0108	SF Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf	4.76	
32 18 23 29-0109	SF Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	1.36	
32 18 23 29-0110	SF Sand Infill For G9 Synthetic Turf	0.69	
32 18 23 29-0111	SF Acrylic Coated Sand Infill For G9 Synthetic Turf	1.13	
32 18 23 29-0112	EA Gmax Compaction And Hardness Test For G9 Synthetic Turf	1,297.79	
	Note: Includes a comprehensive report.		
32 18 23 29-0113	EA Safety Bridge Over Track For G9 Synthetic Turf	12,977.91	
32 18 23 29-0114	SF Clean And Groom Synthetic Turf	0.43	
	Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.		
	<i>For >10,000 To 30,000, Deduct</i>	-0.17	
	<i>For >30,000 To 60,000, Deduct</i>	-0.30	
	<i>For >60,000, Deduct</i>	-0.33	
32 18 23 29-0115	SF Rejuvenate Synthetic Turf And Reinstall Existing Infill	2.91	
	Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.		
32 18 23 29-0116	SF Rejuvenate Synthetic Turf For Installation Of New Infill	3.23	
	Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.		
32 18 23 29-0117	SF Drainage Layer For G9 Synthetic Turf	2.65	
	Note: Used for drainage over asphalt or on roof tops.		
32 18 23 29-0118	SF 15 mm, Shock Pad For G9 Synthetic Turf	1.63	
	Note: Used for additional Gmax for a stone base field.		
32 18 23 29-0119	EA Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf	2,586.40	
	Note: Includes field inspection and report.		
32 18 23 29-0120	LF Repair Inlay Lines Or Seams On G9 Synthetic Turf	7.11	
	Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.		
32 18 23 29-0121	LF Nailers Used To Attach G9 Synthetic Turf	2.84	
32 18 23 29-0122	SF Removal And Recycling Of Existing Field	2.00	
	Note: Includes removal, shipping and recycling of infill, fibers and backing.		

32 30 Site Improvements (32)**32 31 Fences And Gates** (32 30)**32 31 11 Gate Operators** (32 31)

32 31 11 00-0001	Gate Operators <small>(32 31 11)</small>		
	Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002	Swing Gate Actuator <small>(32 31 11 00-0001)</small>		
32 31 11 00-0003	Single Gate, Swing Gate Actuator <small>(32 31 11 00-0002)</small>		
32 31 11 00-0004	EA Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	1,246.16	255.60
	Note: Includes one primary operator with a 10' wide gate capacity.		
32 31 11 00-0005	EA Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	1,564.63	255.60
	Note: Includes one primary operator with a 14' wide gate capacity.		
32 31 11 00-0006	Dual Gate, Swing Gate Actuator <small>(32 31 11 00-0002)</small>		
32 31 11 00-0007	EA Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	2,492.32	511.22
	Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.		
32 31 11 00-0008	EA Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	3,129.27	511.22
	Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.		
32 31 11 00-0009	Swing Gate Operators <small>(32 31 11 00-0001)</small>		
32 31 11 00-0010	Single Gate, Swing Gate Operators <small>(32 31 11 00-0009)</small>		
32 31 11 00-0011	EA 400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050)	2,242.41	255.60
	Note: Includes one primary operator with a 10' wide and 400# gate capacity.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0012	EA		500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100).....	2,413.90	255.60
			Note: Includes one primary operator with a 14' wide and 500# gate capacity.		
32 31 11 00-0013	EA		700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	3,173.34	255.60
			Note: Includes one primary operator with an 18' wide and 700# gate capacity.		
			For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0014	EA		800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	3,557.14	255.60
			Note: Includes one primary operator with a 22' wide and 800# gate capacity.		
			For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0015			Dual Gate, Swing Gate Operators (32 31 11 00-0009)		
32 31 11 00-0016	EA		400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050).....	4,035.69	511.22
			Note: Includes one primary and one secondary operator each with a 10' wide and 400# gate capacity.		
32 31 11 00-0017	EA		500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100).....	4,378.67	511.22
			Note: Includes one primary and one secondary operator each with a 14' wide and 500# gate capacity.		
32 31 11 00-0018	EA		700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	5,889.38	511.22
			Note: Includes one primary and one secondary operator each with an 18' wide and 700# gate capacity.		
			For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0019	EA		800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	6,730.47	511.22
			Note: Includes one primary and one secondary operator each with a 22' wide and 800# gate capacity.		
			For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0020			Sliding Gate Operators (32 31 11 00-0001)		
			Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.		
32 31 11 00-0021	EA		300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050).....	1,858.61	255.60
			Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0022	EA		1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100).....	2,573.30	306.73
			Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0023	EA		1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150).....	3,144.92	306.73
			Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
32 31 11 00-0024	EA		3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210).....	4,084.18	357.85
			Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0025	EA		2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220).....	4,966.10	357.85
			Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0026	EA		5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230).....	6,734.21	408.97
			Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0027	EA		5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530).....	11,107.10	408.97
			Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0028	EA		10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550).....	18,705.74	460.10
			Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0029			Accessories For Gate Actuators And Operators (32 31 11 00-0001)		
32 31 11 00-0030	EA		Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410).....	520.76	
32 31 11 00-0031	EA		Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409).....	1,024.37	
32 31 11 00-0032	EA		Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601).....	531.13	
32 31 11 00-0033	EA		Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031).....	625.20	
32 31 11 00-0034	EA		Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020).....	576.21	
32 31 11 00-0035	EA		Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310).....	457.80	
32 31 11 00-0036	LF		#40 Chain For Sliding Gate Operators.....	6.33	
32 31 11 00-0037	LF		#41 Chain For Sliding Gate Operators.....	5.10	
32 31 11 00-0038	LF		#50 Chain For Sliding Gate Operators.....	7.01	
32 31 11 00-0039	LF		#60 Chain For Sliding Gate Operators.....	6.67	
32 31 13			Chain Link Fences And Gates (32 31)		
32 31 13 13			Chain Link Fences And Gates (32 31 13)		
32 31 13 13-0001			Post Holes (32 31 13 13)		
			Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0139 for core drilling in asphalt.		
32 31 13 13-0002			Auger By Machine Fence Post Hole In Soil (32 31 13 13-0001)		
32 31 13 13-0003	VLF		Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	10.14	
32 31 13 13-0004	VLF		2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	11.40	
32 31 13 13-0005	VLF		3" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	13.51	
32 31 13 13-0006	VLF		4" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	15.20	
32 31 13 13-0007	VLF		6" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	16.58	
32 31 13 13-0008	VLF		8" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	18.24	
32 31 13 13-0009	VLF		10" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	20.27	
32 31 13 13-0010	VLF		12" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	22.80	
32 31 13 13-0011	VLF		18" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	26.06	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	30.40	
32 31	13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	36.49	
32 31	13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	45.60	
32 31	13 13-0015		Post Hole In Rock (32 31 13 13-0001)		
32 31	13 13-0016	CF	Jackhammer Post Hole In Rock.....	81.97	
32 31	13 13-0017	CF	Rock Drill Post Hole In Rock.....	20.70	
32 31	13 13-0018		Fill For Post Holes (32 31 13 13-0001)		
32 31	13 13-0019		Concrete Fill For Post Holes (32 31 13 13-0018)		
32 31	13 13-0020	VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole	6.06	
32 31	13 13-0021	VLF	2-1/2" Diameter, Concrete Fill For Post Hole.....	7.80	
32 31	13 13-0022	VLF	3" Diameter, Concrete Fill For Post Hole.....	8.51	
32 31	13 13-0023	VLF	4" Diameter, Concrete Fill For Post Hole.....	9.58	
32 31	13 13-0024	VLF	6" Diameter, Concrete Fill For Post Hole.....	13.39	
32 31	13 13-0025	VLF	8" Diameter, Concrete Fill For Post Hole.....	17.87	
32 31	13 13-0026	VLF	10" Diameter, Concrete Fill For Post Hole.....	21.78	
32 31	13 13-0027	VLF	12" Diameter, Concrete Fill For Post Hole.....	25.28	
32 31	13 13-0028	VLF	18" Diameter, Concrete Fill For Post Hole.....	33.86	
32 31	13 13-0029	VLF	24" Diameter, Concrete Fill For Post Hole.....	41.41	
32 31	13 13-0030	VLF	30" Diameter, Concrete Fill For Post Hole.....	48.72	
32 31	13 13-0031	VLF	36" Diameter, Concrete Fill For Post Hole.....	56.24	
32 31	13 13-0032		Grout Fill For Post Holes (32 31 13 13-0018)		
32 31	13 13-0033	VLF	Up To 2-1/2" Diameter, Grout Fill For Post Hole.....	7.36	
32 31	13 13-0034	VLF	2-1/2" Diameter, Grout Fill For Post Hole.....	9.51	
32 31	13 13-0035	VLF	3" Diameter, Grout Fill For Post Hole.....	10.27	
32 31	13 13-0036	VLF	4" Diameter, Grout Fill For Post Hole.....	11.34	
32 31	13 13-0037	VLF	6" Diameter, Grout Fill For Post Hole.....	15.68	
32 31	13 13-0038	VLF	8" Diameter, Grout Fill For Post Hole.....	20.93	
32 31	13 13-0039	VLF	10" Diameter, Grout Fill For Post Hole.....	25.42	
32 31	13 13-0040	VLF	12" Diameter, Grout Fill For Post Hole.....	29.38	
32 31	13 13-0041	VLF	18" Diameter, Grout Fill For Post Hole.....	38.64	
32 31	13 13-0042	VLF	24" Diameter, Grout Fill For Post Hole.....	46.54	
32 31	13 13-0043	VLF	30" Diameter, Grout Fill For Post Hole.....	54.13	
32 31	13 13-0044	VLF	36" Diameter, Grout Fill For Post Hole.....	61.81	
32 31	13 13-0045		Compacted Earth Fill For Post Holes (32 31 13 13-0018)		
32 31	13 13-0046	VLF	Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	5.68	
32 31	13 13-0047	VLF	2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	7.41	
32 31	13 13-0048	VLF	3" Diameter, Compacted Earth Fill For Post Hole.....	7.75	
32 31	13 13-0049	VLF	4" Diameter, Compacted Earth Fill For Post Hole.....	7.98	
32 31	13 13-0050	VLF	6" Diameter, Compacted Earth Fill For Post Hole.....	10.65	
32 31	13 13-0051	VLF	8" Diameter, Compacted Earth Fill For Post Hole.....	14.20	
32 31	13 13-0052	VLF	10" Diameter, Compacted Earth Fill For Post Hole.....	17.03	
32 31	13 13-0053	VLF	12" Diameter, Compacted Earth Fill For Post Hole.....	19.31	
32 31	13 13-0054	VLF	18" Diameter, Compacted Earth Fill For Post Hole.....	23.54	
32 31	13 13-0055	VLF	24" Diameter, Compacted Earth Fill For Post Hole.....	26.41	
32 31	13 13-0056	VLF	30" Diameter, Compacted Earth Fill For Post Hole.....	28.97	
32 31	13 13-0057	VLF	36" Diameter, Compacted Earth Fill For Post Hole.....	31.24	
32 31	13 13-0058		Chain Link Fence Assemblies (32 31 13 13)		
32 31	13 13-0059		Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts (32 31 13 13-0058)		
			Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0605 for barb wire attachments.		
32 31	13 13-0060		Galvanized (32 31 13 13-0059)		
32 31	13 13-0061	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	28.82	4.15
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.25	
			For 13 Gauge Fabric, Deduct	-4.36	
			For 11 Gauge Fabric, Deduct	-2.55	
			For 6 Gauge Fabric, Add	4.01	
			For 1" Mesh Fabric, Add	5.46	
			For 1-3/4" Mesh Fabric, Add	2.19	
			For 2-1/8" Mesh Fabric, Deduct	-1.09	
			For 2-3/8" Mesh Fabric, Deduct	-1.46	
			For Posts 8' On Centers, Add	1.64	
			For Posts 5' On Centers, Add	6.24	
			For Up To 100, Add	5.95	
			For >100 To 250, Add	2.25	
			For >2,500 To 5,000, Deduct	-1.13	
			For >5,000, Deduct	-2.25	
			For 3/8" Non-Climbable Mesh, Add	20.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0062	LF		3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	29.78	4.15
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.31	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.61	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.69	
			<i>For 6 Gauge Fabric, Add</i>	4.23	
			<i>For 1" Mesh Fabric, Add</i>	5.77	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.31	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.15	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.54	
			<i>For Posts 8' On Centers, Add</i>	1.69	
			<i>For Posts 5' On Centers, Add</i>	6.43	
			<i>For Up To 100, Add</i>	6.12	
			<i>For >100 To 250, Add</i>	2.31	
			<i>For >2,500 To 5,000, Deduct</i>	-1.16	
			<i>For >5,000, Deduct</i>	-2.31	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	23.27	
32 31 13 13-0063	LF		4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	30.63	4.15
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.37	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.82	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.81	
			<i>For 6 Gauge Fabric, Add</i>	4.42	
			<i>For 1" Mesh Fabric, Add</i>	6.03	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.41	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.21	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.61	
			<i>For Posts 8' On Centers, Add</i>	1.73	
			<i>For Posts 5' On Centers, Add</i>	6.60	
			<i>For Up To 100, Add</i>	6.27	
			<i>For >100 To 250, Add</i>	2.37	
			<i>For >2,500 To 5,000, Deduct</i>	-1.19	
			<i>For >5,000, Deduct</i>	-2.37	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	26.10	
32 31 13 13-0064	LF		5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	32.59	4.15
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.49	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.31	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.10	
			<i>For 6 Gauge Fabric, Add</i>	4.88	
			<i>For 1" Mesh Fabric, Add</i>	6.65	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.66	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.33	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.77	
			<i>For Posts 8' On Centers, Add</i>	1.84	
			<i>For Posts 5' On Centers, Add</i>	6.99	
			<i>For Up To 100, Add</i>	6.62	
			<i>For >100 To 250, Add</i>	2.49	
			<i>For >2,500 To 5,000, Deduct</i>	-1.25	
			<i>For >5,000, Deduct</i>	-2.49	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	31.19	
32 31 13 13-0065	LF		6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	35.17	4.15
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.68	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.82	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.40	
			<i>For 6 Gauge Fabric, Add</i>	5.34	
			<i>For 1" Mesh Fabric, Add</i>	7.28	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.91	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.46	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.94	
			<i>For Posts 8' On Centers, Add</i>	1.98	
			<i>For Posts 5' On Centers, Add</i>	7.53	
			<i>For Up To 100, Add</i>	7.12	
			<i>For >100 To 250, Add</i>	2.68	
			<i>For >2,500 To 5,000, Deduct</i>	-1.34	
			<i>For >5,000, Deduct</i>	-2.68	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	36.33	
32 31 13 13-0066	LF		7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	36.63	6.22
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.79	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.08	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.55	
			<i>For 6 Gauge Fabric, Add</i>	5.58	
			<i>For 1" Mesh Fabric, Add</i>	7.61	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.05	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.52	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.03	
			<i>For Posts 8' On Centers, Add</i>	2.06	
			<i>For Posts 5' On Centers, Add</i>	7.84	
			<i>For Up To 100, Add</i>	7.41	
			<i>For >100 To 250, Add</i>	2.79	
			<i>For >2,500 To 5,000, Deduct</i>	-1.39	
			<i>For >5,000, Deduct</i>	-2.79	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	41.61	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0067	LF	8'	Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	40.69	7.27
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.05	
			<i>For 13 Gauge Fabric, Deduct</i>	-7.06	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.12	
			<i>For 6 Gauge Fabric, Add</i>	6.48	
			<i>For 1" Mesh Fabric, Add</i>	8.84	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.54	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.77	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.36	
			<i>For Posts 8' On Centers, Add</i>	2.28	
			<i>For Posts 5' On Centers, Add</i>	8.65	
			<i>For Up To 100, Add</i>	8.14	
			<i>For >100 To 250, Add</i>	3.05	
			<i>For >2,500 To 5,000, Deduct</i>	-1.53	
			<i>For >5,000, Deduct</i>	-3.05	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	46.98	
32 31 13 13-0068	LF	9'	Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	43.25	9.33
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.23	
			<i>For 13 Gauge Fabric, Deduct</i>	-7.61	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.45	
			<i>For 6 Gauge Fabric, Add</i>	6.99	
			<i>For 1" Mesh Fabric, Add</i>	9.53	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.81	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.91	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.54	
			<i>For Posts 8' On Centers, Add</i>	2.42	
			<i>For Posts 5' On Centers, Add</i>	9.17	
			<i>For Up To 100, Add</i>	8.62	
			<i>For >100 To 250, Add</i>	3.23	
			<i>For >2,500 To 5,000, Deduct</i>	-1.61	
			<i>For >5,000, Deduct</i>	-3.23	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	51.53	
32 31 13 13-0069	LF	10'	Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	45.82	10.37
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.41	
			<i>For 13 Gauge Fabric, Deduct</i>	-8.17	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.77	
			<i>For 6 Gauge Fabric, Add</i>	7.50	
			<i>For 1" Mesh Fabric, Add</i>	10.23	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.09	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.05	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.73	
			<i>For Posts 8' On Centers, Add</i>	2.56	
			<i>For Posts 5' On Centers, Add</i>	9.70	
			<i>For Up To 100, Add</i>	9.10	
			<i>For >100 To 250, Add</i>	3.41	
			<i>For >2,500 To 5,000, Deduct</i>	-1.70	
			<i>For >5,000, Deduct</i>	-3.41	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	56.34	
32 31 13 13-0070	LF	12'	Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	50.61	12.45
			<i>For Each Additional Foot >12, Add</i>	4.17	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.74	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.19	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.37	
			<i>For 6 Gauge Fabric, Add</i>	8.43	
			<i>For 1" Mesh Fabric, Add</i>	11.50	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.60	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.30	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.07	
			<i>For Posts 8' On Centers, Add</i>	2.82	
			<i>For Posts 5' On Centers, Add</i>	10.68	
			<i>For Up To 100, Add</i>	10.01	
			<i>For >100 To 250, Add</i>	3.74	
			<i>For >2,500 To 5,000, Deduct</i>	-1.87	
			<i>For >5,000, Deduct</i>	-3.74	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	61.11	
32 31 13 13-0071			Vinyl Coated (32 31 13 13-0059)		
32 31 13 13-0072	LF	4'	Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	31.59	4.15
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.22	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.42	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.15	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.01	
			<i>For 6 Gauge Fabric, Add</i>	4.73	
			<i>For 1" Mesh Fabric, Add</i>	6.45	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.58	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.29	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.72	
			<i>For Posts 8' On Centers, Add</i>	1.78	
			<i>For Posts 5' On Centers, Add</i>	6.78	
			<i>For Up To 100, Add</i>	6.42	
			<i>For >100 To 250, Add</i>	2.42	
			<i>For >2,500 To 5,000, Deduct</i>	-1.21	
			<i>For >5,000, Deduct</i>	-2.42	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	28.85	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 13 13-0073	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	33.81		4.15
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.48		
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.56		
		<i>For 13 Gauge Fabric, Deduct</i>	-5.74		
		<i>For 11 Gauge Fabric, Deduct</i>	-3.35		
		<i>For 6 Gauge Fabric, Add</i>	5.27		
		<i>For 1" Mesh Fabric, Add</i>	7.18		
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.87		
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.44		
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.92		
		<i>For Posts 8' On Centers, Add</i>	1.90		
		<i>For Posts 5' On Centers, Add</i>	7.21		
		<i>For Up To 100, Add</i>	6.80		
		<i>For >100 To 250, Add</i>	2.56		
		<i>For >2,500 To 5,000, Deduct</i>	-1.28		
		<i>For >5,000, Deduct</i>	-2.56		
		<i>For 3/8" Non-Climbable Mesh, Add</i>	34.62		
32 31 13 13-0074	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	37.65		4.15
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.88		
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.80		
		<i>For 13 Gauge Fabric, Deduct</i>	-6.68		
		<i>For 11 Gauge Fabric, Deduct</i>	-3.90		
		<i>For 6 Gauge Fabric, Add</i>	6.13		
		<i>For 1" Mesh Fabric, Add</i>	8.36		
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.34		
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.67		
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.23		
		<i>For Posts 8' On Centers, Add</i>	2.10		
		<i>For Posts 5' On Centers, Add</i>	7.97		
		<i>For Up To 100, Add</i>	7.49		
		<i>For >100 To 250, Add</i>	2.80		
		<i>For >2,500 To 5,000, Deduct</i>	-1.40		
		<i>For >5,000, Deduct</i>	-2.80		
		<i>For 3/8" Non-Climbable Mesh, Add</i>	40.45		
32 31 13 13-0075	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	39.50		6.22
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.06		
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.93		
		<i>For 13 Gauge Fabric, Deduct</i>	-7.08		
		<i>For 11 Gauge Fabric, Deduct</i>	-4.14		
		<i>For 6 Gauge Fabric, Add</i>	6.50		
		<i>For 1" Mesh Fabric, Add</i>	8.86		
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.54		
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.77		
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.36		
		<i>For Posts 8' On Centers, Add</i>	2.20		
		<i>For Posts 5' On Centers, Add</i>	8.35		
		<i>For Up To 100, Add</i>	7.84		
		<i>For >100 To 250, Add</i>	2.93		
		<i>For >2,500 To 5,000, Deduct</i>	-1.47		
		<i>For >5,000, Deduct</i>	-2.93		
		<i>For 3/8" Non-Climbable Mesh, Add</i>	46.42		
32 31 13 13-0076	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	44.04		7.27
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.55		
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.22		
		<i>For 13 Gauge Fabric, Deduct</i>	-8.23		
		<i>For 11 Gauge Fabric, Deduct</i>	-4.81		
		<i>For 6 Gauge Fabric, Add</i>	7.55		
		<i>For 1" Mesh Fabric, Add</i>	10.30		
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.12		
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.06		
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.75		
		<i>For Posts 8' On Centers, Add</i>	2.45		
		<i>For Posts 5' On Centers, Add</i>	9.25		
		<i>For Up To 100, Add</i>	8.64		
		<i>For >100 To 250, Add</i>	3.22		
		<i>For >2,500 To 5,000, Deduct</i>	-1.61		
		<i>For >5,000, Deduct</i>	-3.22		
		<i>For 3/8" Non-Climbable Mesh, Add</i>	52.47		
32 31 13 13-0077	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	46.85		9.33
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.83		
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.41		
		<i>For 13 Gauge Fabric, Deduct</i>	-8.86		
		<i>For 11 Gauge Fabric, Deduct</i>	-5.18		
		<i>For 6 Gauge Fabric, Add</i>	8.14		
		<i>For 1" Mesh Fabric, Add</i>	11.10		
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.44		
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.22		
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.96		
		<i>For Posts 8' On Centers, Add</i>	2.60		
		<i>For Posts 5' On Centers, Add</i>	9.82		
		<i>For Up To 100, Add</i>	9.16		
		<i>For >100 To 250, Add</i>	3.41		
		<i>For >2,500 To 5,000, Deduct</i>	-1.70		
		<i>For >5,000, Deduct</i>	-3.41		
		<i>For 3/8" Non-Climbable Mesh, Add</i>	57.64		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0078	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	49.66	10.37
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.10	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.60	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.50	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.55	
			<i>For 6 Gauge Fabric, Add</i>	8.72	
			<i>For 1" Mesh Fabric, Add</i>	11.90	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.76	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.38	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.17	
			<i>For Posts 8' On Centers, Add</i>	2.75	
			<i>For Posts 5' On Centers, Add</i>	10.39	
			<i>For Up To 100, Add</i>	9.68	
			<i>For >100 To 250, Add</i>	3.60	
			<i>For >2,500 To 5,000, Deduct</i>	-1.80	
			<i>For >5,000, Deduct</i>	-3.60	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	63.07	
32 31	13 13-0079	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	53.99	12.45
			<i>For Each Additional Foot >12, Add</i>	4.42	
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.47	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.91	
			<i>For 13 Gauge Fabric, Deduct</i>	-10.36	
			<i>For 11 Gauge Fabric, Deduct</i>	-6.05	
			<i>For 6 Gauge Fabric, Add</i>	9.51	
			<i>For 1" Mesh Fabric, Add</i>	12.97	
			<i>For 1-3/4" Mesh Fabric, Add</i>	5.19	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.59	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.46	
			<i>For Posts 8' On Centers, Add</i>	2.99	
			<i>For Posts 5' On Centers, Add</i>	11.29	
			<i>For Up To 100, Add</i>	10.52	
			<i>For >100 To 250, Add</i>	3.91	
			<i>For >2,500 To 5,000, Deduct</i>	-1.95	
			<i>For >5,000, Deduct</i>	-3.91	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	68.41	
32 31	13 13-0080		Fence Posts (32 31 13 13) Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31	13 13-0081		Fence Posts (32 31 13 13-0080)		
32 31	13 13-0082		1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel (32 31 13 13-0081) Note: Includes cap and accessories.		
32 31	13 13-0083	LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length	12.94	3.30
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Curved Posts, Add</i>	1.92	
32 31	13 13-0084	LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length	12.00	2.81
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Curved Posts, Add</i>	1.83	
32 31	13 13-0085	LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length	10.86	2.32
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Curved Posts, Add</i>	1.71	
32 31	13 13-0086	LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length	9.94	1.83
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Curved Posts, Add</i>	1.62	
32 31	13 13-0087	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length	9.33	1.59
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Curved Posts, Add</i>	1.56	
32 31	13 13-0088	LF	1-7/8" Galvanized H-beam Post, >24' In Length	8.37	1.10
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Curved Posts, Add</i>	1.47	
32 31	13 13-0089		Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal) (32 31 13 13-0081) Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31	13 13-0090	LF	1-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	9.62	3.05
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.88	
			<i>For Vinyl Coated, Add</i>	2.11	
			<i>For Powder Coated, Add</i>	2.82	
			<i>For Aluminum Coated, Add</i>	4.40	
			<i>For Curved Posts, Add</i>	1.31	
			<i>For Schedule 20, Deduct</i>	-0.70	
			<i>For Schedule 80, Add</i>	2.30	
32 31	13 13-0091	LF	1-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	8.67	2.56
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.88	
			<i>For Vinyl Coated, Add</i>	2.11	
			<i>For Powder Coated, Add</i>	2.82	
			<i>For Aluminum Coated, Add</i>	4.40	
			<i>For Curved Posts, Add</i>	1.22	
			<i>For Schedule 20, Deduct</i>	-0.70	
			<i>For Schedule 80, Add</i>	2.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0092	LF	1-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	7.64	2.07
			For Each Top Rail Fitting, Add	0.85	
			For Each Single Barbed Wire Arm, Add	1.90	
			For Each Double Barbed Wire Arm, Add	3.40	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	0.88	
			For Vinyl Coated, Add	2.11	
			For Powder Coated, Add	2.82	
			For Aluminum Coated, Add	4.40	
			For Curved Posts, Add	1.12	
			For Schedule 20, Deduct	-0.70	
			For Schedule 80, Add	2.10	
32 31 13	13-0093	LF	1-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	6.82	1.59
			For Each Top Rail Fitting, Add	0.85	
			For Each Single Barbed Wire Arm, Add	1.90	
			For Each Double Barbed Wire Arm, Add	3.40	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	0.88	
			For Vinyl Coated, Add	2.11	
			For Powder Coated, Add	2.82	
			For Aluminum Coated, Add	4.40	
			For Curved Posts, Add	1.03	
			For Schedule 20, Deduct	-0.70	
			For Schedule 80, Add	2.02	
32 31 13	13-0094	LF	1-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	6.27	1.34
			For Each Top Rail Fitting, Add	0.85	
			For Each Single Barbed Wire Arm, Add	1.90	
			For Each Double Barbed Wire Arm, Add	3.40	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	0.88	
			For Vinyl Coated, Add	2.11	
			For Powder Coated, Add	2.82	
			For Aluminum Coated, Add	4.40	
			For Curved Posts, Add	0.98	
			For Schedule 20, Deduct	-0.70	
			For Schedule 80, Add	1.96	
32 31 13	13-0095	LF	1-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	5.67	1.10
			For Each Top Rail Fitting, Add	0.85	
			For Each Single Barbed Wire Arm, Add	1.90	
			For Each Double Barbed Wire Arm, Add	3.40	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	0.88	
			For Vinyl Coated, Add	2.11	
			For Powder Coated, Add	2.82	
			For Aluminum Coated, Add	4.40	
			For Curved Posts, Add	0.92	
			For Schedule 20, Deduct	-0.70	
			For Schedule 80, Add	1.90	
32 31 13	13-0096		Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) (32 31 13 13-0081)		
			Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13	13-0097	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	10.61	3.17
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
			For Vinyl Coated, Add	2.57	
			For Powder Coated, Add	3.43	
			For Aluminum Coated, Add	5.36	
			For Curved Posts, Add	1.49	
			For Schedule 20, Deduct	-0.86	
			For Schedule 80, Add	2.69	
32 31 13	13-0098	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	9.75	2.69
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
			For Vinyl Coated, Add	2.57	
			For Powder Coated, Add	3.43	
			For Aluminum Coated, Add	5.36	
			For Curved Posts, Add	1.40	
			For Schedule 20, Deduct	-0.86	
			For Schedule 80, Add	2.61	
32 31 13	13-0099	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	8.65	2.20
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
			For Vinyl Coated, Add	2.57	
			For Powder Coated, Add	3.43	
			For Aluminum Coated, Add	5.36	
			For Curved Posts, Add	1.29	
			For Schedule 20, Deduct	-0.86	
			For Schedule 80, Add	2.50	
32 31 13	13-0100	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	7.78	1.71
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
			For Vinyl Coated, Add	2.57	
			For Powder Coated, Add	3.43	
			For Aluminum Coated, Add	5.36	
			For Curved Posts, Add	1.21	
			For Schedule 20, Deduct	-0.86	
			For Schedule 80, Add	2.41	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0101	LF 2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	7.19	1.46
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
	For Vinyl Coated, Add	2.57	
	For Powder Coated, Add	3.43	
	For Aluminum Coated, Add	5.36	
	For Curved Posts, Add	1.15	
	For Schedule 20, Deduct	-0.86	
	For Schedule 80, Add	2.35	
32 31 13 13-0102	LF 2" Outside Diameter Galvanized Steel Post, >24' In Length.....	6.65	1.22
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
	For Vinyl Coated, Add	2.57	
	For Powder Coated, Add	3.43	
	For Aluminum Coated, Add	5.36	
	For Curved Posts, Add	1.09	
	For Schedule 20, Deduct	-0.86	
	For Schedule 80, Add	2.30	
32 31 13 13-0103	Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) (32 31 13 13-0081)		
	Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0104	LF 2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	12.37	3.41
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.43	
	For Vinyl Coated, Add	3.43	
	For Powder Coated, Add	4.57	
	For Aluminum Coated, Add	7.14	
	For Curved Posts, Add	1.81	
	For Schedule 20, Deduct	-1.14	
	For Schedule 80, Add	3.41	
32 31 13 13-0105	LF 2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	11.43	2.93
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.43	
	For Vinyl Coated, Add	3.43	
	For Powder Coated, Add	4.57	
	For Aluminum Coated, Add	7.14	
	For Curved Posts, Add	1.71	
	For Schedule 20, Deduct	-1.14	
	For Schedule 80, Add	3.31	
32 31 13 13-0106	LF 2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	10.29	2.32
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.43	
	For Vinyl Coated, Add	3.43	
	For Powder Coated, Add	4.57	
	For Aluminum Coated, Add	7.14	
	For Curved Posts, Add	1.60	
	For Schedule 20, Deduct	-1.14	
	For Schedule 80, Add	3.20	
32 31 13 13-0107	LF 2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	9.37	1.83
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.43	
	For Vinyl Coated, Add	3.43	
	For Powder Coated, Add	4.57	
	For Aluminum Coated, Add	7.14	
	For Curved Posts, Add	1.51	
	For Schedule 20, Deduct	-1.14	
	For Schedule 80, Add	3.11	
32 31 13 13-0108	LF 2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length.....	8.76	1.59
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.43	
	For Vinyl Coated, Add	3.43	
	For Powder Coated, Add	4.57	
	For Aluminum Coated, Add	7.14	
	For Curved Posts, Add	1.45	
	For Schedule 20, Deduct	-1.14	
	For Schedule 80, Add	3.05	
32 31 13 13-0109	LF 2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	8.19	1.22
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.43	
	For Vinyl Coated, Add	3.43	
	For Powder Coated, Add	4.57	
	For Aluminum Coated, Add	7.14	
	For Curved Posts, Add	1.39	
	For Schedule 20, Deduct	-1.14	
	For Schedule 80, Add	2.99	

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-------------	------------------------	----------------------

32 31 13 13-0110 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) (32 31 13 13-0081)

Note: 3" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0111	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	15.85	3.66
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.13	
		For Vinyl Coated, Add	5.12	
		For Powder Coated, Add	6.82	
		For Aluminum Coated, Add	10.66	
		For Curved Posts, Add	2.44	
		For Schedule 20, Deduct	-1.71	
		For Schedule 80, Add	4.83	
32 31 13 13-0112	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	14.85	3.17
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.13	
		For Vinyl Coated, Add	5.12	
		For Powder Coated, Add	6.82	
		For Aluminum Coated, Add	10.66	
		For Curved Posts, Add	2.34	
		For Schedule 20, Deduct	-1.71	
		For Schedule 80, Add	4.73	
32 31 13 13-0113	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	13.62	2.56
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.13	
		For Vinyl Coated, Add	5.12	
		For Powder Coated, Add	6.82	
		For Aluminum Coated, Add	10.66	
		For Curved Posts, Add	2.22	
		For Schedule 20, Deduct	-1.71	
		For Schedule 80, Add	4.60	
32 31 13 13-0114	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	12.59	2.07
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.13	
		For Vinyl Coated, Add	5.12	
		For Powder Coated, Add	6.82	
		For Aluminum Coated, Add	10.66	
		For Curved Posts, Add	2.11	
		For Schedule 20, Deduct	-1.71	
		For Schedule 80, Add	4.50	
32 31 13 13-0115	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	11.92	1.71
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.13	
		For Vinyl Coated, Add	5.12	
		For Powder Coated, Add	6.82	
		For Aluminum Coated, Add	10.66	
		For Curved Posts, Add	2.05	
		For Schedule 20, Deduct	-1.71	
		For Schedule 80, Add	4.43	
32 31 13 13-0116	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length	11.28	1.34
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.13	
		For Vinyl Coated, Add	5.12	
		For Powder Coated, Add	6.82	
		For Aluminum Coated, Add	10.66	
		For Curved Posts, Add	1.98	
		For Schedule 20, Deduct	-1.71	
		For Schedule 80, Add	4.37	

32 31 13 13-0117 Post Without Top Rail Fitting, Galvanized Steel, (4" Nominal) (32 31 13 13-0081)

Note: 4" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0118	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	21.57	3.90
		For Each Top Rail Fitting, Add	2.60	
		For Each Single Barbed Wire Arm, Add	5.10	
		For Each Double Barbed Wire Arm, Add	11.25	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	3.47	
		For Vinyl Coated, Add	8.32	
		For Powder Coated, Add	11.09	
		For Aluminum Coated, Add	17.33	
		For Curved Posts, Add	3.54	
		For Schedule 20, Deduct	-2.77	
		For Schedule 80, Add	7.42	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0119	LF		4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	20.28	3.17
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.47	
			For Vinyl Coated, Add	8.32	
			For Powder Coated, Add	11.09	
			For Aluminum Coated, Add	17.33	
			For Curved Posts, Add	3.41	
			For Schedule 20, Deduct	-2.77	
			For Schedule 80, Add	7.29	
32 31 13 13-0120	LF		4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	19.22	2.69
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.47	
			For Vinyl Coated, Add	8.32	
			For Powder Coated, Add	11.09	
			For Aluminum Coated, Add	17.33	
			For Curved Posts, Add	3.31	
			For Schedule 20, Deduct	-2.77	
			For Schedule 80, Add	7.19	
32 31 13 13-0121	LF		4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	18.15	2.20
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.47	
			For Vinyl Coated, Add	8.32	
			For Powder Coated, Add	11.09	
			For Aluminum Coated, Add	17.33	
			For Curved Posts, Add	3.20	
			For Schedule 20, Deduct	-2.77	
			For Schedule 80, Add	7.08	
32 31 13 13-0122	LF		4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	18.14	2.20
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.47	
			For Vinyl Coated, Add	8.32	
			For Powder Coated, Add	11.09	
			For Aluminum Coated, Add	17.33	
			For Curved Posts, Add	3.20	
			For Schedule 20, Deduct	-2.77	
			For Schedule 80, Add	7.08	
32 31 13 13-0123	LF		4" Outside Diameter Galvanized Steel Post, >24' In Length	16.91	1.59
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.47	
			For Vinyl Coated, Add	8.32	
			For Powder Coated, Add	11.09	
			For Aluminum Coated, Add	17.33	
			For Curved Posts, Add	3.08	
			For Schedule 20, Deduct	-2.77	
			For Schedule 80, Add	6.96	
32 31 13 13-0124			Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) (32 31 13 13-0081)		
			Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0125	LF		6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	37.97	4.27
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	7.35	
			For Vinyl Coated, Add	17.64	
			For Powder Coated, Add	23.52	
			For Aluminum Coated, Add	36.75	
			For Curved Posts, Add	6.74	
			For Schedule 20, Deduct	-5.88	
			For Schedule 80, Add	14.97	
32 31 13 13-0126	LF		6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	36.58	3.54
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	7.35	
			For Vinyl Coated, Add	17.64	
			For Powder Coated, Add	23.52	
			For Aluminum Coated, Add	36.75	
			For Curved Posts, Add	6.60	
			For Schedule 20, Deduct	-5.88	
			For Schedule 80, Add	14.83	
32 31 13 13-0127	LF		6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	35.35	2.93
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	7.35	
			For Vinyl Coated, Add	17.64	
			For Powder Coated, Add	23.52	
			For Aluminum Coated, Add	36.75	
			For Curved Posts, Add	6.48	
			For Schedule 20, Deduct	-5.88	
			For Schedule 80, Add	14.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0128	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	34.16	2.32
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	7.35	
			For Vinyl Coated, Add	17.64	
			For Powder Coated, Add	23.52	
			For Aluminum Coated, Add	36.75	
			For Curved Posts, Add	6.36	
			For Schedule 20, Deduct	-5.88	
			For Schedule 80, Add	14.59	
32 31 13	13-0129	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	33.46	2.07
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	7.35	
			For Vinyl Coated, Add	17.64	
			For Powder Coated, Add	23.52	
			For Aluminum Coated, Add	36.75	
			For Curved Posts, Add	6.29	
			For Schedule 20, Deduct	-5.88	
			For Schedule 80, Add	14.52	
32 31 13	13-0130	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	32.79	1.71
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	7.35	
			For Vinyl Coated, Add	17.64	
			For Powder Coated, Add	23.52	
			For Aluminum Coated, Add	36.75	
			For Curved Posts, Add	6.22	
			For Schedule 20, Deduct	-5.88	
			For Schedule 80, Add	14.45	
32 31 13	13-0131		Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) (32 31 13 13-0081)		
			Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13	13-0132	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	69.75	4.76
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	15.06	
			For Vinyl Coated, Add	36.14	
			For Powder Coated, Add	48.19	
			For Aluminum Coated, Add	75.30	
			For Curved Posts, Add	13.00	
			For Schedule 20, Deduct	-12.05	
			For Schedule 80, Add	29.87	
32 31 13	13-0133	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	68.20	4.03
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	15.06	
			For Vinyl Coated, Add	36.14	
			For Powder Coated, Add	48.19	
			For Aluminum Coated, Add	75.30	
			For Curved Posts, Add	12.84	
			For Schedule 20, Deduct	-12.05	
			For Schedule 80, Add	29.71	
32 31 13	13-0134	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	66.83	3.30
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	15.06	
			For Vinyl Coated, Add	36.14	
			For Powder Coated, Add	48.19	
			For Aluminum Coated, Add	75.30	
			For Curved Posts, Add	12.71	
			For Schedule 20, Deduct	-12.05	
			For Schedule 80, Add	29.57	
32 31 13	13-0135	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	65.47	2.56
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	15.06	
			For Vinyl Coated, Add	36.14	
			For Powder Coated, Add	48.19	
			For Aluminum Coated, Add	75.30	
			For Curved Posts, Add	12.57	
			For Schedule 20, Deduct	-12.05	
			For Schedule 80, Add	29.44	
32 31 13	13-0136	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	64.76	2.20
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	15.06	
			For Vinyl Coated, Add	36.14	
			For Powder Coated, Add	48.19	
			For Aluminum Coated, Add	75.30	
			For Curved Posts, Add	12.50	
			For Schedule 20, Deduct	-12.05	
			For Schedule 80, Add	29.37	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0137	LF 8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	64.02	1.83
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	15.06	
	For Vinyl Coated, Add	36.14	
	For Powder Coated, Add	48.19	
	For Aluminum Coated, Add	75.30	
	For Curved Posts, Add	12.43	
	For Schedule 20, Deduct	-12.05	
	For Schedule 80, Add	29.29	
32 31 13 13-0138	Rails (32 31 13 13)		
	Note: Includes rail end fittings.		
32 31 13 13-0139	SS-20 Chain Link Fence Rails (32 31 13 13-0138)		
	Note: Includes tie wires.		
32 31 13 13-0140	LF 1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	5.22	1.34
	For SS15, Deduct	-0.24	
	For SS40, Add	0.60	
32 31 13 13-0141	LF 1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	6.04	1.34
	For SS40, Add	0.32	
	For Powder Coated, Add	0.65	
	For Aluminum Coated, Add	1.29	
32 31 13 13-0142	LF 1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	6.27	1.53
	For SS15, Deduct	-0.32	
	For SS40, Add	0.81	
32 31 13 13-0143	LF 1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	7.35	1.53
	For SS40, Add	0.43	
	For Powder Coated, Add	0.86	
	For Aluminum Coated, Add	1.72	
32 31 13 13-0144	LF 2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	7.27	1.71
	For SS40, Add	0.97	
32 31 13 13-0145	LF 2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	8.58	1.71
	For SS40, Add	0.52	
	For Powder Coated, Add	1.03	
	For Aluminum Coated, Add	2.07	
32 31 13 13-0146	Fabric (32 31 13 13)		
32 31 13 13-0147	Fabric, Galvanized Chain Link (32 31 13 13-0146)		
32 31 13 13-0148	LF 3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	10.32	2.44
	For 2 Oz Galvanized Or Zinc Coating, Add	0.60	
	For 13 Gauge Fabric, Deduct	-1.07	
	For 11 Gauge Fabric, Deduct	-0.60	
	For 6 Gauge Fabric, Add	1.90	
	For 1" Mesh Fabric, Add	1.79	
	For 1-3/4" Mesh Fabric, Add	0.71	
	For 2-1/8" Mesh Fabric, Deduct	-0.36	
	For 2-3/8" Mesh Fabric, Deduct	-0.48	
	For 3/8" Non-Climbable Mesh, Add	21.67	
32 31 13 13-0149	LF 3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	11.32	2.74
	For 2 Oz Galvanized Or Zinc Coating, Add	0.69	
	For 13 Gauge Fabric, Deduct	-1.25	
	For 11 Gauge Fabric, Deduct	-0.69	
	For 6 Gauge Fabric, Add	2.22	
	For 1" Mesh Fabric, Add	2.08	
	For 1-3/4" Mesh Fabric, Add	0.83	
	For 2-1/8" Mesh Fabric, Deduct	-0.42	
	For 2-3/8" Mesh Fabric, Deduct	-0.55	
	For 3/8" Non-Climbable Mesh, Add	24.56	
32 31 13 13-0150	LF 4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	12.20	3.05
	For 2 Oz Galvanized Or Zinc Coating, Add	0.76	
	For 13 Gauge Fabric, Deduct	-1.37	
	For 11 Gauge Fabric, Deduct	-0.76	
	For 6 Gauge Fabric, Add	2.44	
	For 1" Mesh Fabric, Add	2.29	
	For 1-3/4" Mesh Fabric, Add	0.92	
	For 2-1/8" Mesh Fabric, Deduct	-0.46	
	For 2-3/8" Mesh Fabric, Deduct	-0.61	
	For 3/8" Non-Climbable Mesh, Add	27.47	
32 31 13 13-0151	LF 5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	13.56	3.66
	For 2 Oz Galvanized Or Zinc Coating, Add	0.95	
	For 13 Gauge Fabric, Deduct	-1.71	
	For 11 Gauge Fabric, Deduct	-0.95	
	For 6 Gauge Fabric, Add	3.04	
	For 1" Mesh Fabric, Add	2.85	
	For 1-3/4" Mesh Fabric, Add	1.14	
	For 2-1/8" Mesh Fabric, Deduct	-0.57	
	For 2-3/8" Mesh Fabric, Deduct	-0.76	
	For 3/8" Non-Climbable Mesh, Add	32.65	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0152	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	15.04	4.27
		For 2 Oz Galvanized Or Zinc Coating, Add	1.14	
		For 13 Gauge Fabric, Deduct	-2.06	
		For 11 Gauge Fabric, Deduct	-1.14	
		For 6 Gauge Fabric, Add	3.66	
		For 1" Mesh Fabric, Add	3.43	
		For 1-3/4" Mesh Fabric, Add	1.37	
		For 2-1/8" Mesh Fabric, Deduct	-0.69	
		For 2-3/8" Mesh Fabric, Deduct	-0.91	
		For 3/8" Non-Climbable Mesh, Add	37.92	
32 31 13 13-0153	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	16.59	4.89
		For 2 Oz Galvanized Or Zinc Coating, Add	1.33	
		For 13 Gauge Fabric, Deduct	-2.39	
		For 11 Gauge Fabric, Deduct	-1.33	
		For 6 Gauge Fabric, Add	4.26	
		For 1" Mesh Fabric, Add	3.99	
		For 1-3/4" Mesh Fabric, Add	1.60	
		For 2-1/8" Mesh Fabric, Deduct	-0.80	
		For 2-3/8" Mesh Fabric, Deduct	-1.06	
		For 3/8" Non-Climbable Mesh, Add	43.30	
32 31 13 13-0154	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	18.29	6.10
		For 2 Oz Galvanized Or Zinc Coating, Add	1.52	
		For 13 Gauge Fabric, Deduct	-2.74	
		For 11 Gauge Fabric, Deduct	-1.52	
		For 6 Gauge Fabric, Add	4.87	
		For 1" Mesh Fabric, Add	4.57	
		For 1-3/4" Mesh Fabric, Add	1.83	
		For 2-1/8" Mesh Fabric, Deduct	-0.91	
		For 2-3/8" Mesh Fabric, Deduct	-1.22	
		For 3/8" Non-Climbable Mesh, Add	48.81	
32 31 13 13-0155	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	21.38	6.71
		For 2 Oz Galvanized Or Zinc Coating, Add	1.98	
		For 13 Gauge Fabric, Deduct	-3.56	
		For 11 Gauge Fabric, Deduct	-1.98	
		For 6 Gauge Fabric, Add	6.33	
		For 1" Mesh Fabric, Add	5.93	
		For 1-3/4" Mesh Fabric, Add	2.37	
		For 2-1/8" Mesh Fabric, Deduct	-1.19	
		For 2-3/8" Mesh Fabric, Deduct	-1.58	
		For 3/8" Non-Climbable Mesh, Add	58.36	
32 31 13 13-0156	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	24.13	7.32
		For 2 Oz Galvanized Or Zinc Coating, Add	2.37	
		For 13 Gauge Fabric, Deduct	-4.27	
		For 11 Gauge Fabric, Deduct	-2.37	
		For 6 Gauge Fabric, Add	7.58	
		For 1" Mesh Fabric, Add	7.11	
		For 1-3/4" Mesh Fabric, Add	2.84	
		For 2-1/8" Mesh Fabric, Deduct	-1.42	
		For 2-3/8" Mesh Fabric, Deduct	-1.90	
		For 3/8" Non-Climbable Mesh, Add	63.31	
32 31 13 13-0157	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	27.27	8.55
		For 2 Oz Galvanized Or Zinc Coating, Add	2.55	
		For 13 Gauge Fabric, Deduct	-4.58	
		For 11 Gauge Fabric, Deduct	-2.55	
		For 6 Gauge Fabric, Add	8.14	
		For 1" Mesh Fabric, Add	7.64	
		For 1-3/4" Mesh Fabric, Add	3.05	
		For 2-1/8" Mesh Fabric, Deduct	-1.53	
		For 2-3/8" Mesh Fabric, Deduct	-2.04	
		For 3/8" Non-Climbable Mesh, Add	69.54	
32 31 13 13-0158	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	30.41	9.76
		For 2 Oz Galvanized Or Zinc Coating, Add	2.72	
		For 13 Gauge Fabric, Deduct	-4.90	
		For 11 Gauge Fabric, Deduct	-2.72	
		For 6 Gauge Fabric, Add	8.70	
		For 1" Mesh Fabric, Add	8.16	
		For 1-3/4" Mesh Fabric, Add	3.26	
		For 2-1/8" Mesh Fabric, Deduct	-1.63	
		For 2-3/8" Mesh Fabric, Deduct	-2.18	
		For 3/8" Non-Climbable Mesh, Add	75.77	
32 31 13 13-0159		Fabric, Vinyl Coated Chain Link <small>(32 31 13 13-0146)</small>		
32 31 13 13-0160	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	13.17	2.44
		For 13 Gauge Fabric, Deduct	-1.81	
		For 11 Gauge Fabric, Deduct	-1.01	
		For 6 Gauge Fabric, Add	3.22	
		For 1" Mesh Fabric, Add	3.02	
		For 1-3/4" Mesh Fabric, Add	1.21	
		For 2-1/8" Mesh Fabric, Deduct	-0.60	
		For 2-3/8" Mesh Fabric, Deduct	-0.80	
		For Aluminum Coated, Add	1.61	
		For 3/8" Non-Climbable Mesh, Add	30.22	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0161	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	14.78	3.66
		<i>For 13 Gauge Fabric, Deduct</i>	-2.26	
		<i>For 11 Gauge Fabric, Deduct</i>	-1.26	
		<i>For 6 Gauge Fabric, Add</i>	4.02	
		<i>For 1" Mesh Fabric, Add</i>	3.77	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1.51	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.75	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.00	
		<i>For Aluminum Coated, Add</i>	2.01	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	36.08	
32 31 13 13-0162	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	17.51	4.27
		<i>For 13 Gauge Fabric, Deduct</i>	-3.17	
		<i>For 11 Gauge Fabric, Deduct</i>	-1.76	
		<i>For 6 Gauge Fabric, Add</i>	5.63	
		<i>For 1" Mesh Fabric, Add</i>	5.28	
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.11	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.06	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.41	
		<i>For Aluminum Coated, Add</i>	2.82	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	42.04	
32 31 13 13-0163	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	19.47	4.89
		<i>For 13 Gauge Fabric, Deduct</i>	-3.69	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.05	
		<i>For 6 Gauge Fabric, Add</i>	6.56	
		<i>For 1" Mesh Fabric, Add</i>	6.15	
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.46	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.23	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.64	
		<i>For Aluminum Coated, Add</i>	3.28	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	48.11	
32 31 13 13-0164	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	21.64	6.10
		<i>For 13 Gauge Fabric, Deduct</i>	-4.25	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.36	
		<i>For 6 Gauge Fabric, Add</i>	7.55	
		<i>For 1" Mesh Fabric, Add</i>	7.08	
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.83	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.42	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.89	
		<i>For Aluminum Coated, Add</i>	3.78	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	54.30	
32 31 13 13-0165	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	25.22	6.71
		<i>For 13 Gauge Fabric, Deduct</i>	-5.29	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.94	
		<i>For 6 Gauge Fabric, Add</i>	9.40	
		<i>For 1" Mesh Fabric, Add</i>	8.81	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.53	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.76	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.35	
		<i>For Aluminum Coated, Add</i>	4.70	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	65.09	
32 31 13 13-0166	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	27.51	7.32
		<i>For 13 Gauge Fabric, Deduct</i>	-5.79	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.22	
		<i>For 6 Gauge Fabric, Add</i>	10.29	
		<i>For 1" Mesh Fabric, Add</i>	9.65	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.86	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.93	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.57	
		<i>For Aluminum Coated, Add</i>	5.14	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	70.61	
32 31 13 13-0167	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	31.24	8.55
		<i>For 13 Gauge Fabric, Deduct</i>	-6.37	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.54	
		<i>For 6 Gauge Fabric, Add</i>	11.32	
		<i>For 1" Mesh Fabric, Add</i>	10.61	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.25	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.12	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.83	
		<i>For Aluminum Coated, Add</i>	5.66	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	77.41	
32 31 13 13-0168	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	35.03	9.76
		<i>For 13 Gauge Fabric, Deduct</i>	-6.98	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.88	
		<i>For 6 Gauge Fabric, Add</i>	12.40	
		<i>For 1" Mesh Fabric, Add</i>	11.63	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.65	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.33	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.10	
		<i>For Aluminum Coated, Add</i>	6.20	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	84.20	
32 31 13 13-0169		Fabric, Aluminized Steel Chain Link <small>(32 31 13 13-0146)</small>		
32 31 13 13-0170	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	10.11	2.44
		<i>For 6 Gauge Fabric, Add</i>	1.74	
		<i>For 1" Mesh Fabric, Add</i>	2.28	
32 31 13 13-0171	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	11.07	2.74
		<i>For 6 Gauge Fabric, Add</i>	2.02	
		<i>For 1" Mesh Fabric, Add</i>	2.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0172	LF	4'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	12.04 2.31 3.03	3.05
32 31 13 13-0173	LF	5'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	13.36 2.88 3.78	3.66
32 31 13 13-0174	LF	6'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	14.78 3.45 4.53	4.27
32 31 13 13-0175	LF	7'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	16.31 4.03 5.29	4.89
32 31 13 13-0176	LF	8'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	17.96 4.61 6.05	6.10
32 31 13 13-0177	LF	10'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	20.66 5.75 7.55	6.71
32 31 13 13-0178	LF	12'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	23.28 6.90 9.06	7.32
32 31 13 13-0179			Fabric, All Aluminum Chain Link <small>(32 31 13 13-0146)</small>		
32 31 13 13-0180	LF	3'	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	13.61 4.54 5.95	2.44
32 31 13 13-0181	LF	3'-6"	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	15.17 5.30 6.95	2.74
32 31 13 13-0182	LF	4'	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	16.71 6.05 7.94	3.05
32 31 13 13-0183	LF	5'	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	19.21 7.56 9.92	3.66
32 31 13 13-0184	LF	6'	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	21.81 9.07 11.91	4.27
32 31 13 13-0185	LF	7'	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	24.50 10.58 13.89	4.89
32 31 13 13-0186	LF	8'	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	27.32 12.10 15.88	6.10
32 31 13 13-0187	LF	10'	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	32.37 15.12 19.85	6.71
32 31 13 13-0188	LF	12'	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	37.33 18.14 23.81	7.32
32 31 13 13-0189			Fence Inserts <small>(32 31 13 13-0146)</small> Note: For use with new or existing chain link fence, per lf of fence.		
32 31 13 13-0190			Vinyl Plastic Fence Inserts <small>(32 31 13 13-0189)</small> Note: Assorted colors.		
32 31 13 13-0191	LF	3'	High Fence, Vinyl Plastic Fence Insert	7.87	
32 31 13 13-0192	LF	3-1/2'	High Fence, Vinyl Plastic Fence Insert	9.08	
32 31 13 13-0193	LF	4'	High Fence, Vinyl Plastic Fence Insert	10.02	
32 31 13 13-0194	LF	5'	High Fence, Vinyl Plastic Fence Insert	12.55	
32 31 13 13-0195	LF	6'	High Fence, Vinyl Plastic Fence Insert	15.03	
32 31 13 13-0196	LF	7'	High Fence, Vinyl Plastic Fence Insert	17.57	
32 31 13 13-0197	LF	8'	High Fence, Vinyl Plastic Fence Insert	20.02	
32 31 13 13-0198	LF	10'	High Fence, Vinyl Plastic Fence Insert	23.32	
32 31 13 13-0199			Aluminum Fence Inserts <small>(32 31 13 13-0189)</small> Note: Assorted colors.		
32 31 13 13-0200	LF	3'	High Fence, Aluminum Fence Insert	20.71	
32 31 13 13-0201	LF	3-1/2'	High Fence, Aluminum Fence Insert	22.87	
32 31 13 13-0202	LF	4'	High Fence, Aluminum Fence Insert	26.61	
32 31 13 13-0203	LF	5'	High Fence, Aluminum Fence Insert	33.33	
32 31 13 13-0204	LF	6'	High Fence, Aluminum Fence Insert	39.98	
32 31 13 13-0205	LF	7'	High Fence, Aluminum Fence Insert	44.19	
32 31 13 13-0206	LF	8'	High Fence, Aluminum Fence Insert	53.29	
32 31 13 13-0207	LF	10'	High Fence, Aluminum Fence Insert	65.26	
32 31 13 13-0208			Redwood Fence Inserts <small>(32 31 13 13-0189)</small>		
32 31 13 13-0209	LF	4'	High Fence, Redwood Fence Insert	11.93	
32 31 13 13-0210	LF	5'	High Fence, Redwood Fence Insert	15.17	
32 31 13 13-0211	LF	6'	High Fence, Redwood Fence Insert	18.22	
32 31 13 13-0212	LF	7'	High Fence, Redwood Fence Insert	21.20	
32 31 13 13-0213	LF	8'	High Fence, Redwood Fence Insert	24.27	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0214		Diagonal Flexible Polyethylene Inserts (32 31 13 13-0189)		
32 31 13 13-0215	SF		Diagonal Polyethylene Fence Weave	3.16	
32 31 13	13-0216		Hedge Link Fence Inserts (32 31 13 13-0189)		
32 31 13 13-0217	LF		3' High Fence, Hedge Link Fence Insert.....	15.29	
32 31 13 13-0218	LF		3-1/2' High Fence, Hedge Link Fence Insert.....	17.39	
32 31 13 13-0219	LF		4' High Fence, Hedge Link Fence Insert.....	20.79	
32 31 13 13-0220	LF		5' High Fence, Hedge Link Fence Insert.....	25.77	
32 31 13 13-0221	LF		6' High Fence, Hedge Link Fence Insert.....	29.85	
32 31 13 13-0222	LF		7' High Fence, Hedge Link Fence Insert.....	36.92	
32 31 13 13-0223	LF		8' High Fence, Hedge Link Fence Insert.....	41.98	
32 31 13 13-0224	LF		10' High Fence, Hedge Link Fence Insert.....	49.75	
32 31 13 13-0225	LF		12' High Fence, Hedge Link Fence Insert.....	56.98	
32 31 13	13-0226		Fence Windscreen Fabric (32 31 13 13-0146)		
			Note: Includes plastic wire clips.		
32 31 13 13-0227	SF		Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY	2.44	
			<i>For Sewn Boxed Vent (Each), Add</i>	15.52	
			<i>For Welded Boxed Vent (Each), Add</i>	7.76	
			<i>For 4' x 4' One Color Logo (Each), Add</i>	323.30	
32 31 13	13-0228		Gates (32 31 13 13)		
			Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13	13-0229		Galvanized Steel Without Barbed Wire (32 31 13 13-0229)		
			Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13	13-0230		4' Fence Height (32 31 13 13-0229)		
32 31 13 13-0231	EA		3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	212.43	26.34
			<i>For Gate With Single Barb Wire Arm, Add</i>	14.31	
			<i>For Gate With Double Barb Wire Arm, Add</i>	20.82	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-24.40	
			<i>For Aluminized Steel Gate And Post, Add</i>	62.46	
			<i>For Powder Coated Gate And Post, Add</i>	33.83	
32 31 13 13-0232	EA		4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	255.81	27.43
			<i>For Gate With Single Barb Wire Arm, Add</i>	19.09	
			<i>For Gate With Double Barb Wire Arm, Add</i>	27.76	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-32.53	
			<i>For Aluminized Steel Gate And Post, Add</i>	83.28	
			<i>For Powder Coated Gate And Post, Add</i>	45.11	
32 31 13 13-0233	EA		5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	297.25	29.19
			<i>For Gate With Single Barb Wire Arm, Add</i>	23.04	
			<i>For Gate With Double Barb Wire Arm, Add</i>	33.51	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-39.27	
			<i>For Aluminized Steel Gate And Post, Add</i>	100.54	
			<i>For Powder Coated Gate And Post, Add</i>	54.46	
32 31 13 13-0234	EA		6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	350.79	35.12
			<i>For Gate With Single Barb Wire Arm, Add</i>	27.00	
			<i>For Gate With Double Barb Wire Arm, Add</i>	39.27	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-46.02	
			<i>For Aluminized Steel Gate And Post, Add</i>	117.81	
			<i>For Powder Coated Gate And Post, Add</i>	63.81	
32 31 13 13-0235	EA		7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	404.32	40.93
			<i>For Gate With Single Barb Wire Arm, Add</i>	30.95	
			<i>For Gate With Double Barb Wire Arm, Add</i>	45.02	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-52.76	
			<i>For Aluminized Steel Gate And Post, Add</i>	135.07	
			<i>For Powder Coated Gate And Post, Add</i>	73.16	
32 31 13 13-0236	EA		8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	459.32	46.75
			<i>For Gate With Single Barb Wire Arm, Add</i>	35.07	
			<i>For Gate With Double Barb Wire Arm, Add</i>	51.02	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-59.78	
			<i>For Aluminized Steel Gate And Post, Add</i>	153.05	
			<i>For Powder Coated Gate And Post, Add</i>	82.90	
32 31 13 13-0237	EA		9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	512.84	52.67
			<i>For Gate With Single Barb Wire Arm, Add</i>	39.03	
			<i>For Gate With Double Barb Wire Arm, Add</i>	56.77	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-66.53	
			<i>For Aluminized Steel Gate And Post, Add</i>	170.31	
			<i>For Powder Coated Gate And Post, Add</i>	92.25	
32 31 13 13-0238	EA		10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	566.99	58.50
			<i>For Gate With Single Barb Wire Arm, Add</i>	43.06	
			<i>For Gate With Double Barb Wire Arm, Add</i>	62.63	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-73.39	
			<i>For Aluminized Steel Gate And Post, Add</i>	187.88	
			<i>For Powder Coated Gate And Post, Add</i>	101.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0239	EA		10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	696.07	58.50
			For Gate With Single Barb Wire Arm, Add	57.25	
			For Gate With Double Barb Wire Arm, Add	83.28	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-97.59	
			For Aluminized Steel Gate And Post, Add	249.84	
			For Powder Coated Gate And Post, Add	135.33	
32 31 13 13-0240	EA		12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	812.71	62.66
			For Gate With Single Barb Wire Arm, Add	68.70	
			For Gate With Double Barb Wire Arm, Add	99.93	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-117.11	
			For Aluminized Steel Gate And Post, Add	299.80	
			For Powder Coated Gate And Post, Add	162.39	
32 31 13 13-0241	EA		14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	931.28	67.49
			For Gate With Single Barb Wire Arm, Add	80.15	
			For Gate With Double Barb Wire Arm, Add	116.59	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-136.63	
			For Aluminized Steel Gate And Post, Add	349.77	
			For Powder Coated Gate And Post, Add	189.46	
32 31 13 13-0242	EA		16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,052.25	73.08
			For Gate With Single Barb Wire Arm, Add	91.61	
			For Gate With Double Barb Wire Arm, Add	133.24	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-156.15	
			For Aluminized Steel Gate And Post, Add	399.73	
			For Powder Coated Gate And Post, Add	216.52	
32 31 13 13-0243	EA		18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,198.59	87.10
			For Gate With Single Barb Wire Arm, Add	103.06	
			For Gate With Double Barb Wire Arm, Add	149.90	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-175.67	
			For Aluminized Steel Gate And Post, Add	449.70	
			For Powder Coated Gate And Post, Add	243.59	
32 31 13 13-0244	EA		20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,321.37	93.36
			For Gate With Single Barb Wire Arm, Add	114.51	
			For Gate With Double Barb Wire Arm, Add	166.56	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-195.18	
			For Aluminized Steel Gate And Post, Add	499.67	
			For Powder Coated Gate And Post, Add	270.65	
32 31 13 13-0245	EA		22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,444.51	100.60
			For Gate With Single Barb Wire Arm, Add	125.68	
			For Gate With Double Barb Wire Arm, Add	182.80	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-214.22	
			For Aluminized Steel Gate And Post, Add	548.41	
			For Powder Coated Gate And Post, Add	297.06	
32 31 13 13-0246	EA		24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,571.23	108.94
			For Gate With Single Barb Wire Arm, Add	136.85	
			For Gate With Double Barb Wire Arm, Add	199.05	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-233.27	
			For Aluminized Steel Gate And Post, Add	597.16	
			For Powder Coated Gate And Post, Add	323.46	
32 31 13 13-0247	EA		26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,702.53	118.87
			For Gate With Single Barb Wire Arm, Add	148.02	
			For Gate With Double Barb Wire Arm, Add	215.30	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-252.31	
			For Aluminized Steel Gate And Post, Add	645.91	
			For Powder Coated Gate And Post, Add	349.87	
32 31 13 13-0248	EA		28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,801.69	130.78
			For Gate With Single Barb Wire Arm, Add	155.00	
			For Gate With Double Barb Wire Arm, Add	225.46	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-264.21	
			For Aluminized Steel Gate And Post, Add	676.38	
			For Powder Coated Gate And Post, Add	366.37	
32 31 13 13-0249	EA		30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,997.65	145.25
			For Gate With Single Barb Wire Arm, Add	171.76	
			For Gate With Double Barb Wire Arm, Add	249.83	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-292.77	
			For Aluminized Steel Gate And Post, Add	749.50	
			For Powder Coated Gate And Post, Add	405.98	
32 31 13 13-0250			5' Fence Height <small>(32 31 13 13-0229)</small>		
32 31 13 13-0251	EA		3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	248.59	29.19
			For Gate With Single Barb Wire Arm, Add	17.69	
			For Gate With Double Barb Wire Arm, Add	25.73	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-30.15	
			For Aluminized Steel Gate And Post, Add	77.18	
			For Powder Coated Gate And Post, Add	41.81	
32 31 13 13-0252	EA		4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	301.49	29.19
			For Gate With Single Barb Wire Arm, Add	23.51	
			For Gate With Double Barb Wire Arm, Add	34.19	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-40.07	
			For Aluminized Steel Gate And Post, Add	102.58	
			For Powder Coated Gate And Post, Add	55.56	
32 31 13 13-0253	EA		5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	347.19	31.05
			For Gate With Single Barb Wire Arm, Add	27.93	
			For Gate With Double Barb Wire Arm, Add	40.62	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-47.61	
			For Aluminized Steel Gate And Post, Add	121.87	
			For Powder Coated Gate And Post, Add	66.01	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31	13 13-0254	EA 6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	408.15	37.31
		<i>For Gate With Single Barb Wire Arm, Add</i>	32.58	
		<i>For Gate With Double Barb Wire Arm, Add</i>	47.39	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-55.54	
		<i>For Aluminized Steel Gate And Post, Add</i>	142.18	
		<i>For Powder Coated Gate And Post, Add</i>	77.01	
32 31	13 13-0255	EA 7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	464.89	43.46
		<i>For Gate With Single Barb Wire Arm, Add</i>	36.77	
		<i>For Gate With Double Barb Wire Arm, Add</i>	53.49	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-62.68	
		<i>For Aluminized Steel Gate And Post, Add</i>	160.46	
		<i>For Powder Coated Gate And Post, Add</i>	86.92	
32 31	13 13-0256	EA 8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	526.96	50.04
		<i>For Gate With Single Barb Wire Arm, Add</i>	41.43	
		<i>For Gate With Double Barb Wire Arm, Add</i>	60.26	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-70.61	
		<i>For Aluminized Steel Gate And Post, Add</i>	180.77	
		<i>For Powder Coated Gate And Post, Add</i>	97.92	
32 31	13 13-0257	EA 9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	585.81	56.29
		<i>For Gate With Single Barb Wire Arm, Add</i>	45.85	
		<i>For Gate With Double Barb Wire Arm, Add</i>	66.69	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-78.15	
		<i>For Aluminized Steel Gate And Post, Add</i>	200.07	
		<i>For Powder Coated Gate And Post, Add</i>	108.37	
32 31	13 13-0258	EA 10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	644.67	62.44
		<i>For Gate With Single Barb Wire Arm, Add</i>	50.27	
		<i>For Gate With Double Barb Wire Arm, Add</i>	73.12	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-85.69	
		<i>For Aluminized Steel Gate And Post, Add</i>	219.36	
		<i>For Powder Coated Gate And Post, Add</i>	118.82	
32 31	13 13-0259	EA 10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	833.03	62.66
		<i>For Gate With Single Barb Wire Arm, Add</i>	70.94	
		<i>For Gate With Double Barb Wire Arm, Add</i>	103.18	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-120.92	
		<i>For Aluminized Steel Gate And Post, Add</i>	309.55	
		<i>For Powder Coated Gate And Post, Add</i>	167.67	
32 31	13 13-0260	EA 12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	976.98	67.49
		<i>For Gate With Single Barb Wire Arm, Add</i>	85.18	
		<i>For Gate With Double Barb Wire Arm, Add</i>	123.90	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-145.20	
		<i>For Aluminized Steel Gate And Post, Add</i>	371.70	
		<i>For Powder Coated Gate And Post, Add</i>	201.34	
32 31	13 13-0261	EA 14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	1,123.34	73.08
		<i>For Gate With Single Barb Wire Arm, Add</i>	99.43	
		<i>For Gate With Double Barb Wire Arm, Add</i>	144.62	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-169.48	
		<i>For Aluminized Steel Gate And Post, Add</i>	433.86	
		<i>For Powder Coated Gate And Post, Add</i>	235.01	
32 31	13 13-0262	EA 16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	1,295.07	87.10
		<i>For Gate With Single Barb Wire Arm, Add</i>	113.67	
		<i>For Gate With Double Barb Wire Arm, Add</i>	165.34	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-193.76	
		<i>For Aluminized Steel Gate And Post, Add</i>	496.01	
		<i>For Powder Coated Gate And Post, Add</i>	268.67	
32 31	13 13-0263	EA 18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	1,440.70	93.36
		<i>For Gate With Single Barb Wire Arm, Add</i>	127.63	
		<i>For Gate With Double Barb Wire Arm, Add</i>	185.65	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-217.56	
		<i>For Aluminized Steel Gate And Post, Add</i>	556.94	
		<i>For Powder Coated Gate And Post, Add</i>	301.68	
32 31	13 13-0264	EA 20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	1,594.31	100.60
		<i>For Gate With Single Barb Wire Arm, Add</i>	142.16	
		<i>For Gate With Double Barb Wire Arm, Add</i>	206.77	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-242.31	
		<i>For Aluminized Steel Gate And Post, Add</i>	620.32	
		<i>For Powder Coated Gate And Post, Add</i>	336.01	
32 31	13 13-0265	EA 22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	1,748.96	108.94
		<i>For Gate With Single Barb Wire Arm, Add</i>	156.40	
		<i>For Gate With Double Barb Wire Arm, Add</i>	227.49	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-266.59	
		<i>For Aluminized Steel Gate And Post, Add</i>	682.47	
		<i>For Powder Coated Gate And Post, Add</i>	369.67	
32 31	13 13-0266	EA 24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	1,905.65	118.87
		<i>For Gate With Single Barb Wire Arm, Add</i>	170.36	
		<i>For Gate With Double Barb Wire Arm, Add</i>	247.80	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-290.39	
		<i>For Aluminized Steel Gate And Post, Add</i>	743.41	
		<i>For Powder Coated Gate And Post, Add</i>	402.68	
32 31	13 13-0267	EA 26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	2,073.36	130.78
		<i>For Gate With Single Barb Wire Arm, Add</i>	184.89	
		<i>For Gate With Double Barb Wire Arm, Add</i>	268.93	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-315.15	
		<i>For Aluminized Steel Gate And Post, Add</i>	806.78	
		<i>For Powder Coated Gate And Post, Add</i>	437.01	
32 31	13 13-0268	EA 28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	2,244.87	145.25
		<i>For Gate With Single Barb Wire Arm, Add</i>	198.95	
		<i>For Gate With Double Barb Wire Arm, Add</i>	289.39	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-339.13	
		<i>For Aluminized Steel Gate And Post, Add</i>	868.17	
		<i>For Powder Coated Gate And Post, Add</i>	470.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0269	EA		30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	2,425.40 212.82 309.55 -362.75 928.65 503.02	163.40
32 31 13 13-0270			6' Fence Height <small>(32 31 13 13-0229)</small>		
32 31 13 13-0271	EA		3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	266.50 18.97 27.59 -32.33 82.77 44.83	31.28
32 31 13 13-0272	EA		4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	323.62 25.25 36.73 -43.04 110.19 59.69	31.28
32 31 13 13-0273	EA		5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	373.13 30.06 43.72 -51.24 131.16 71.05	33.25
32 31 13 13-0274	EA		6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	435.96 34.68 50.44 -59.11 151.32 81.97	40.17
32 31 13 13-0275	EA		7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	501.24 39.57 57.55 -67.44 172.65 93.52	47.19
32 31 13 13-0276	EA		8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	563.31 44.22 64.32 -75.38 192.96 104.52	53.78
32 31 13 13-0277	EA		9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	626.49 48.88 71.09 -83.31 213.27 115.52	60.69
32 31 13 13-0278	EA		10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	670.60 51.43 74.81 -87.67 224.44 121.57	67.60
32 31 13 13-0279	EA		10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	890.66 75.69 110.09 -129.01 330.27 178.90	67.49
32 31 13 13-0280	EA		12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	1,044.63 90.77 132.03 -154.72 396.08 214.54	73.08
32 31 13 13-0281	EA		14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	1,245.20 106.13 154.37 -180.90 463.10 250.85	93.36
32 31 13 13-0282	EA		16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	1,403.89 121.21 176.31 -206.61 528.92 286.50	100.60
32 31 13 13-0283	EA		18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	1,568.69 136.57 198.65 -232.79 595.94 322.80	108.94

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0284	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,738.07	118.87
		<i>For Gate With Single Barb Wire Arm, Add</i>	151.93	
		<i>For Gate With Double Barb Wire Arm, Add</i>	220.99	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-258.97	
		<i>For Aluminized Steel Gate And Post, Add</i>	662.97	
		<i>For Powder Coated Gate And Post, Add</i>	359.11	
32 31 13 13-0285	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,910.87	130.78
		<i>For Gate With Single Barb Wire Arm, Add</i>	167.01	
		<i>For Gate With Double Barb Wire Arm, Add</i>	242.93	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-284.68	
		<i>For Aluminized Steel Gate And Post, Add</i>	728.78	
		<i>For Powder Coated Gate And Post, Add</i>	394.76	
32 31 13 13-0286	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,092.86	145.25
		<i>For Gate With Single Barb Wire Arm, Add</i>	182.23	
		<i>For Gate With Double Barb Wire Arm, Add</i>	265.07	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-310.63	
		<i>For Aluminized Steel Gate And Post, Add</i>	795.20	
		<i>For Powder Coated Gate And Post, Add</i>	430.73	
32 31 13 13-0287	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,284.23	163.40
		<i>For Gate With Single Barb Wire Arm, Add</i>	197.29	
		<i>For Gate With Double Barb Wire Arm, Add</i>	286.96	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-336.29	
		<i>For Aluminized Steel Gate And Post, Add</i>	860.89	
		<i>For Powder Coated Gate And Post, Add</i>	466.32	
32 31 13 13-0288	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,492.96	186.71
		<i>For Gate With Single Barb Wire Arm, Add</i>	212.54	
		<i>For Gate With Double Barb Wire Arm, Add</i>	309.14	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-362.28	
		<i>For Aluminized Steel Gate And Post, Add</i>	927.43	
		<i>For Powder Coated Gate And Post, Add</i>	502.36	
32 31 13 13-0289	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,725.31	217.87
		<i>For Gate With Single Barb Wire Arm, Add</i>	227.81	
		<i>For Gate With Double Barb Wire Arm, Add</i>	331.36	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-388.32	
		<i>For Aluminized Steel Gate And Post, Add</i>	994.09	
		<i>For Powder Coated Gate And Post, Add</i>	538.47	
32 31 13 13-0290		7' Fence Height (32 31 13 13-0229)		
32 31 13 13-0291	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	281.14	33.69
		<i>For Gate With Single Barb Wire Arm, Add</i>	19.78	
		<i>For Gate With Double Barb Wire Arm, Add</i>	28.77	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-33.72	
		<i>For Aluminized Steel Gate And Post, Add</i>	86.32	
		<i>For Powder Coated Gate And Post, Add</i>	46.76	
32 31 13 13-0292	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	340.39	33.69
		<i>For Gate With Single Barb Wire Arm, Add</i>	26.30	
		<i>For Gate With Double Barb Wire Arm, Add</i>	38.25	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-44.83	
		<i>For Aluminized Steel Gate And Post, Add</i>	114.76	
		<i>For Powder Coated Gate And Post, Add</i>	62.16	
32 31 13 13-0293	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	393.52	35.45
		<i>For Gate With Single Barb Wire Arm, Add</i>	31.58	
		<i>For Gate With Double Barb Wire Arm, Add</i>	45.93	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-53.83	
		<i>For Aluminized Steel Gate And Post, Add</i>	137.79	
		<i>For Powder Coated Gate And Post, Add</i>	74.64	
32 31 13 13-0294	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	481.73	43.13
		<i>For Gate With Single Barb Wire Arm, Add</i>	38.75	
		<i>For Gate With Double Barb Wire Arm, Add</i>	56.36	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-66.05	
		<i>For Aluminized Steel Gate And Post, Add</i>	169.08	
		<i>For Powder Coated Gate And Post, Add</i>	91.58	
32 31 13 13-0295	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	568.86	50.48
		<i>For Gate With Single Barb Wire Arm, Add</i>	45.92	
		<i>For Gate With Double Barb Wire Arm, Add</i>	66.79	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-78.27	
		<i>For Aluminized Steel Gate And Post, Add</i>	200.37	
		<i>For Powder Coated Gate And Post, Add</i>	108.53	
32 31 13 13-0296	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	657.08	58.06
		<i>For Gate With Single Barb Wire Arm, Add</i>	53.08	
		<i>For Gate With Double Barb Wire Arm, Add</i>	77.21	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-90.49	
		<i>For Aluminized Steel Gate And Post, Add</i>	231.64	
		<i>For Powder Coated Gate And Post, Add</i>	125.47	
32 31 13 13-0297	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	744.21	65.41
		<i>For Gate With Single Barb Wire Arm, Add</i>	60.26	
		<i>For Gate With Double Barb Wire Arm, Add</i>	87.64	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-102.71	
		<i>For Aluminized Steel Gate And Post, Add</i>	262.93	
		<i>For Powder Coated Gate And Post, Add</i>	142.42	
32 31 13 13-0298	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	820.67	73.08
		<i>For Gate With Single Barb Wire Arm, Add</i>	66.13	
		<i>For Gate With Double Barb Wire Arm, Add</i>	96.19	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-112.73	
		<i>For Aluminized Steel Gate And Post, Add</i>	288.58	
		<i>For Powder Coated Gate And Post, Add</i>	156.31	

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

32 31 13 13-0299	EA		10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,008.63	73.08
			<i>For Gate With Single Barb Wire Arm, Add</i>	86.81	
			<i>For Gate With Double Barb Wire Arm, Add</i>	126.27	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-147.97	
			<i>For Aluminized Steel Gate And Post, Add</i>	378.80	
			<i>For Powder Coated Gate And Post, Add</i>	205.18	
32 31 13 13-0300	EA		12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,157.88	93.36
			<i>For Gate With Single Barb Wire Arm, Add</i>	96.52	
			<i>For Gate With Double Barb Wire Arm, Add</i>	140.40	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-164.53	
			<i>For Aluminized Steel Gate And Post, Add</i>	421.19	
			<i>For Powder Coated Gate And Post, Add</i>	228.14	
32 31 13 13-0301	EA		14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,325.71	100.60
			<i>For Gate With Single Barb Wire Arm, Add</i>	112.61	
			<i>For Gate With Double Barb Wire Arm, Add</i>	163.80	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-191.95	
			<i>For Aluminized Steel Gate And Post, Add</i>	491.39	
			<i>For Powder Coated Gate And Post, Add</i>	266.17	
32 31 13 13-0302	EA		16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,484.91	108.94
			<i>For Gate With Single Barb Wire Arm, Add</i>	127.35	
			<i>For Gate With Double Barb Wire Arm, Add</i>	185.24	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-217.08	
			<i>For Aluminized Steel Gate And Post, Add</i>	555.73	
			<i>For Powder Coated Gate And Post, Add</i>	301.02	
32 31 13 13-0303	EA		18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,661.91	118.87
			<i>For Gate With Single Barb Wire Arm, Add</i>	143.55	
			<i>For Gate With Double Barb Wire Arm, Add</i>	208.80	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-244.69	
			<i>For Aluminized Steel Gate And Post, Add</i>	626.41	
			<i>For Powder Coated Gate And Post, Add</i>	339.31	
32 31 13 13-0304	EA		20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,842.32	130.78
			<i>For Gate With Single Barb Wire Arm, Add</i>	159.47	
			<i>For Gate With Double Barb Wire Arm, Add</i>	231.96	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-271.83	
			<i>For Aluminized Steel Gate And Post, Add</i>	695.88	
			<i>For Powder Coated Gate And Post, Add</i>	376.94	
32 31 13 13-0305	EA		22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,030.66	145.25
			<i>For Gate With Single Barb Wire Arm, Add</i>	175.39	
			<i>For Gate With Double Barb Wire Arm, Add</i>	255.12	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-298.96	
			<i>For Aluminized Steel Gate And Post, Add</i>	765.35	
			<i>For Powder Coated Gate And Post, Add</i>	414.56	
32 31 13 13-0306	EA		24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,229.90	163.40
			<i>For Gate With Single Barb Wire Arm, Add</i>	191.31	
			<i>For Gate With Double Barb Wire Arm, Add</i>	278.27	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-326.10	
			<i>For Aluminized Steel Gate And Post, Add</i>	834.81	
			<i>For Powder Coated Gate And Post, Add</i>	452.19	
32 31 13 13-0307	EA		26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,444.72	186.71
			<i>For Gate With Single Barb Wire Arm, Add</i>	207.23	
			<i>For Gate With Double Barb Wire Arm, Add</i>	301.43	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-353.23	
			<i>For Aluminized Steel Gate And Post, Add</i>	904.28	
			<i>For Powder Coated Gate And Post, Add</i>	489.82	
32 31 13 13-0308	EA		28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,682.91	217.87
			<i>For Gate With Single Barb Wire Arm, Add</i>	223.15	
			<i>For Gate With Double Barb Wire Arm, Add</i>	324.58	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-380.37	
			<i>For Aluminized Steel Gate And Post, Add</i>	973.74	
			<i>For Powder Coated Gate And Post, Add</i>	527.44	
32 31 13 13-0309	EA		30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,958.48	261.43
			<i>For Gate With Single Barb Wire Arm, Add</i>	239.07	
			<i>For Gate With Double Barb Wire Arm, Add</i>	347.74	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-407.50	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,043.21	
			<i>For Powder Coated Gate And Post, Add</i>	565.07	

32 31 13 13-0310 8' Fence Height (32 31 13 13-0229)

32 31 13 13-0311	EA		3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	324.53	36.55
			<i>For Gate With Single Barb Wire Arm, Add</i>	23.63	
			<i>For Gate With Double Barb Wire Arm, Add</i>	34.37	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-40.27	
			<i>For Aluminized Steel Gate And Post, Add</i>	103.10	
			<i>For Powder Coated Gate And Post, Add</i>	55.85	
32 31 13 13-0312	EA		4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	396.12	36.55
			<i>For Gate With Single Barb Wire Arm, Add</i>	31.50	
			<i>For Gate With Double Barb Wire Arm, Add</i>	45.82	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-53.70	
			<i>For Aluminized Steel Gate And Post, Add</i>	137.46	
			<i>For Powder Coated Gate And Post, Add</i>	74.46	
32 31 13 13-0313	EA		5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	459.18	40.72
			<i>For Gate With Single Barb Wire Arm, Add</i>	37.05	
			<i>For Gate With Double Barb Wire Arm, Add</i>	53.89	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-63.15	
			<i>For Aluminized Steel Gate And Post, Add</i>	161.67	
			<i>For Powder Coated Gate And Post, Add</i>	87.57	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0314	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	525.51	46.09
		<i>For Gate With Single Barb Wire Arm, Add</i>	42.60	
		<i>For Gate With Double Barb Wire Arm, Add</i>	61.96	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-72.61	
		<i>For Aluminized Steel Gate And Post, Add</i>	185.88	
		<i>For Powder Coated Gate And Post, Add</i>	100.69	
32 31 13 13-0315	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	604.50	55.53
		<i>For Gate With Single Barb Wire Arm, Add</i>	48.15	
		<i>For Gate With Double Barb Wire Arm, Add</i>	70.03	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-82.07	
		<i>For Aluminized Steel Gate And Post, Add</i>	210.10	
		<i>For Powder Coated Gate And Post, Add</i>	113.80	
32 31 13 13-0316	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	682.37	64.63
		<i>For Gate With Single Barb Wire Arm, Add</i>	53.70	
		<i>For Gate With Double Barb Wire Arm, Add</i>	78.10	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-91.53	
		<i>For Aluminized Steel Gate And Post, Add</i>	234.31	
		<i>For Powder Coated Gate And Post, Add</i>	126.92	
32 31 13 13-0317	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	761.35	74.18
		<i>For Gate With Single Barb Wire Arm, Add</i>	59.24	
		<i>For Gate With Double Barb Wire Arm, Add</i>	86.17	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-100.98	
		<i>For Aluminized Steel Gate And Post, Add</i>	258.52	
		<i>For Powder Coated Gate And Post, Add</i>	140.03	
32 31 13 13-0318	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	840.31	83.73
		<i>For Gate With Single Barb Wire Arm, Add</i>	64.79	
		<i>For Gate With Double Barb Wire Arm, Add</i>	94.24	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-110.44	
		<i>For Aluminized Steel Gate And Post, Add</i>	282.73	
		<i>For Powder Coated Gate And Post, Add</i>	153.15	
32 31 13 13-0319	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,163.94	93.36
		<i>For Gate With Single Barb Wire Arm, Add</i>	97.19	
		<i>For Gate With Double Barb Wire Arm, Add</i>	141.37	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-165.66	
		<i>For Aluminized Steel Gate And Post, Add</i>	424.10	
		<i>For Powder Coated Gate And Post, Add</i>	229.72	
32 31 13 13-0320	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,355.65	100.60
		<i>For Gate With Single Barb Wire Arm, Add</i>	115.90	
		<i>For Gate With Double Barb Wire Arm, Add</i>	168.59	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-197.56	
		<i>For Aluminized Steel Gate And Post, Add</i>	505.76	
		<i>For Powder Coated Gate And Post, Add</i>	273.95	
32 31 13 13-0321	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,553.46	108.94
		<i>For Gate With Single Barb Wire Arm, Add</i>	134.90	
		<i>For Gate With Double Barb Wire Arm, Add</i>	196.21	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-229.94	
		<i>For Aluminized Steel Gate And Post, Add</i>	588.63	
		<i>For Powder Coated Gate And Post, Add</i>	318.84	
32 31 13 13-0322	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,760.92	118.87
		<i>For Gate With Single Barb Wire Arm, Add</i>	154.44	
		<i>For Gate With Double Barb Wire Arm, Add</i>	224.65	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-263.26	
		<i>For Aluminized Steel Gate And Post, Add</i>	673.94	
		<i>For Powder Coated Gate And Post, Add</i>	365.05	
32 31 13 13-0323	EA	18' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,974.34	130.78
		<i>For Gate With Single Barb Wire Arm, Add</i>	173.99	
		<i>For Gate With Double Barb Wire Arm, Add</i>	253.08	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-296.58	
		<i>For Aluminized Steel Gate And Post, Add</i>	759.25	
		<i>For Powder Coated Gate And Post, Add</i>	411.26	
32 31 13 13-0324	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	2,193.15	145.25
		<i>For Gate With Single Barb Wire Arm, Add</i>	193.27	
		<i>For Gate With Double Barb Wire Arm, Add</i>	281.11	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-329.43	
		<i>For Aluminized Steel Gate And Post, Add</i>	843.34	
		<i>For Powder Coated Gate And Post, Add</i>	456.81	
32 31 13 13-0325	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	2,420.32	163.40
		<i>For Gate With Single Barb Wire Arm, Add</i>	212.26	
		<i>For Gate With Double Barb Wire Arm, Add</i>	308.74	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-361.80	
		<i>For Aluminized Steel Gate And Post, Add</i>	926.21	
		<i>For Powder Coated Gate And Post, Add</i>	501.70	
32 31 13 13-0326	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	2,668.15	186.71
		<i>For Gate With Single Barb Wire Arm, Add</i>	231.81	
		<i>For Gate With Double Barb Wire Arm, Add</i>	337.17	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-395.13	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,011.52	
		<i>For Powder Coated Gate And Post, Add</i>	547.91	
32 31 13 13-0327	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	2,939.34	217.87
		<i>For Gate With Single Barb Wire Arm, Add</i>	251.36	
		<i>For Gate With Double Barb Wire Arm, Add</i>	365.61	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-428.45	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,096.83	
		<i>For Powder Coated Gate And Post, Add</i>	594.12	
32 31 13 13-0328	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	3,245.38	261.43
		<i>For Gate With Single Barb Wire Arm, Add</i>	270.63	
		<i>For Gate With Double Barb Wire Arm, Add</i>	393.64	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-461.30	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,180.92	
		<i>For Powder Coated Gate And Post, Add</i>	639.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0329	EA		30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,616.86	326.82
			<i>For Gate With Single Barb Wire Arm, Add</i>	289.90	
			<i>For Gate With Double Barb Wire Arm, Add</i>	421.67	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-494.15	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,265.01	
			<i>For Powder Coated Gate And Post, Add</i>	685.21	
32 31 13 13-0330			10' Fence Height <small>(32 31 13 13-0229)</small>		
32 31 13 13-0331	EA		3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	399.69	40.60
			<i>For Gate With Single Barb Wire Arm, Add</i>	30.55	
			<i>For Gate With Double Barb Wire Arm, Add</i>	44.44	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-52.08	
			<i>For Aluminized Steel Gate And Post, Add</i>	133.32	
			<i>For Powder Coated Gate And Post, Add</i>	72.22	
32 31 13 13-0332	EA		4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	492.27	40.60
			<i>For Gate With Single Barb Wire Arm, Add</i>	40.74	
			<i>For Gate With Double Barb Wire Arm, Add</i>	59.25	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-69.44	
			<i>For Aluminized Steel Gate And Post, Add</i>	177.76	
			<i>For Powder Coated Gate And Post, Add</i>	96.29	
32 31 13 13-0333	EA		5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	562.85	42.36
			<i>For Gate With Single Barb Wire Arm, Add</i>	47.91	
			<i>For Gate With Double Barb Wire Arm, Add</i>	69.69	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-81.67	
			<i>For Aluminized Steel Gate And Post, Add</i>	209.07	
			<i>For Powder Coated Gate And Post, Add</i>	113.25	
32 31 13 13-0334	EA		6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	658.81	52.67
			<i>For Gate With Single Barb Wire Arm, Add</i>	55.09	
			<i>For Gate With Double Barb Wire Arm, Add</i>	80.13	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-93.90	
			<i>For Aluminized Steel Gate And Post, Add</i>	240.38	
			<i>For Powder Coated Gate And Post, Add</i>	130.21	
32 31 13 13-0335	EA		7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	754.13	62.44
			<i>For Gate With Single Barb Wire Arm, Add</i>	62.26	
			<i>For Gate With Double Barb Wire Arm, Add</i>	90.56	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-106.13	
			<i>For Aluminized Steel Gate And Post, Add</i>	271.68	
			<i>For Powder Coated Gate And Post, Add</i>	147.16	
32 31 13 13-0336	EA		8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	849.61	72.76
			<i>For Gate With Single Barb Wire Arm, Add</i>	69.44	
			<i>For Gate With Double Barb Wire Arm, Add</i>	101.00	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-118.36	
			<i>For Aluminized Steel Gate And Post, Add</i>	302.99	
			<i>For Powder Coated Gate And Post, Add</i>	164.12	
32 31 13 13-0337	EA		9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	944.46	82.64
			<i>For Gate With Single Barb Wire Arm, Add</i>	76.61	
			<i>For Gate With Double Barb Wire Arm, Add</i>	111.43	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-130.59	
			<i>For Aluminized Steel Gate And Post, Add</i>	334.30	
			<i>For Powder Coated Gate And Post, Add</i>	181.08	
32 31 13 13-0338	EA		10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,040.42	92.84
			<i>For Gate With Single Barb Wire Arm, Add</i>	83.79	
			<i>For Gate With Double Barb Wire Arm, Add</i>	121.87	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-142.82	
			<i>For Aluminized Steel Gate And Post, Add</i>	365.61	
			<i>For Powder Coated Gate And Post, Add</i>	198.04	
32 31 13 13-0339	EA		10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,454.08	103.78
			<i>For Gate With Single Barb Wire Arm, Add</i>	125.68	
			<i>For Gate With Double Barb Wire Arm, Add</i>	182.80	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-214.22	
			<i>For Aluminized Steel Gate And Post, Add</i>	548.41	
			<i>For Powder Coated Gate And Post, Add</i>	297.06	
32 31 13 13-0340	EA		12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,579.52	111.64
			<i>For Gate With Single Barb Wire Arm, Add</i>	136.85	
			<i>For Gate With Double Barb Wire Arm, Add</i>	199.06	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-233.27	
			<i>For Aluminized Steel Gate And Post, Add</i>	597.17	
			<i>For Powder Coated Gate And Post, Add</i>	323.47	
32 31 13 13-0341	EA		14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,790.39	121.08
			<i>For Gate With Single Barb Wire Arm, Add</i>	156.96	
			<i>For Gate With Double Barb Wire Arm, Add</i>	228.30	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-267.54	
			<i>For Aluminized Steel Gate And Post, Add</i>	684.91	
			<i>For Powder Coated Gate And Post, Add</i>	370.99	
32 31 13 13-0342	EA		16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,026.38	132.00
			<i>For Gate With Single Barb Wire Arm, Add</i>	179.30	
			<i>For Gate With Double Barb Wire Arm, Add</i>	260.80	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-305.63	
			<i>For Aluminized Steel Gate And Post, Add</i>	782.40	
			<i>For Powder Coated Gate And Post, Add</i>	423.80	
32 31 13 13-0343	EA		18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,269.32	145.25
			<i>For Gate With Single Barb Wire Arm, Add</i>	201.64	
			<i>For Gate With Double Barb Wire Arm, Add</i>	293.30	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-343.71	
			<i>For Aluminized Steel Gate And Post, Add</i>	879.90	
			<i>For Powder Coated Gate And Post, Add</i>	476.61	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0344	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,521.93	161.33
		<i>For Gate With Single Barb Wire Arm, Add</i>	224.13	
		<i>For Gate With Double Barb Wire Arm, Add</i>	326.00	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-382.04	
		<i>For Aluminized Steel Gate And Post, Add</i>	978.01	
		<i>For Powder Coated Gate And Post, Add</i>	529.76	
32 31 13 13-0345	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,787.14	181.56
		<i>For Gate With Single Barb Wire Arm, Add</i>	246.61	
		<i>For Gate With Double Barb Wire Arm, Add</i>	358.70	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-420.36	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,076.11	
		<i>For Powder Coated Gate And Post, Add</i>	582.89	
32 31 13 13-0346	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,067.75	207.33
		<i>For Gate With Single Barb Wire Arm, Add</i>	268.95	
		<i>For Gate With Double Barb Wire Arm, Add</i>	391.20	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-458.44	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,173.61	
		<i>For Powder Coated Gate And Post, Add</i>	635.71	
32 31 13 13-0347	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,375.12	242.04
		<i>For Gate With Single Barb Wire Arm, Add</i>	291.30	
		<i>For Gate With Double Barb Wire Arm, Add</i>	423.70	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-496.53	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,271.11	
		<i>For Powder Coated Gate And Post, Add</i>	688.52	
32 31 13 13-0348	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,722.84	290.26
		<i>For Gate With Single Barb Wire Arm, Add</i>	313.64	
		<i>For Gate With Double Barb Wire Arm, Add</i>	456.20	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-534.61	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,368.60	
		<i>For Powder Coated Gate And Post, Add</i>	741.33	
32 31 13 13-0349	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,147.37	363.12
		<i>For Gate With Single Barb Wire Arm, Add</i>	336.26	
		<i>For Gate With Double Barb Wire Arm, Add</i>	489.11	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-573.17	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,467.32	
		<i>For Powder Coated Gate And Post, Add</i>	794.80	
32 31 13 13-0350		12' Fence Height (32 31 13 13-0229)		
32 31 13 13-0351	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	491.00	45.10
		<i>For Gate With Single Barb Wire Arm, Add</i>	39.11	
		<i>For Gate With Double Barb Wire Arm, Add</i>	56.88	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-66.66	
		<i>For Aluminized Steel Gate And Post, Add</i>	170.65	
		<i>For Powder Coated Gate And Post, Add</i>	92.44	
32 31 13 13-0352	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	609.49	45.10
		<i>For Gate With Single Barb Wire Arm, Add</i>	52.14	
		<i>For Gate With Double Barb Wire Arm, Add</i>	75.84	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-88.88	
		<i>For Aluminized Steel Gate And Post, Add</i>	227.52	
		<i>For Powder Coated Gate And Post, Add</i>	123.24	
32 31 13 13-0353	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	697.98	46.75
		<i>For Gate With Single Barb Wire Arm, Add</i>	61.33	
		<i>For Gate With Double Barb Wire Arm, Add</i>	89.20	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-104.53	
		<i>For Aluminized Steel Gate And Post, Add</i>	267.60	
		<i>For Powder Coated Gate And Post, Add</i>	144.95	
32 31 13 13-0354	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	815.49	58.06
		<i>For Gate With Single Barb Wire Arm, Add</i>	70.51	
		<i>For Gate With Double Barb Wire Arm, Add</i>	102.56	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-120.19	
		<i>For Aluminized Steel Gate And Post, Add</i>	307.68	
		<i>For Powder Coated Gate And Post, Add</i>	166.66	
32 31 13 13-0355	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	494.05	69.46
		<i>For Gate With Single Barb Wire Arm, Add</i>	31.41	
		<i>For Gate With Double Barb Wire Arm, Add</i>	45.69	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-53.54	
		<i>For Aluminized Steel Gate And Post, Add</i>	137.06	
		<i>For Powder Coated Gate And Post, Add</i>	74.24	
32 31 13 13-0356	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	559.87	80.43
		<i>For Gate With Single Barb Wire Arm, Add</i>	35.03	
		<i>For Gate With Double Barb Wire Arm, Add</i>	50.95	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-59.71	
		<i>For Aluminized Steel Gate And Post, Add</i>	152.85	
		<i>For Powder Coated Gate And Post, Add</i>	82.79	
32 31 13 13-0357	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	626.80	91.74
		<i>For Gate With Single Barb Wire Arm, Add</i>	38.65	
		<i>For Gate With Double Barb Wire Arm, Add</i>	56.22	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-65.88	
		<i>For Aluminized Steel Gate And Post, Add</i>	168.65	
		<i>For Powder Coated Gate And Post, Add</i>	91.35	
32 31 13 13-0358	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	693.72	103.04
		<i>For Gate With Single Barb Wire Arm, Add</i>	42.27	
		<i>For Gate With Double Barb Wire Arm, Add</i>	61.48	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-72.05	
		<i>For Aluminized Steel Gate And Post, Add</i>	184.44	
		<i>For Powder Coated Gate And Post, Add</i>	99.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0359	EA		10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	881.54	115.31
			<i>For Gate With Single Barb Wire Arm, Add</i>	58.89	
			<i>For Gate With Double Barb Wire Arm, Add</i>	85.66	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-100.38	
			<i>For Aluminized Steel Gate And Post, Add</i>	256.97	
			<i>For Powder Coated Gate And Post, Add</i>	139.19	
32 31 13 13-0360	EA		12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	961.00	124.15
			<i>For Gate With Single Barb Wire Arm, Add</i>	64.72	
			<i>For Gate With Double Barb Wire Arm, Add</i>	94.14	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-110.33	
			<i>For Aluminized Steel Gate And Post, Add</i>	282.43	
			<i>For Powder Coated Gate And Post, Add</i>	152.98	
32 31 13 13-0361	EA		14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,078.33	134.46
			<i>For Gate With Single Barb Wire Arm, Add</i>	74.19	
			<i>For Gate With Double Barb Wire Arm, Add</i>	107.91	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-126.46	
			<i>For Aluminized Steel Gate And Post, Add</i>	323.74	
			<i>For Powder Coated Gate And Post, Add</i>	175.36	
32 31 13 13-0362	EA		16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,211.01	146.60
			<i>For Gate With Single Barb Wire Arm, Add</i>	84.76	
			<i>For Gate With Double Barb Wire Arm, Add</i>	123.28	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-144.47	
			<i>For Aluminized Steel Gate And Post, Add</i>	369.85	
			<i>For Powder Coated Gate And Post, Add</i>	200.34	
32 31 13 13-0363	EA		18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,683.15	161.44
			<i>For Gate With Single Barb Wire Arm, Add</i>	241.86	
			<i>For Gate With Double Barb Wire Arm, Add</i>	351.80	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-412.26	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,055.40	
			<i>For Powder Coated Gate And Post, Add</i>	571.67	
32 31 13 13-0364	EA		20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,983.08	179.23
			<i>For Gate With Single Barb Wire Arm, Add</i>	268.95	
			<i>For Gate With Double Barb Wire Arm, Add</i>	391.20	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-458.44	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,173.61	
			<i>For Powder Coated Gate And Post, Add</i>	635.71	
32 31 13 13-0365	EA		22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,294.58	201.68
			<i>For Gate With Single Barb Wire Arm, Add</i>	295.76	
			<i>For Gate With Double Barb Wire Arm, Add</i>	430.20	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-504.14	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,290.60	
			<i>For Powder Coated Gate And Post, Add</i>	699.08	
32 31 13 13-0366	EA		24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,626.96	230.39
			<i>For Gate With Single Barb Wire Arm, Add</i>	322.85	
			<i>For Gate With Double Barb Wire Arm, Add</i>	469.61	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-550.32	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,408.82	
			<i>For Powder Coated Gate And Post, Add</i>	763.11	
32 31 13 13-0367	EA		26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,983.99	269.03
			<i>For Gate With Single Barb Wire Arm, Add</i>	349.39	
			<i>For Gate With Double Barb Wire Arm, Add</i>	508.20	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-595.55	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,524.60	
			<i>For Powder Coated Gate And Post, Add</i>	825.82	
32 31 13 13-0368	EA		28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	4,388.42	322.51
			<i>For Gate With Single Barb Wire Arm, Add</i>	376.20	
			<i>For Gate With Double Barb Wire Arm, Add</i>	547.20	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-641.25	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,641.59	
			<i>For Powder Coated Gate And Post, Add</i>	889.19	
32 31 13 13-0369	EA		30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	4,877.89	403.48
			<i>For Gate With Single Barb Wire Arm, Add</i>	403.29	
			<i>For Gate With Double Barb Wire Arm, Add</i>	586.60	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-687.42	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,759.80	
			<i>For Powder Coated Gate And Post, Add</i>	953.23	
32 31 13 13-0370			Vinyl Coated Without Barb Wire Arm <small>(32 31 13 13-0228)</small>		
			Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0371			4' Fence Height <small>(32 31 13 13-0370)</small>		
32 31 13 13-0372	EA		3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	149.08	27.43
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-12.52	
			<i>For Gate With Single Barb Wire Arm, Add</i>	7.34	
			<i>For Gate With Double Barb Wire Arm, Add</i>	10.68	
32 31 13 13-0373	EA		4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	171.34	27.43
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-16.69	
			<i>For Gate With Single Barb Wire Arm, Add</i>	9.79	
			<i>For Gate With Double Barb Wire Arm, Add</i>	14.24	
32 31 13 13-0374	EA		5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	195.37	29.19
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-20.17	
			<i>For Gate With Single Barb Wire Arm, Add</i>	11.83	
			<i>For Gate With Double Barb Wire Arm, Add</i>	17.21	
32 31 13 13-0375	EA		6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	231.48	35.12
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-23.65	
			<i>For Gate With Single Barb Wire Arm, Add</i>	13.87	
			<i>For Gate With Double Barb Wire Arm, Add</i>	20.18	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0376	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	267.57	40.93
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-27.13	
		<i>For Gate With Single Barb Wire Arm, Add</i>	15.91	
		<i>For Gate With Double Barb Wire Arm, Add</i>	23.15	
32 31 13 13-0377	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	303.70	46.75
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-30.61	
		<i>For Gate With Single Barb Wire Arm, Add</i>	17.96	
		<i>For Gate With Double Barb Wire Arm, Add</i>	26.12	
32 31 13 13-0378	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	339.80	52.67
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-34.08	
		<i>For Gate With Single Barb Wire Arm, Add</i>	19.99	
		<i>For Gate With Double Barb Wire Arm, Add</i>	29.08	
32 31 13 13-0379	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	375.90	58.50
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-37.56	
		<i>For Gate With Single Barb Wire Arm, Add</i>	22.04	
		<i>For Gate With Double Barb Wire Arm, Add</i>	32.05	
32 31 13 13-0380	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	442.67	58.50
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-50.08	
		<i>For Gate With Single Barb Wire Arm, Add</i>	29.38	
		<i>For Gate With Double Barb Wire Arm, Add</i>	42.73	
32 31 13 13-0381	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	508.64	62.66
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-60.10	
		<i>For Gate With Single Barb Wire Arm, Add</i>	35.26	
		<i>For Gate With Double Barb Wire Arm, Add</i>	51.28	
32 31 13 13-0382	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	576.53	67.49
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-70.11	
		<i>For Gate With Single Barb Wire Arm, Add</i>	41.13	
		<i>For Gate With Double Barb Wire Arm, Add</i>	59.83	
32 31 13 13-0383	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	646.82	73.08
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-80.13	
		<i>For Gate With Single Barb Wire Arm, Add</i>	47.01	
		<i>For Gate With Double Barb Wire Arm, Add</i>	68.38	
32 31 13 13-0384	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	742.48	87.10
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-90.14	
		<i>For Gate With Single Barb Wire Arm, Add</i>	52.88	
		<i>For Gate With Double Barb Wire Arm, Add</i>	76.92	
32 31 13 13-0385	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	814.59	93.36
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-100.16	
		<i>For Gate With Single Barb Wire Arm, Add</i>	58.76	
		<i>For Gate With Double Barb Wire Arm, Add</i>	85.47	
32 31 13 13-0386	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	889.59	100.60
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-110.18	
		<i>For Gate With Single Barb Wire Arm, Add</i>	64.64	
		<i>For Gate With Double Barb Wire Arm, Add</i>	94.02	
32 31 13 13-0387	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	968.17	108.94
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-120.19	
		<i>For Gate With Single Barb Wire Arm, Add</i>	70.51	
		<i>For Gate With Double Barb Wire Arm, Add</i>	102.56	
32 31 13 13-0388	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,051.33	118.87
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-130.21	
		<i>For Gate With Single Barb Wire Arm, Add</i>	76.39	
		<i>For Gate With Double Barb Wire Arm, Add</i>	111.11	
32 31 13 13-0389	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,140.43	130.78
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-140.22	
		<i>For Gate With Single Barb Wire Arm, Add</i>	82.26	
		<i>For Gate With Double Barb Wire Arm, Add</i>	119.66	
32 31 13 13-0390	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,237.47	145.25
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-150.24	
		<i>For Gate With Single Barb Wire Arm, Add</i>	88.14	
		<i>For Gate With Double Barb Wire Arm, Add</i>	128.20	
32 31 13 13-0391		5' Fence Height <small>(32 31 13 13-0370)</small>		
32 31 13 13-0392	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	170.53	29.19
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-15.51	
		<i>For Gate With Single Barb Wire Arm, Add</i>	9.10	
		<i>For Gate With Double Barb Wire Arm, Add</i>	13.24	
32 31 13 13-0393	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	198.11	29.19
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-20.69	
		<i>For Gate With Single Barb Wire Arm, Add</i>	12.14	
		<i>For Gate With Double Barb Wire Arm, Add</i>	17.65	
32 31 13 13-0394	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	224.29	31.05
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-24.56	
		<i>For Gate With Single Barb Wire Arm, Add</i>	14.41	
		<i>For Gate With Double Barb Wire Arm, Add</i>	20.96	
32 31 13 13-0395	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	263.62	37.31
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-28.44	
		<i>For Gate With Single Barb Wire Arm, Add</i>	16.69	
		<i>For Gate With Double Barb Wire Arm, Add</i>	24.27	
32 31 13 13-0396	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	302.97	43.46
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-32.32	
		<i>For Gate With Single Barb Wire Arm, Add</i>	18.96	
		<i>For Gate With Double Barb Wire Arm, Add</i>	27.58	
32 31 13 13-0397	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	343.41	50.04
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-36.20	
		<i>For Gate With Single Barb Wire Arm, Add</i>	21.24	
		<i>For Gate With Double Barb Wire Arm, Add</i>	30.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0398	EA		9 Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	382.75 -40.08 23.51 34.20	56.29
32 31 13 13-0399	EA		10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	422.09 -43.96 25.79 37.51	62.44
32 31 13 13-0400	EA		10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	519.10 -62.06 36.41 52.96	62.66
32 31 13 13-0401	EA		12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	599.76 -74.47 43.69 63.55	67.49
32 31 13 13-0402	EA		14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	682.82 -86.88 50.97 74.14	73.08
32 31 13 13-0403	EA		16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	791.26 -99.29 58.25 84.73	87.10
32 31 13 13-0404	EA		18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	876.14 -111.70 65.53 95.32	93.36
32 31 13 13-0405	EA		20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	963.91 -124.11 72.81 105.91	100.60
32 31 13 13-0406	EA		22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,055.26 -136.52 80.09 116.50	108.94
32 31 13 13-0407	EA		24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,151.20 -148.94 87.38 127.09	118.87
32 31 13 13-0408	EA		26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,253.08 -161.35 94.66 137.68	130.78
32 31 13 13-0409	EA		28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,362.89 -173.76 101.94 148.27	145.25
32 31 13 13-0410	EA		30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,483.61 -186.17 109.22 158.86	163.40
32 31 13 13-0411			6' Fence Height (32 31 13 13-0370)		
32 31 13 13-0412	EA		3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	182.49 -16.58 9.73 14.15	31.28
32 31 13 13-0413	EA		4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	211.96 -22.11 12.97 18.86	31.28
32 31 13 13-0414	EA		5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	239.87 -26.25 15.40 22.40	33.25
32 31 13 13-0415	EA		6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	282.83 -30.40 17.83 25.94	40.17
32 31 13 13-0416	EA		7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	325.79 -34.54 20.27 29.48	47.19
32 31 13 13-0417	EA		8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	367.64 -38.69 22.70 33.01	53.78
32 31 13 13-0418	EA		9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	410.61 -42.83 25.13 36.55	60.69
32 31 13 13-0419	EA		10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	453.57 -46.98 27.56 40.09	67.60

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0420	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	556.31 -66.32 38.91 56.59	67.49
32 31	13 13-0421	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	643.92 -79.58 46.69 67.91	73.08
32 31	13 13-0422	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	775.59 -92.85 54.47 79.23	93.36
32 31	13 13-0423	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	867.91 -106.11 62.25 90.55	100.60
32 31	13 13-0424	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	963.81 -119.38 70.03 101.87	108.94
32 31	13 13-0425	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,077.37 -135.09 79.25 115.28	118.87
32 31	13 13-0426	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,173.10 -146.35 85.86 124.88	130.78
32 31	13 13-0427	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,285.09 -159.17 93.38 135.82	145.25
32 31	13 13-0428	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,410.35 -172.43 101.16 147.14	163.40
32 31	13 13-0429	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,551.19 -185.70 108.94 158.46	186.71
32 31	13 13-0430	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,715.40 -198.96 116.72 169.78	217.87
32 31	13 13-0431		7' Fence Height (32 31 13 13-0370)		
32 31	13 13-0432	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	194.18 -17.42 10.22 14.86	33.69
32 31	13 13-0433	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	225.14 -23.22 13.62 19.81	33.69
32 31	13 13-0434	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	253.52 -27.58 16.18 23.53	35.45
32 31	13 13-0435	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	299.77 -31.93 18.73 27.24	43.13
32 31	13 13-0436	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	344.94 -36.28 21.29 30.96	50.48
32 31	13 13-0437	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	391.22 -40.64 23.84 34.68	58.06
32 31	13 13-0438	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	436.38 -44.99 26.39 38.39	65.41
32 31	13 13-0439	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	482.64 -49.34 28.95 42.11	73.08
32 31	13 13-0440	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	591.00 -69.66 40.87 59.44	73.08
32 31	13 13-0441	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	726.22 -83.59 49.04 71.33	93.36

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0442	EA		14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	822.12 -97.53 57.22 83.22	100.60
32 31 13 13-0443	EA		16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	921.57 -111.46 65.39 95.11	108.94
32 31 13 13-0444	EA		18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,025.62 -125.39 73.56 107.00	118.87
32 31 13 13-0445	EA		20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,135.61 -139.32 81.73 118.89	130.78
32 31 13 13-0446	EA		22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,253.52 -153.25 89.91 130.77	145.25
32 31 13 13-0447	EA		24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,382.35 -167.18 98.08 142.66	163.40
32 31 13 13-0448	EA		26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,526.77 -181.12 106.26 154.55	186.71
32 31 13 13-0449	EA		28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,694.53 -195.05 114.43 166.44	217.87
32 31 13 13-0450	EA		30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,899.69 -208.98 122.60 178.33	261.43
32 31 13 13-0451			8' Fence Height <small>(32 31 13 13-0370)</small>		
32 31 13 13-0452	EA		3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	222.31 -21.11 12.38 18.01	36.55
32 31 13 13-0453	EA		4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	259.84 -28.14 16.51 24.02	36.55
32 31 13 13-0454	EA		5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	284.86 -32.84 19.26 28.02	36.55
32 31 13 13-0455	EA		6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	338.40 -37.53 22.02 32.02	46.09
32 31 13 13-0456	EA		7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	391.95 -42.22 24.77 36.02	55.53
32 31 13 13-0457	EA		8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	444.40 -46.91 27.52 40.03	64.63
32 31 13 13-0458	EA		9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	497.96 -51.60 30.27 44.03	74.18
32 31 13 13-0459	EA		10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	551.49 -56.29 33.02 48.03	83.73
32 31 13 13-0460	EA		10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	730.70 -84.43 49.53 72.05	93.36
32 31 13 13-0461	EA		12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	842.34 -101.32 59.44 86.46	100.60
32 31 13 13-0462	EA		14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	957.56 -118.20 69.35 100.87	108.94
32 31 13 13-0463	EA		16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,077.36 -135.09 79.25 115.28	118.87

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0464	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,203.11	130.78
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-151.98	
		<i>For Gate With Single Barb Wire Arm, Add</i>	89.16	
		<i>For Gate With Double Barb Wire Arm, Add</i>	129.69	
32 31 13 13-0465	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,336.79	145.25
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-168.86	
		<i>For Gate With Single Barb Wire Arm, Add</i>	99.07	
		<i>For Gate With Double Barb Wire Arm, Add</i>	144.10	
32 31 13 13-0466	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,481.37	163.40
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-185.75	
		<i>For Gate With Single Barb Wire Arm, Add</i>	108.97	
		<i>For Gate With Double Barb Wire Arm, Add</i>	158.51	
32 31 13 13-0467	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,641.53	186.71
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-202.64	
		<i>For Gate With Single Barb Wire Arm, Add</i>	118.88	
		<i>For Gate With Double Barb Wire Arm, Add</i>	172.92	
32 31 13 13-0468	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,825.06	217.87
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-219.52	
		<i>For Gate With Single Barb Wire Arm, Add</i>	128.79	
		<i>For Gate With Double Barb Wire Arm, Add</i>	187.32	
32 31 13 13-0469	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,045.97	261.43
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-236.41	
		<i>For Gate With Single Barb Wire Arm, Add</i>	138.69	
		<i>For Gate With Double Barb Wire Arm, Add</i>	201.73	
32 31 13 13-0470	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,332.32	326.82
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-253.29	
		<i>For Gate With Single Barb Wire Arm, Add</i>	148.60	
		<i>For Gate With Double Barb Wire Arm, Add</i>	216.14	
32 31 13 13-0471 10' Fence Height (32 31 13 13-0370)				
32 31 13 13-0472	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	252.53	40.60
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-24.49	
		<i>For Gate With Single Barb Wire Arm, Add</i>	14.36	
		<i>For Gate With Double Barb Wire Arm, Add</i>	20.89	
32 31 13 13-0473	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	296.06	40.60
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-32.65	
		<i>For Gate With Single Barb Wire Arm, Add</i>	19.15	
		<i>For Gate With Double Barb Wire Arm, Add</i>	27.86	
32 31 13 13-0474	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm	330.44	42.36
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-38.09	
		<i>For Gate With Single Barb Wire Arm, Add</i>	22.35	
		<i>For Gate With Double Barb Wire Arm, Add</i>	32.50	
32 31 13 13-0475	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	390.19	52.67
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-43.53	
		<i>For Gate With Single Barb Wire Arm, Add</i>	25.54	
		<i>For Gate With Double Barb Wire Arm, Add</i>	37.15	
32 31 13 13-0476	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	448.85	62.44
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-48.97	
		<i>For Gate With Single Barb Wire Arm, Add</i>	28.73	
		<i>For Gate With Double Barb Wire Arm, Add</i>	41.79	
32 31 13 13-0477	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	508.59	72.76
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-54.41	
		<i>For Gate With Single Barb Wire Arm, Add</i>	31.92	
		<i>For Gate With Double Barb Wire Arm, Add</i>	46.43	
32 31 13 13-0478	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	567.23	82.64
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-59.86	
		<i>For Gate With Single Barb Wire Arm, Add</i>	35.12	
		<i>For Gate With Double Barb Wire Arm, Add</i>	51.08	
32 31 13 13-0479	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	626.98	92.84
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-65.30	
		<i>For Gate With Single Barb Wire Arm, Add</i>	38.31	
		<i>For Gate With Double Barb Wire Arm, Add</i>	55.72	
32 31 13 13-0480	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	833.93	103.78
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-97.94	
		<i>For Gate With Single Barb Wire Arm, Add</i>	57.46	
		<i>For Gate With Double Barb Wire Arm, Add</i>	83.58	
32 31 13 13-0481	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	962.26	111.64
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-117.53	
		<i>For Gate With Single Barb Wire Arm, Add</i>	68.95	
		<i>For Gate With Double Barb Wire Arm, Add</i>	100.30	
32 31 13 13-0482	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,094.81	121.08
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-137.12	
		<i>For Gate With Single Barb Wire Arm, Add</i>	80.45	
		<i>For Gate With Double Barb Wire Arm, Add</i>	117.01	
32 31 13 13-0483	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,232.16	132.00
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-156.71	
		<i>For Gate With Single Barb Wire Arm, Add</i>	91.94	
		<i>For Gate With Double Barb Wire Arm, Add</i>	133.73	
32 31 13 13-0484	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,376.46	145.25
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-176.30	
		<i>For Gate With Single Barb Wire Arm, Add</i>	103.43	
		<i>For Gate With Double Barb Wire Arm, Add</i>	150.44	
32 31 13 13-0485	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,529.15	161.33
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-195.89	
		<i>For Gate With Single Barb Wire Arm, Add</i>	114.92	
		<i>For Gate With Double Barb Wire Arm, Add</i>	167.16	

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

32 31 13 13-0486	EA		22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,694.45 -215.48 126.41 183.87	181.56
32 31 13 13-0487	EA		24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,876.42 -235.07 137.91 200.59	207.33
32 31 13 13-0488	EA		26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,085.14 -254.66 149.40 217.31	242.04
32 31 13 13-0489	EA		28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,334.23 -274.25 160.89 234.02	290.26
32 31 13 13-0490	EA		30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,657.57 -293.83 172.38 250.74	363.12

32 31 13 13-0491 12' Fence Height (32 31 13 13-0370)

32 31 13 13-0492	EA		3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	317.60 -34.15 20.03 29.14	45.10
32 31 13 13-0493	EA		4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	378.14 -45.50 26.69 38.83	45.10
32 31 13 13-0494	EA		5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	428.17 -53.94 31.65 46.03	46.75
32 31 13 13-0495	EA		6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	499.71 -60.98 35.77 52.04	58.06
32 31 13 13-0496	EA		7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	575.43 -68.80 40.36 58.71	69.46
32 31 13 13-0497	EA		8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	650.04 -76.61 44.95 65.38	80.43
32 31 13 13-0498	EA		9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	725.76 -84.43 49.53 72.05	91.74
32 31 13 13-0499	EA		10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	797.30 -91.47 53.66 78.05	103.04
32 31 13 13-0500	EA		10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,077.55 -137.16 80.47 117.04	115.31
32 31 13 13-0501	EA		12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,274.21 -169.05 99.18 144.26	124.15
32 31 13 13-0502	EA		14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,456.59 -197.39 115.80 168.44	134.46
32 31 13 13-0503	EA		16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,643.31 -225.53 132.31 192.45	146.60
32 31 13 13-0504	EA		18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,835.57 -253.30 148.60 216.15	161.44
32 31 13 13-0505	EA		20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,039.08 -281.44 165.11 240.16	179.23
32 31 13 13-0506	EA		22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,256.94 -309.59 181.62 264.18	201.68
32 31 13 13-0507	EA		24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,493.14 -337.73 198.13 288.20	230.39

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0508	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,764.08 -366.81 215.20 313.01	269.03
32 31	13 13-0509	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,074.87 -394.96 231.71 337.03	322.51
32 31	13 13-0510	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,468.16 -423.10 248.22 361.04	403.48
32 31	13 13-0511		Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0228)</small> Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31	13 13-0512		4' High Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0511)</small>		
32 31	13 13-0513	EA	10' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,925.30 124.17 338.65	398.22
32 31	13 13-0514	EA	12' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,316.00 149.00 406.37	480.78
32 31	13 13-0515	EA	14' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,702.23 173.84 474.11	560.88
32 31	13 13-0516	EA	16' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,095.42 198.67 541.83	644.67
32 31	13 13-0517	EA	18' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,482.40 223.51 609.56	725.27
32 31	13 13-0518	EA	20' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,854.48 248.34 677.29	798.38
32 31	13 13-0519	EA	24' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,612.13 295.82 806.78	961.43
32 31	13 13-0520	EA	30' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,015.97 372.51 1,015.94	1,814.77
32 31	13 13-0521	EA	40' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	9,354.61 496.68 1,354.58	2,419.69
32 31	13 13-0522		5' High Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0511)</small>		
32 31	13 13-0523	EA	10' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,028.81 127.82 348.60	433.42
32 31	13 13-0524	EA	12' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,433.37 153.38 418.32	519.54
32 31	13 13-0525	EA	14' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,838.71 178.95 488.04	606.03
32 31	13 13-0526	EA	16' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,244.59 204.51 557.76	692.76
32 31	13 13-0527	EA	18' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,649.88 230.07 627.47	779.12
32 31	13 13-0528	EA	20' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,055.50 255.64 697.20	865.73
32 31	13 13-0529	EA	24' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,848.49 304.52 830.50	1,040.06
32 31	13 13-0530	EA	30' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,083.70 383.46 1,045.79	1,298.91
32 31	13 13-0531	EA	40' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	8,110.99 511.28 1,394.39	1,731.47
32 31	13 13-0532		6' High Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0511)</small>		
32 31	13 13-0533	EA	10' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,201.39 130.37 355.57	508.13
32 31	13 13-0534	EA	12' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,638.10 156.45 426.68	607.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0535	EA		14' Long x 6' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,077.54 182.52 497.79	709.08
32 31 13 13-0536	EA		16' Long x 6' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,517.46 208.60 568.91	810.53
32 31 13 13-0537	EA		18' Long x 6' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,956.91 234.67 640.02	911.74
32 31 13 13-0538	EA		20' Long x 6' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,403.20 260.75 711.13	1,016.38
32 31 13 13-0539	EA		24' Long x 6' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,255.31 310.60 847.10	1,215.86
32 31 13 13-0540	EA		30' Long x 6' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,595.98 391.12 1,066.70	1,520.22
32 31 13 13-0541	EA		40' Long x 6' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	8,792.97 521.50 1,422.26	2,026.02
32 31 13 13-0542			7' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0511)		
32 31 13 13-0543	EA		10' Long x 7' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,365.21 135.48 369.50	566.77
32 31 13 13-0544	EA		12' Long x 7' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,837.35 162.58 443.41	679.64
32 31 13 13-0545	EA		14' Long x 7' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,311.36 189.68 517.30	793.48
32 31 13 13-0546	EA		16' Long x 7' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,783.40 216.77 591.20	906.34
32 31 13 13-0547	EA		18' Long x 7' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,256.51 243.87 665.10	1,019.82
32 31 13 13-0548	EA		20' Long x 7' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,728.85 270.97 739.00	1,132.80
32 31 13 13-0549	EA		24' Long x 7' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,652.92 322.77 880.29	1,359.27
32 31 13 13-0550	EA		30' Long x 7' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,093.26 406.45 1,108.50	1,699.08
32 31 13 13-0551	EA		40' Long x 7' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	9,457.67 541.93 1,478.00	2,265.48
32 31 13 13-0552			8' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0511)		
32 31 13 13-0553	EA		10' Long x 8' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,496.17 139.50 380.45	614.00
32 31 13 13-0554	EA		12' Long x 8' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,991.86 167.40 456.54	735.08
32 31 13 13-0555	EA		14' Long x 8' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,490.59 195.30 532.63	857.63
32 31 13 13-0556	EA		16' Long x 8' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,989.53 223.20 608.72	980.20
32 31 13 13-0557	EA		18' Long x 8' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,487.13 251.09 684.80	1,102.25
32 31 13 13-0558	EA		20' Long x 8' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,986.19 278.99 760.89	1,224.93
32 31 13 13-0559	EA		24' Long x 8' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,961.39 332.34 906.38	1,470.05
32 31 13 13-0560	EA		30' Long x 8' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,480.20 418.49 1,141.34	1,837.83
32 31 13 13-0561	EA		40' Long x 8' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	9,969.94 557.99 1,521.79	2,448.64
32 31 13 13-0562			9' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0511)		
32 31 13 13-0563	EA		10' Long x 9' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,650.92 144.24 393.38	669.82

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0564	EA 12' Long x 9' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,176.12 173.09 472.06	801.33
32 31 13 13-0565	EA 14' Long x 9' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,705.18 201.94 550.74	934.68
32 31 13 13-0566	EA 16' Long x 9' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,235.29 230.79 629.42	1,068.64
32 31 13 13-0567	EA 18' Long x 9' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,764.58 259.63 708.09	1,202.12
32 31 13 13-0568	EA 20' Long x 9' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,293.83 288.48 786.77	1,335.59
32 31 13 13-0569	EA 24' Long x 9' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,329.16 343.64 937.20	1,602.53
32 31 13 13-0570	EA 30' Long x 9' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,939.66 432.72 1,180.16	2,002.95
32 31 13 13-0571	EA 40' Long x 9' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	10,590.58 576.97 1,573.55	2,672.77
32 31 13 13-0572	10' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0511)		
32 31 13 13-0573	EA 10' Long x 10' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,841.28 150.44 410.30	736.80
32 31 13 13-0574	EA 12' Long x 10' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,409.54 180.53 492.37	884.13
32 31 13 13-0575	EA 14' Long x 10' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,978.30 210.62 574.43	1,031.72
32 31 13 13-0576	EA 16' Long x 10' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,546.35 240.71 656.49	1,179.06
32 31 13 13-0577	EA 18' Long x 10' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,114.32 270.80 738.55	1,326.26
32 31 13 13-0578	EA 20' Long x 10' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,682.58 300.89 820.61	1,473.60
32 31 13 13-0579	EA 24' Long x 10' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,796.29 358.42 977.51	1,769.01
32 31 13 13-0580	EA 30' Long x 10' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	8,523.86 451.34 1,230.92	2,210.41
32 31 13 13-0581	EA 40' Long x 10' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	11,361.62 601.78 1,641.23	2,945.49
32 31 13 13-0582	Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller (32 31 13 13-0228)		
	Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.		
32 31 13 13-0583	EA 5' High x 10' Wide Galvanized Cantilever Sliding Gate <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,500.55 277.10 403.06 1,209.18 529.02 755.74	490.71
32 31 13 13-0584	EA 5' High x 12' Wide Galvanized Cantilever Sliding Gate <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,917.39 295.97 430.50 1,291.49 565.03 807.18	613.39
32 31 13 13-0585	EA 5' High x 15' Wide Galvanized Cantilever Sliding Gate <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,336.60 315.09 458.31 1,374.94 601.54 859.34	736.07
32 31 13 13-0586	EA 5' High x 20' Wide Galvanized Cantilever Sliding Gate <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	5,209.22 357.10 519.42 1,558.26 681.74 973.91	981.42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0587	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,912.89 324.51 472.01 1,416.02 619.51 885.02	981.42
32 31 13	13-0588	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	5,898.58 365.46 531.58 1,594.73 697.69 996.71	1,288.12
32 31 13	13-0589	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	7,705.16 496.71 722.49 2,167.46 948.26 1,354.66	1,594.80
32 31 13	13-0590	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	8,786.46 548.18 797.35 2,392.06 1,046.53 1,495.04	1,901.50
32 31 13	13-0591	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	5,828.72 371.27 540.03 1,620.08 708.79 1,012.55	1,226.78
32 31 13	13-0592	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	7,112.78 418.05 608.08 1,824.24 798.10 1,140.15	1,656.14
32 31 13	13-0593	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	9,336.42 568.19 826.46 2,479.38 1,084.73 1,549.61	2,085.51
32 31 13	13-0594	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	10,607.09 627.00 912.00 2,736.00 1,197.00 1,710.00	2,453.55
32 31 13	13-0595		Gate Accessories (32 31 13 13-0228)		
32 31 13	13-0596	EA	Gate Center Stop, Cast Steel, Ground	33.49	
32 31 13	13-0597	EA	Gate Latch, Malleable Galvanized Steel	38.37	
32 31 13	13-0598	EA	Gate Keeper, Full Length, Galvanized Steel.....	159.61	
32 31 13	13-0599	EA	Gate Keeper Hold-Open For Cantilever Gate.....	84.28	20.85
32 31 13	13-0600	EA	Heavy Duty Gate Latch, Malleable Galvanized Steel	49.12	
32 31 13	13-0601	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	799.79	
32 31 13	13-0602	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate	859.32	
32 31 13	13-0603	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate	918.86	
32 31 13	13-0604		Accessories (32 31 13 13)		
32 31 13	13-0605		Barbed And Concertina Wire (32 31 13 13-0604)		
32 31 13	13-0606		Single Strand Barbed Wire (32 31 13 13-0605)		
32 31 13	13-0607	LF	Galvanized Barbed Wire, Per Strand..... Note: Includes clips. 4 points 12-1/2 Gauge, Class I. <i>For >500 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.15 -0.11 -0.17	0.55
32 31 13	13-0608	LF	Vinyl Coated Barbed Wire (Fused), Per Strand	1.24	0.55
			Note: Includes clips. <i>For >500 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	-0.12 -0.18	
32 31 13	13-0609	EA	Barbed Wire Extension Arms 3 Strands (Single Arm).....	11.21	8.78
32 31 13	13-0610	EA	Barbed Wire Extension Arms 6 Strands (Double Arm)	16.48	10.53
32 31 13	13-0611	EA	Barbed Wire Eye Tops (For Single Strand).....	12.38	8.78
32 31 13	13-0612		Galvanized Steel Concertina (Razor) Wire, Single Coil (32 31 13 13-0605)		
32 31 13	13-0613	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence..... <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	3.38 -0.31 -0.62 -0.90 -0.55 2.29	0.76

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0614	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.09	0.76
			<i>For >500 To 1,500, Deduct</i>	-0.46	
			<i>For >1,500 To 5,000, Deduct</i>	-0.93	
			<i>For >5,000, Deduct</i>	-1.35	
			<i>For Ground Installation, Deduct</i>	-0.82	
			<i>For Double Coil (Helix), Add</i>	3.45	
32 31	13 13-0615	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.77	0.76
			<i>For >500 To 1,500, Deduct</i>	-0.62	
			<i>For >1,500 To 5,000, Deduct</i>	-1.24	
			<i>For >5,000, Deduct</i>	-1.79	
			<i>For Ground Installation, Deduct</i>	-1.10	
			<i>For Double Coil (Helix), Add</i>	4.58	
32 31	13 13-0616	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.11	0.76
			<i>For >500 To 1,500, Deduct</i>	-0.37	
			<i>For >1,500 To 5,000, Deduct</i>	-0.74	
			<i>For >5,000, Deduct</i>	-1.07	
			<i>For Ground Installation, Deduct</i>	-0.61	
			<i>For Double Coil (Helix), Add</i>	2.89	
32 31	13 13-0617	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.17	0.76
			<i>For >500 To 1,500, Deduct</i>	-0.55	
			<i>For >1,500 To 5,000, Deduct</i>	-1.11	
			<i>For >5,000, Deduct</i>	-1.60	
			<i>For Ground Installation, Deduct</i>	-0.91	
			<i>For Double Coil (Helix), Add</i>	4.35	
32 31	13 13-0618	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	8.17	0.76
			<i>For >500 To 1,500, Deduct</i>	-0.73	
			<i>For >1,500 To 5,000, Deduct</i>	-1.47	
			<i>For >5,000, Deduct</i>	-2.12	
			<i>For Ground Installation, Deduct</i>	-1.21	
			<i>For Double Coil (Helix), Add</i>	5.75	
32 31	13 13-0619	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	9.28	0.76
			<i>For >500 To 1,500, Deduct</i>	-0.76	
			<i>For >1,500 To 5,000, Deduct</i>	-1.53	
			<i>For >5,000, Deduct</i>	-2.13	
			<i>For Ground Installation, Deduct</i>	-0.69	
			<i>For Double Coil (Helix), Add</i>	7.91	
32 31	13 13-0620	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	14.03	0.76
			<i>For >500 To 1,500, Deduct</i>	-1.16	
			<i>For >1,500 To 5,000, Deduct</i>	-2.31	
			<i>For >5,000, Deduct</i>	-3.22	
			<i>For Ground Installation, Deduct</i>	-1.03	
			<i>For Double Coil (Helix), Add</i>	11.97	
32 31	13 13-0621	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	18.56	0.76
			<i>For >500 To 1,500, Deduct</i>	-1.53	
			<i>For >1,500 To 5,000, Deduct</i>	-3.06	
			<i>For >5,000, Deduct</i>	-4.26	
			<i>For Ground Installation, Deduct</i>	-1.37	
			<i>For Double Coil (Helix), Add</i>	15.82	
32 31	13 13-0622	LF	60" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	13.71	0.76
			<i>For >500 To 1,500, Deduct</i>	-1.11	
			<i>For >1,500 To 5,000, Deduct</i>	-2.22	
			<i>For >5,000, Deduct</i>	-3.07	
			<i>For Ground Installation, Deduct</i>	-0.82	
			<i>For Double Coil (Helix), Add</i>	12.07	
32 31	13 13-0623	LF	60" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	20.85	0.76
			<i>For >500 To 1,500, Deduct</i>	-1.69	
			<i>For >1,500 To 5,000, Deduct</i>	-3.38	
			<i>For >5,000, Deduct</i>	-4.68	
			<i>For Ground Installation, Deduct</i>	-1.27	
			<i>For Double Coil (Helix), Add</i>	18.32	
32 31	13 13-0624		Stainless Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 13-0605)</small>		
32 31	13 13-0625	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.09	0.76
			<i>For >500 To 1,500, Deduct</i>	-0.36	
			<i>For >1,500 To 5,000, Deduct</i>	-0.72	
			<i>For >5,000, Deduct</i>	-1.04	
			<i>For Ground Installation, Deduct</i>	-0.55	
			<i>For Double Coil (Helix), Add</i>	3.00	
32 31	13 13-0626	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.18	0.76
			<i>For >500 To 1,500, Deduct</i>	-0.55	
			<i>For >1,500 To 5,000, Deduct</i>	-1.09	
			<i>For >5,000, Deduct</i>	-1.57	
			<i>For Ground Installation, Deduct</i>	-0.82	
			<i>For Double Coil (Helix), Add</i>	4.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0627	LF		18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	8.20	0.76
			<i>For >500 To 1,500, Deduct</i>	-0.72	
			<i>For >1,500 To 5,000, Deduct</i>	-1.45	
			<i>For >5,000, Deduct</i>	-2.08	
			<i>For Ground Installation, Deduct</i>	-1.10	
			<i>For Double Coil (Helix), Add</i>	6.01	
32 31 13 13-0628	LF		24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.06	0.76
			<i>For >500 To 1,500, Deduct</i>	-0.44	
			<i>For >1,500 To 5,000, Deduct</i>	-0.88	
			<i>For >5,000, Deduct</i>	-1.26	
			<i>For Ground Installation, Deduct</i>	-0.61	
			<i>For Double Coil (Helix), Add</i>	3.84	
32 31 13 13-0629	LF		24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.62	0.76
			<i>For >500 To 1,500, Deduct</i>	-0.66	
			<i>For >1,500 To 5,000, Deduct</i>	-1.33	
			<i>For >5,000, Deduct</i>	-1.89	
			<i>For Ground Installation, Deduct</i>	-0.91	
			<i>For Double Coil (Helix), Add</i>	5.80	
32 31 13 13-0630	LF		24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	10.08	0.76
			<i>For >500 To 1,500, Deduct</i>	-0.88	
			<i>For >1,500 To 5,000, Deduct</i>	-1.75	
			<i>For >5,000, Deduct</i>	-2.50	
			<i>For Ground Installation, Deduct</i>	-1.21	
			<i>For Double Coil (Helix), Add</i>	7.66	
32 31 13 13-0631	LF		30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	12.88	0.76
			<i>For >500 To 1,500, Deduct</i>	-1.03	
			<i>For >1,500 To 5,000, Deduct</i>	-2.07	
			<i>For >5,000, Deduct</i>	-2.85	
			<i>For Ground Installation, Deduct</i>	-0.69	
			<i>For Double Coil (Helix), Add</i>	11.51	
32 31 13 13-0632	LF		30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	19.49	0.76
			<i>For >500 To 1,500, Deduct</i>	-1.56	
			<i>For >1,500 To 5,000, Deduct</i>	-3.13	
			<i>For >5,000, Deduct</i>	-4.31	
			<i>For Ground Installation, Deduct</i>	-1.03	
			<i>For Double Coil (Helix), Add</i>	17.43	
32 31 13 13-0633	LF		30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	25.77	0.76
			<i>For >500 To 1,500, Deduct</i>	-2.07	
			<i>For >1,500 To 5,000, Deduct</i>	-4.14	
			<i>For >5,000, Deduct</i>	-5.70	
			<i>For Ground Installation, Deduct</i>	-1.37	
			<i>For Double Coil (Helix), Add</i>	23.03	
32 31 13 13-0634			Grounding For Gates (32 31 13 13-0604) Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0635	OPN		Grounding For Gates (Per Opening).....	511.26	
32 31 13 13-0636			Coiled Spring Reinforcing Wire (32 31 13 13-0604)		
32 31 13 13-0637			Galvanized Steel (32 31 13 13-0636)		
32 31 13 13-0638	LF		7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring.....	1.23	0.55
32 31 13 13-0639			Vinyl Coated Steel (32 31 13 13-0636)		
32 31 13 13-0640	LF		9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring.....	1.23	0.55
32 31 13 13-0641			Bending Of Fabric Around Pipe Railings (32 31 13 13-0604) Note: Only where specified.		
32 31 13 13-0642	LF		Bend Chain Link Fence Fabric Around Pipe Railing, Top.....	1.82	
32 31 13 13-0643	LF		Bend Chain Link Fence Fabric Around Pipe Railing, Bottom.....	1.59	
32 31 13 13-0644			Mounting Plate With Anchors Or Bolts (32 31 13 13-0604) Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0645	EA		Mounting Plate For 1-5/8" Diameter Post.....	36.20	
32 31 13 13-0646	EA		Mounting Plate For 2" Diameter Post.....	36.63	
32 31 13 13-0647	EA		Mounting Plate For 2-1/2" Diameter Post.....	37.88	
32 31 13 13-0648	EA		Mounting Plate For 3" Diameter Post.....	44.49	
32 31 13 13-0649	EA		Mounting Plate For 4" Diameter Post.....	50.43	
32 31 13 13-0650	EA		Mounting Plate For 6-5/8" Diameter Post.....	57.45	
32 31 13 13-0651	EA		Mounting Plate For 8-5/8" Diameter Post.....	66.81	
32 31 13 13-0652			Fence And Gate Repair And Replacement (32 31 13 13)		
32 31 13 13-0653			Fence And Gate Parts Replacement (32 31 13 13-0652)		
32 31 13 13-0654	EA		Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement.....	105.28	
32 31 13 13-0655	EA		Sliding Gate Roller Assembly Replacement.....	109.08	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0656	EA	Rod And Lock Gate Keeper Replacement	101.31	
32 31 13 13-0657	EA	Galvanized Gate Holdback Replacement	27.34	
32 31 13 13-0658	LF	3/8" Cross Bracing Rod Replacement	1.41	
32 31 13 13-0659	LF	1-5/8" Diagonal Pipe Bracing Replacement	2.08	
32 31 13 13-0660	EA	2-3/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	23.34	
32 31 13 13-0661	EA	3" Diameter Cast Steel Gate Hinge With Bolts, Replacement	26.03	
32 31 13 13-0662	EA	4" Diameter Cast Steel Gate Hinge With Bolts, Replacement	28.96	
32 31 13 13-0663	EA	6-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	58.44	
32 31 13 13-0664	EA	8-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	71.08	
32 31 13 13-0665	EA	2-1/2" x 2" Off Set Gate Hinge Replacement	23.40	
32 31 13 13-0666	EA	3" x 2" Off Set Gate Hinge Replacement	24.51	
32 31 13 13-0667	EA	4" x 2" Off Set Gate Hinge Replacement	26.24	
32 31 13 13-0668	EA	6-5/8" x 2" Off Set Gate Hinge Replacement	38.48	
32 31 13 13-0669	EA	8-5/8" x 2" Off Set Gate Hinge Replacement	56.26	
32 31 13 13-0670	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement	5.96	
32 31 13 13-0671	EA	2" Aluminum Die-Cast Post Cap Replacement	6.53	
32 31 13 13-0672	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement	7.42	
32 31 13 13-0673	EA	3" Aluminum Die-Cast Post Cap Replacement	8.46	
32 31 13 13-0674	EA	2" Galvanized Post Cap Replacement	6.73	
32 31 13 13-0675	EA	2-1/2" Galvanized Post Cap Replacement	7.33	
32 31 13 13-0676	EA	3" Galvanized Post Cap Replacement	8.30	
32 31 13 13-0677	EA	4" Galvanized Post Cap Replacement	11.19	
32 31 13 13-0678	EA	6-5/8" Galvanized Post Cap Replacement	17.94	
32 31 13 13-0679	EA	8-5/8" Galvanized Post Cap Replacement	28.01	
32 31 13 13-0680	EA	1-5/8" Boulevard Clamp Replacement	11.64	
32 31 13 13-0681	EA	2" Boulevard Clamp Replacement	14.11	
32 31 13 13-0682	EA	2-1/2" Boulevard Clamp Replacement	16.56	
32 31 13 13-0683	EA	3" Boulevard Clamp Replacement	20.11	
32 31 13 13-0684	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement	11.51	
32 31 13 13-0685	EA	2" Gate Brace Or End Rail Clamp Replacement	13.92	
32 31 13 13-0686	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement	16.37	
32 31 13 13-0687	EA	3" Gate Brace Or End Rail Clamp Replacement	19.91	
32 31 13 13-0688	EA	1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	11.62	
32 31 13 13-0689	EA	2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	11.79	
32 31 13 13-0690	EA	2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	11.71	
32 31 13 13-0691	EA	3" Heavy Duty Galvanized Tension Band With Bolt, Replacement	11.83	
32 31 13 13-0692	EA	3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	11.93	
32 31 13 13-0693	EA	4" Heavy Duty Galvanized Tension Band With Bolt, Replacement	12.23	
32 31 13 13-0694	EA	6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	14.34	
32 31 13 13-0695	EA	1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	11.56	

32 31 13 13-0696 Remove And Reinstall Chain Link Fences (32 31 13 13)

Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.

32 31 13 13-0697	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	21.95	
32 31 13 13-0698	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height.....	32.92	

32 31 13 33 Chain Link Backstops (32 31 13)**32 31 13 33-0001 Regulation Baseball Backstop (32 31 13 33)**

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized.....	10,163.59	2,308.05
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized.....	14,451.94	3,077.41
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized.....	18,143.11	3,590.31
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	13,493.37	2,308.05
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	19,434.36	3,077.41
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	24,718.18	3,590.31

32 31 13 33-0008 Regulation Softball Backstop (32 31 13 33)

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

32 31 13 33-0009 14' High Softball Backstop (32 31 13 33-0008)

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

32 31 13 33-0010	EA	14' Softball Backstop, Galvanized Regulation.....	8,721.46	2,133.49
32 31 13 33-0011	EA	14' Softball Backstop, Vinyl Coated Regulation	11,109.63	2,133.49

32 31 13 33-0012 18' High Softball Backstop (32 31 13 33-0008)

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

32 31 13 33-0013	EA	18' Softball Backstop, Galvanized Regulation.....	10,085.65	2,371.85
32 31 13 33-0014	EA	18' Softball Backstop Vinyl Coated Regulation	12,974.58	2,371.85

32 31 13 33-0015 20' High Softball Backstop (32 31 13 33-0008)

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

32 31 13 33-0016	EA	20' Softball Backstop, Galvanized Regulation.....	11,270.96	2,500.78
32 31 13 33-0017	EA	20' Softball Backstop, Vinyl Coated Regulation	14,699.19	2,500.78

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

32 31 13 33-0018			22' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0019	EA		22' Softball Backstop, Galvanized Regulation	12,817.22	2,576.23
32 31 13 33-0020	EA		22' Softball Backstop, Vinyl Coated Regulation	16,938.75	2,576.23

32 31 13 33-0021			24' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0022	EA		24' Softball Backstop, Galvanized Regulation	15,046.47	2,944.26
32 31 13 33-0023	EA		24' Softball Backstop, Vinyl Coated Regulation	20,169.49	2,944.26

32 31 16 Welded Wire Fences And Gates (32 31)

32 31 16 00-0001			Welded Wire Fence (32 31 16)		
32 31 16 00-0002			12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh (32 31 16 00-0001) Note: Posts 5' on center.		
32 31 16 00-0003	LF		3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	10.56	2.05
32 31 16 00-0004	LF		5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	11.05	2.05

32 31 16 00-0005			14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh (32 31 16 00-0001) Note: Posts 5' on center.		
32 31 16 00-0006	LF		3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	10.46	2.05
32 31 16 00-0007	LF		5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	10.90	2.05

32 31 19 Decorative Metal Fences And Gates (32 31)

See CSI section 32 31 13 13-0001 for drilling and grouting.

32 31 19 00-0001			Wrought Iron Fence (32 31 19) Note: Factory primed.		
32 31 19 00-0002			Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center (32 31 19 00-0001) Note: Factory primed.		
32 31 19 00-0003	LF		3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	44.05	12.07
			For Verticals Up To 2" On Center, Add	3.98	
			For Verticals >2" To 2-1/2" On Center, Add	1.99	
			For Verticals >3" To 4" On Center, Deduct	-1.99	
			For Verticals >4" To 6" On Center, Deduct	-3.98	
32 31 19 00-0004	LF		4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	56.05	15.36
			For Verticals Up To 2" On Center, Add	5.28	
			For Verticals >2" To 2-1/2" On Center, Add	2.64	
			For Verticals >3" To 4" On Center, Deduct	-2.64	
			For Verticals >4" To 6" On Center, Deduct	-5.28	
32 31 19 00-0005	LF		5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	65.56	16.03
			For Verticals Up To 2" On Center, Add	6.66	
			For Verticals >2" To 2-1/2" On Center, Add	3.33	
			For Verticals >3" To 4" On Center, Deduct	-3.33	
			For Verticals >4" To 6" On Center, Deduct	-6.66	
32 31 19 00-0006	LF		6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	79.24	19.32
			For Verticals Up To 2" On Center, Add	8.10	
			For Verticals >2" To 2-1/2" On Center, Add	4.05	
			For Verticals >3" To 4" On Center, Deduct	-4.05	
			For Verticals >4" To 6" On Center, Deduct	-8.10	
32 31 19 00-0007	LF		7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	91.25	20.43
			For Verticals Up To 2" On Center, Add	10.07	
			For Verticals >2" To 2-1/2" On Center, Add	5.04	
			For Verticals >3" To 4" On Center, Deduct	-5.04	
			For Verticals >4" To 6" On Center, Deduct	-10.07	
32 31 19 00-0008	LF		8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	103.23	21.51
			For Verticals Up To 2" On Center, Add	12.04	
			For Verticals >2" To 2-1/2" On Center, Add	6.02	
			For Verticals >3" To 4" On Center, Deduct	-6.02	
			For Verticals >4" To 6" On Center, Deduct	-12.04	
32 31 19 00-0009	LF		10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	124.12	24.14
			For Verticals Up To 2" On Center, Add	15.17	
			For Verticals >2" To 2-1/2" On Center, Add	7.58	
			For Verticals >3" To 4" On Center, Deduct	-7.58	
			For Verticals >4" To 6" On Center, Deduct	-15.17	
32 31 19 00-0010	LF		12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	145.93	27.43
			For Verticals Up To 2" On Center, Add	18.21	
			For Verticals >2" To 2-1/2" On Center, Add	9.11	
			For Verticals >3" To 4" On Center, Deduct	-9.11	
			For Verticals >4" To 6" On Center, Deduct	-18.21	

32 31 19 00-0011			Wrought Iron Gates (32 31 19 00-0001) Note: Factory primed.		
------------------	--	--	---	--	--

32 31 19 00-0012			Single Wrought Iron Gates (32 31 19 00-0011) Note: Factory primed.		
32 31 19 00-0013	LF		3' Single Wrought Iron Gate, Hardware And Associated Trim	53.83	14.70
32 31 19 00-0014	LF		4' Single Wrought Iron Gate, Hardware And Associated Trim	70.60	18.22
32 31 19 00-0015	LF		5' Single Wrought Iron Gate, Hardware And Associated Trim	85.65	21.95
32 31 19 00-0016	LF		6' Single Wrought Iron Gate, Hardware And Associated Trim	103.85	26.34
32 31 19 00-0017	LF		8' Single Wrought Iron Gate, Hardware And Associated Trim	135.19	29.19

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 19 00-0018	LF	10' Single Wrought Iron Gate, Hardware And Associated Trim	161.53	32.27
32 31 19 00-0019	LF	12' Single Wrought Iron Gate, Hardware And Associated Trim	187.42	36.65

32 31 19 00-0020 Double Wrought Iron Gates (32 31 19 00-0011)

Note: Factory primed.

32 31 19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim	65.42	13.17
32 31 19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim	85.56	16.46
32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim	103.33	19.76
32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim	124.84	23.70
32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim	163.28	26.34
32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim	195.42	28.97
32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim	227.20	32.92

32 31 19 00-0028 Repair Or Replace Wrought Iron Fence (32 31 19 00-0001)

32 31 19 00-0029	LF	Replace Wrought Iron Picket	20.16	
32 31 19 00-0030	LF	Replace Wrought Iron Post	29.35	
32 31 19 00-0031	EA	Straighten Wrought Iron Post	87.79	

32 31 19 00-0032 Steel Tube Fence, Powder Coated (32 31 19)

Note: Pickets are 3/4" square x 16 gauge.

32 31 19 00-0033 Steel Tube Fence, 2 Rail (32 31 19 00-0032)

32 31 19 00-0034	LF	3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	70.99	12.07
		<i>For Verticals Up To 2" On Center, Add</i>	9.47	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	4.73	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-4.73	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-9.47	
		<i>For Solid Pickets, Add</i>	14.20	
		<i>For Aluminum With Satin Finish, Add</i>	10.65	
		<i>For Third Rail, Add</i>	3.55	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	11.83	
		<i>For 3" Square Posts, Add</i>	4.73	
32 31 19 00-0035	LF	3-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	76.02	12.91
		<i>For Verticals Up To 2" On Center, Add</i>	10.04	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	5.02	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-5.02	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-10.04	
		<i>For Solid Pickets, Add</i>	15.17	
		<i>For Aluminum With Satin Finish, Add</i>	11.19	
		<i>For Third Rail, Add</i>	3.77	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	12.55	
		<i>For 3" Square Posts, Add</i>	5.02	
32 31 19 00-0036	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	80.53	14.26
		<i>For Verticals Up To 2" On Center, Add</i>	10.51	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	5.26	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-5.26	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-10.51	
		<i>For Solid Pickets, Add</i>	16.02	
		<i>For Aluminum With Satin Finish, Add</i>	11.58	
		<i>For Third Rail, Add</i>	3.94	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	13.14	
		<i>For 3" Square Posts, Add</i>	5.26	
32 31 19 00-0037	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	86.16	16.03
		<i>For Verticals Up To 2" On Center, Add</i>	10.78	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	5.39	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-5.39	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-10.78	
		<i>For Solid Pickets, Add</i>	16.97	
		<i>For Aluminum With Satin Finish, Add</i>	11.33	
		<i>For Third Rail, Add</i>	4.04	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	13.47	
		<i>For 3" Square Posts, Add</i>	5.39	
32 31 19 00-0038	LF	6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	99.72	18.11
		<i>For Verticals Up To 2" On Center, Add</i>	12.70	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	6.35	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-6.35	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-12.70	
		<i>For Solid Pickets, Add</i>	19.72	
		<i>For Aluminum With Satin Finish, Add</i>	13.62	
		<i>For Third Rail, Add</i>	4.76	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	15.88	
		<i>For 3" Square Posts, Add</i>	6.35	
32 31 19 00-0039	LF	7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	113.91	19.76
		<i>For Verticals Up To 2" On Center, Add</i>	14.88	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	7.44	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-7.44	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-14.88	
		<i>For Solid Pickets, Add</i>	22.67	
		<i>For Aluminum With Satin Finish, Add</i>	16.40	
		<i>For Third Rail, Add</i>	5.58	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	18.60	
		<i>For 4" Square Posts, Add</i>	26.04	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 19 00-0040	LF	8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	128.33	21.51
		For Verticals Up To 2" On Center, Add	17.06	
		For Verticals >2" To 2-1/2" On Center, Add	8.53	
		For Verticals >3" To 4" On Center, Deduct	-8.53	
		For Verticals >4" To 6" On Center, Deduct	-17.06	
		For Solid Pickets, Add	25.65	
		For Aluminum With Satin Finish, Add	19.14	
		For Third Rail, Add	6.40	
		For 1" Square x 14 Gauge Pickets, Add	21.33	
		For 4" Square Posts, Add	29.86	
32 31 19 00-0041	LF	9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	148.67	23.05
		For Verticals Up To 2" On Center, Add	20.52	
		For Verticals >2" To 2-1/2" On Center, Add	10.26	
		For Verticals >3" To 4" On Center, Deduct	-10.26	
		For Verticals >4" To 6" On Center, Deduct	-20.52	
		For Solid Pickets, Add	29.99	
		For Aluminum With Satin Finish, Add	23.86	
		For Third Rail, Add	7.69	
		For 1" Square x 14 Gauge Pickets, Add	25.65	
		For 4" Square Posts, Add	35.90	
32 31 19 00-0042	LF	10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	169.22	24.69
		For Verticals Up To 2" On Center, Add	23.97	
		For Verticals >2" To 2-1/2" On Center, Add	11.98	
		For Verticals >3" To 4" On Center, Deduct	-11.98	
		For Verticals >4" To 6" On Center, Deduct	-23.97	
		For Solid Pickets, Add	34.37	
		For Aluminum With Satin Finish, Add	28.55	
		For Third Rail, Add	8.99	
		For 1" Square x 14 Gauge Pickets, Add	29.96	
		For 6" Square Posts, Add	41.94	
32 31 19 00-0043	LF	12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	198.89	27.43
		For Verticals Up To 2" On Center, Add	28.80	
		For Verticals >2" To 2-1/2" On Center, Add	14.40	
		For Verticals >3" To 4" On Center, Deduct	-14.40	
		For Verticals >4" To 6" On Center, Deduct	-28.80	
		For Solid Pickets, Add	40.64	
		For Aluminum With Satin Finish, Add	34.98	
		For Third Rail, Add	10.80	
		For 1" Square x 14 Gauge Pickets, Add	36.01	
		For 6" Square Posts, Add	50.41	
32 31 19 00-0044	LF	14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	213.11	29.62
		For Verticals Up To 2" On Center, Add	30.77	
		For Verticals >2" To 2-1/2" On Center, Add	15.39	
		For Verticals >3" To 4" On Center, Deduct	-15.39	
		For Verticals >4" To 6" On Center, Deduct	-30.77	
		For Solid Pickets, Add	43.51	
		For Aluminum With Satin Finish, Add	37.27	
		For Third Rail, Add	11.54	
		For 1" Square x 14 Gauge Pickets, Add	38.46	
		For 6" Square Posts, Add	53.85	
32 31 19 00-0045		Steel Tube Swing Gates (32 31 19 00-0032)		
32 31 19 00-0046		3' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	533.47	23.38
		For Solid Pickets, Add	114.76	
		For Aluminum With Satin Finish, Add	128.44	
		For Third Rail, Add	34.74	
		For 1" Square x 14 Gauge Pickets, Add	46.32	
32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	592.00	24.48
		For Solid Pickets, Add	127.69	
		For Aluminum With Satin Finish, Add	144.52	
		For Third Rail, Add	38.89	
		For 1" Square x 14 Gauge Pickets, Add	51.85	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	654.15	25.89
		For Solid Pickets, Add	141.34	
		For Aluminum With Satin Finish, Add	161.18	
		For Third Rail, Add	43.22	
		For 1" Square x 14 Gauge Pickets, Add	57.62	
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	688.50	27.76
		For Solid Pickets, Add	148.66	
		For Aluminum With Satin Finish, Add	169.02	
		For Third Rail, Add	45.38	
		For 1" Square x 14 Gauge Pickets, Add	60.51	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	771.50	33.25
		For Solid Pickets, Add	166.10	
		For Aluminum With Satin Finish, Add	186.51	
		For Third Rail, Add	50.37	
		For 1" Square x 14 Gauge Pickets, Add	67.16	
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	824.38	38.74
		For Solid Pickets, Add	176.76	
		For Aluminum With Satin Finish, Add	194.97	
		For Third Rail, Add	53.10	
		For 1" Square x 14 Gauge Pickets, Add	70.81	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate.....	902.18	44.55
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	192.95	
		For Aluminum With Satin Finish, Add	210.41	
		For Third Rail, Add	57.62	
		For 1" Square x 14 Gauge Pickets, Add	76.83	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate.....	970.13	50.04
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	207.00	
		For Aluminum With Satin Finish, Add	223.38	
		For Third Rail, Add	61.48	
		For 1" Square x 14 Gauge Pickets, Add	81.98	
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate.....	1,030.52	55.53
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	219.36	
		For Aluminum With Satin Finish, Add	234.10	
		For Third Rail, Add	64.78	
		For 1" Square x 14 Gauge Pickets, Add	86.37	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate	1,113.28	46.75
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	239.95	
		For Aluminum With Satin Finish, Add	270.77	
		For Third Rail, Add	72.96	
		For 1" Square x 14 Gauge Pickets, Add	97.28	
32 31 19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate	1,185.27	48.94
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	255.66	
		For Aluminum With Satin Finish, Add	289.41	
		For Third Rail, Add	77.87	
		For 1" Square x 14 Gauge Pickets, Add	103.82	
32 31 19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate	1,308.29	51.91
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	282.68	
		For Aluminum With Satin Finish, Add	322.36	
		For Third Rail, Add	86.43	
		For 1" Square x 14 Gauge Pickets, Add	115.25	
32 31 19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate	1,370.27	53.78
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	296.21	
		For Aluminum With Satin Finish, Add	338.49	
		For Third Rail, Add	90.67	
		For 1" Square x 14 Gauge Pickets, Add	120.90	
32 31 19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate	1,420.94	55.53
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	307.20	
		For Aluminum With Satin Finish, Add	351.22	
		For Third Rail, Add	94.06	
		For 1" Square x 14 Gauge Pickets, Add	125.41	
32 31 19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate	1,603.27	66.50
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	345.76	
		For Aluminum With Satin Finish, Add	391.10	
		For Third Rail, Add	105.27	
		For 1" Square x 14 Gauge Pickets, Add	140.35	
32 31 19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate	1,761.73	77.48
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	378.94	
		For Aluminum With Satin Finish, Add	423.83	
		For Third Rail, Add	114.68	
		For 1" Square x 14 Gauge Pickets, Add	152.91	
32 31 19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate	1,897.28	89.22
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	406.81	
		For Aluminum With Satin Finish, Add	448.69	
		For Third Rail, Add	122.21	
		For 1" Square x 14 Gauge Pickets, Add	162.95	
32 31 19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate	2,011.79	100.08
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	430.10	
		For Aluminum With Satin Finish, Add	468.23	
		For Third Rail, Add	128.33	
		For 1" Square x 14 Gauge Pickets, Add	171.11	
32 31 19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate	2,107.49	111.06
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	449.16	
		For Aluminum With Satin Finish, Add	482.12	
		For Third Rail, Add	133.04	
		For 1" Square x 14 Gauge Pickets, Add	177.39	
32 31 19 00-0066		4' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate.....	613.89	21.95
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	132.57	
		For Aluminum With Satin Finish, Add	150.84	
		For Third Rail, Add	40.49	
		For 1" Square x 14 Gauge Pickets, Add	53.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	663.08	25.57
			<i>For Solid Pickets, Add</i>	143.43	
			<i>For Aluminum With Satin Finish, Add</i>	164.36	
			<i>For Third Rail, Add</i>	43.97	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	58.63	
32 31	19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	715.03	27.43
			<i>For Solid Pickets, Add</i>	154.71	
			<i>For Aluminum With Satin Finish, Add</i>	177.47	
			<i>For Third Rail, Add</i>	47.45	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	63.27	
32 31	19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	758.17	29.19
			<i>For Solid Pickets, Add</i>	164.00	
			<i>For Aluminum With Satin Finish, Add</i>	187.95	
			<i>For Third Rail, Add</i>	50.28	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	67.04	
32 31	19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	820.93	35.12
			<i>For Solid Pickets, Add</i>	176.81	
			<i>For Aluminum With Satin Finish, Add</i>	198.87	
			<i>For Third Rail, Add</i>	53.67	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	71.56	
32 31	19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	903.76	40.93
			<i>For Solid Pickets, Add</i>	194.13	
			<i>For Aluminum With Satin Finish, Add</i>	215.82	
			<i>For Third Rail, Add</i>	58.56	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	78.09	
32 31	19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,015.48	46.75
			<i>For Solid Pickets, Add</i>	217.95	
			<i>For Aluminum With Satin Finish, Add</i>	241.43	
			<i>For Third Rail, Add</i>	65.63	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	87.50	
32 31	19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,124.68	52.67
			<i>For Solid Pickets, Add</i>	241.20	
			<i>For Aluminum With Satin Finish, Add</i>	266.30	
			<i>For Third Rail, Add</i>	72.50	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	96.67	
32 31	19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,228.86	58.50
			<i>For Solid Pickets, Add</i>	263.33	
			<i>For Aluminum With Satin Finish, Add</i>	289.65	
			<i>For Third Rail, Add</i>	79.00	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	105.33	
32 31	19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,227.78	49.38
			<i>For Solid Pickets, Add</i>	265.14	
			<i>For Aluminum With Satin Finish, Add</i>	301.67	
			<i>For Third Rail, Add</i>	80.97	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	107.96	
32 31	19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,326.18	51.14
			<i>For Solid Pickets, Add</i>	286.87	
			<i>For Aluminum With Satin Finish, Add</i>	328.72	
			<i>For Third Rail, Add</i>	87.94	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	117.25	
32 31	19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,430.05	54.87
			<i>For Solid Pickets, Add</i>	309.42	
			<i>For Aluminum With Satin Finish, Add</i>	354.94	
			<i>For Third Rail, Add</i>	94.91	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	126.54	
32 31	19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,510.86	56.63
			<i>For Solid Pickets, Add</i>	327.19	
			<i>For Aluminum With Satin Finish, Add</i>	376.72	
			<i>For Third Rail, Add</i>	100.56	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	134.08	
32 31	19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,579.12	58.50
			<i>For Solid Pickets, Add</i>	342.13	
			<i>For Aluminum With Satin Finish, Add</i>	394.73	
			<i>For Third Rail, Add</i>	105.27	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	140.35	
32 31	19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,796.27	70.13
			<i>For Solid Pickets, Add</i>	388.36	
			<i>For Aluminum With Satin Finish, Add</i>	444.07	
			<i>For Third Rail, Add</i>	118.92	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	158.56	
32 31	19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,988.32	81.86
			<i>For Solid Pickets, Add</i>	428.94	
			<i>For Aluminum With Satin Finish, Add</i>	485.88	
			<i>For Third Rail, Add</i>	130.69	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	174.25	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,156.51	93.49
			<i>For Solid Pickets, Add</i>	464.14	
			<i>For Aluminum With Satin Finish, Add</i>	520.53	
			<i>For Third Rail, Add</i>	140.67	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	187.56	
32 31	19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,303.35	105.24
			<i>For Solid Pickets, Add</i>	494.55	
			<i>For Aluminum With Satin Finish, Add</i>	548.78	
			<i>For Third Rail, Add</i>	149.05	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	198.73	
32 31	19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,430.11	116.98
			<i>For Solid Pickets, Add</i>	520.44	
			<i>For Aluminum With Satin Finish, Add</i>	571.01	
			<i>For Third Rail, Add</i>	155.92	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	207.89	
32 31	19 00-0086		5' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31	19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	666.85	25.57
			<i>For Solid Pickets, Add</i>	144.28	
			<i>For Aluminum With Satin Finish, Add</i>	165.49	
			<i>For Third Rail, Add</i>	44.25	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	59.00	
32 31	19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	703.73	27.43
			<i>For Solid Pickets, Add</i>	152.17	
			<i>For Aluminum With Satin Finish, Add</i>	174.08	
			<i>For Third Rail, Add</i>	46.61	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	62.14	
32 31	19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	739.34	29.19
			<i>For Solid Pickets, Add</i>	159.77	
			<i>For Aluminum With Satin Finish, Add</i>	182.30	
			<i>For Third Rail, Add</i>	48.87	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	65.16	
32 31	19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	790.03	31.05
			<i>For Solid Pickets, Add</i>	170.76	
			<i>For Aluminum With Satin Finish, Add</i>	195.03	
			<i>For Third Rail, Add</i>	52.26	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	69.68	
32 31	19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	862.66	37.31
			<i>For Solid Pickets, Add</i>	185.70	
			<i>For Aluminum With Satin Finish, Add</i>	208.43	
			<i>For Third Rail, Add</i>	56.30	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	75.07	
32 31	19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	956.64	43.46
			<i>For Solid Pickets, Add</i>	205.45	
			<i>For Aluminum With Satin Finish, Add</i>	228.23	
			<i>For Third Rail, Add</i>	61.95	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	82.61	
32 31	19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,085.62	50.04
			<i>For Solid Pickets, Add</i>	232.99	
			<i>For Aluminum With Satin Finish, Add</i>	258.03	
			<i>For Third Rail, Add</i>	70.15	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	93.53	
32 31	19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,210.98	56.29
			<i>For Solid Pickets, Add</i>	259.80	
			<i>For Aluminum With Satin Finish, Add</i>	287.24	
			<i>For Third Rail, Add</i>	78.15	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	104.20	
32 31	19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,333.84	62.44
			<i>For Solid Pickets, Add</i>	286.04	
			<i>For Aluminum With Satin Finish, Add</i>	315.71	
			<i>For Third Rail, Add</i>	85.96	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	114.62	
32 31	19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,303.21	43.13
			<i>For Solid Pickets, Add</i>	283.99	
			<i>For Aluminum With Satin Finish, Add</i>	335.55	
			<i>For Third Rail, Add</i>	88.51	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	118.01	
32 31	19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,385.24	50.26
			<i>For Solid Pickets, Add</i>	300.91	
			<i>For Aluminum With Satin Finish, Add</i>	350.93	
			<i>For Third Rail, Add</i>	93.12	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	124.16	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate.....	1,468.48		57.83
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	318.01		
		For Aluminum With Satin Finish, Add	366.13		
		For Third Rail, Add	97.73		
		For 1" Square x 14 Gauge Pickets, Add	130.31		
32 31 19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate.....	1,579.38		65.07
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	341.42		
		For Aluminum With Satin Finish, Add	390.16		
		For Third Rail, Add	104.51		
		For 1" Square x 14 Gauge Pickets, Add	139.35		
32 31 19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate.....	1,677.75		72.21
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	362.01		
		For Aluminum With Satin Finish, Add	410.44		
		For Third Rail, Add	110.35		
		For 1" Square x 14 Gauge Pickets, Add	147.13		
32 31 19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate.....	1,907.82		80.33
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	412.06		
		For Aluminum With Satin Finish, Add	469.14		
		For Third Rail, Add	125.89		
		For 1" Square x 14 Gauge Pickets, Add	167.85		
32 31 19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate.....	2,116.47		89.11
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	457.10		
		For Aluminum With Satin Finish, Add	520.32		
		For Third Rail, Add	139.63		
		For 1" Square x 14 Gauge Pickets, Add	186.18		
32 31 19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate.....	2,304.92		98.88
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	497.42		
		For Aluminum With Satin Finish, Add	564.36		
		For Third Rail, Add	151.68		
		For 1" Square x 14 Gauge Pickets, Add	202.25		
32 31 19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate.....	2,476.90		109.84
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	533.76		
		For Aluminum With Satin Finish, Add	601.84		
		For Third Rail, Add	162.23		
		For 1" Square x 14 Gauge Pickets, Add	216.31		
32 31 19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate.....	2,632.43		122.14
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	566.13		
		For Aluminum With Satin Finish, Add	632.74		
		For Third Rail, Add	171.27		
		For 1" Square x 14 Gauge Pickets, Add	228.36		
32 31 19 00-0106		6' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)			
32 31 19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate.....	695.88		28.10
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	150.24		
		For Aluminum With Satin Finish, Add	170.74		
		For Third Rail, Add	45.85		
		For 1" Square x 14 Gauge Pickets, Add	61.14		
32 31 19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate.....	731.64		29.62
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	157.95		
		For Aluminum With Satin Finish, Add	179.50		
		For Third Rail, Add	48.21		
		For 1" Square x 14 Gauge Pickets, Add	64.28		
32 31 19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate.....	768.21		31.28
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	165.79		
		For Aluminum With Satin Finish, Add	188.14		
		For Third Rail, Add	50.56		
		For 1" Square x 14 Gauge Pickets, Add	67.42		
32 31 19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate.....	812.94		33.25
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	175.42		
		For Aluminum With Satin Finish, Add	198.94		
		For Third Rail, Add	53.48		
		For 1" Square x 14 Gauge Pickets, Add	71.31		
32 31 19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate.....	915.38		40.17
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	196.91		
		For Aluminum With Satin Finish, Add	220.29		
		For Third Rail, Add	59.60		
		For 1" Square x 14 Gauge Pickets, Add	79.47		
32 31 19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate.....	1,024.10		47.19
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	219.81		
		For Aluminum With Satin Finish, Add	243.53		
		For Third Rail, Add	66.19		
		For 1" Square x 14 Gauge Pickets, Add	88.26		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 19 00-0113	EA 8' Wide x 6' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,144.29	53.78
	<i>For Solid Pickets, Add</i>	245.37	
	<i>For Aluminum With Satin Finish, Add</i>	270.70	
	<i>For Third Rail, Add</i>	73.72	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	98.30	
32 31 19 00-0114	EA 9' Wide x 6' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,260.56	60.69
	<i>For Solid Pickets, Add</i>	269.96	
	<i>For Aluminum With Satin Finish, Add</i>	296.19	
	<i>For Third Rail, Add</i>	80.88	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	107.84	
32 31 19 00-0115	EA 10' Wide x 6' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,400.66	67.60
	<i>For Solid Pickets, Add</i>	299.92	
	<i>For Aluminum With Satin Finish, Add</i>	328.84	
	<i>For Third Rail, Add</i>	89.82	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	119.77	
32 31 19 00-0116	EA 6' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,355.54	46.53
	<i>For Solid Pickets, Add</i>	295.04	
	<i>For Aluminum With Satin Finish, Add</i>	346.91	
	<i>For Third Rail, Add</i>	91.71	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	122.28	
32 31 19 00-0117	EA 7' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,441.25	54.54
	<i>For Solid Pickets, Add</i>	312.60	
	<i>For Aluminum With Satin Finish, Add</i>	362.30	
	<i>For Third Rail, Add</i>	96.41	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	128.55	
32 31 19 00-0118	EA 8' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,525.74	62.11
	<i>For Solid Pickets, Add</i>	329.98	
	<i>For Aluminum With Satin Finish, Add</i>	377.87	
	<i>For Third Rail, Add</i>	101.12	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	134.83	
32 31 19 00-0119	EA 9' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,626.51	70.13
	<i>For Solid Pickets, Add</i>	350.94	
	<i>For Aluminum With Satin Finish, Add</i>	397.78	
	<i>For Third Rail, Add</i>	106.96	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	142.61	
32 31 19 00-0120	EA 10' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,780.02	78.13
	<i>For Solid Pickets, Add</i>	383.76	
	<i>For Aluminum With Satin Finish, Add</i>	433.51	
	<i>For Third Rail, Add</i>	116.75	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	155.67	
32 31 19 00-0121	EA 12' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,082.81	87.02
	<i>For Solid Pickets, Add</i>	449.98	
	<i>For Aluminum With Satin Finish, Add</i>	512.94	
	<i>For Third Rail, Add</i>	137.56	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	183.41	
32 31 19 00-0122	EA 14' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,187.10	97.22
	<i>For Solid Pickets, Add</i>	471.27	
	<i>For Aluminum With Satin Finish, Add</i>	531.19	
	<i>For Third Rail, Add</i>	143.21	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	190.95	
32 31 19 00-0123	EA 16' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,403.03	108.20
	<i>For Solid Pickets, Add</i>	517.51	
	<i>For Aluminum With Satin Finish, Add</i>	581.85	
	<i>For Third Rail, Add</i>	157.05	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	209.40	
32 31 19 00-0124	EA 18' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,603.75	120.39
	<i>For Solid Pickets, Add</i>	560.04	
	<i>For Aluminum With Satin Finish, Add</i>	626.31	
	<i>For Third Rail, Add</i>	169.48	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	225.97	
32 31 19 00-0125	EA 20' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,792.98	134.32
	<i>For Solid Pickets, Add</i>	599.63	
	<i>For Aluminum With Satin Finish, Add</i>	665.15	
	<i>For Third Rail, Add</i>	180.68	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	240.91	
32 31 19 00-0126	7' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0127	EA 3' Wide x 7' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	737.94	30.40
	<i>For Solid Pickets, Add</i>	159.18	
	<i>For Aluminum With Satin Finish, Add</i>	180.25	
	<i>For Third Rail, Add</i>	48.49	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	64.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	775.41	32.04
			<i>For Solid Pickets, Add</i>	167.25	
			<i>For Aluminum With Satin Finish, Add</i>	189.32	
			<i>For Third Rail, Add</i>	50.94	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	67.92	
32 31	19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	813.11	33.69
			<i>For Solid Pickets, Add</i>	175.35	
			<i>For Aluminum With Satin Finish, Add</i>	198.35	
			<i>For Third Rail, Add</i>	53.39	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	71.18	
32 31	19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	850.90	35.45
			<i>For Solid Pickets, Add</i>	183.47	
			<i>For Aluminum With Satin Finish, Add</i>	207.37	
			<i>For Third Rail, Add</i>	55.83	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	74.45	
32 31	19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	986.93	43.13
			<i>For Solid Pickets, Add</i>	212.35	
			<i>For Aluminum With Satin Finish, Add</i>	237.81	
			<i>For Third Rail, Add</i>	64.31	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	85.74	
32 31	19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,111.81	50.48
			<i>For Solid Pickets, Add</i>	238.80	
			<i>For Aluminum With Satin Finish, Add</i>	265.40	
			<i>For Third Rail, Add</i>	72.03	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	96.04	
32 31	19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,205.17	58.06
			<i>For Solid Pickets, Add</i>	258.08	
			<i>For Aluminum With Satin Finish, Add</i>	283.03	
			<i>For Third Rail, Add</i>	77.30	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	103.07	
32 31	19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,309.97	65.41
			<i>For Solid Pickets, Add</i>	280.01	
			<i>For Aluminum With Satin Finish, Add</i>	304.60	
			<i>For Third Rail, Add</i>	83.52	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	111.35	
32 31	19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,437.21	73.08
			<i>For Solid Pickets, Add</i>	306.91	
			<i>For Aluminum With Satin Finish, Add</i>	332.40	
			<i>For Third Rail, Add</i>	91.33	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	121.77	
32 31	19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,435.51	49.82
			<i>For Solid Pickets, Add</i>	312.31	
			<i>For Aluminum With Satin Finish, Add</i>	366.55	
			<i>For Third Rail, Add</i>	96.98	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	129.31	
32 31	19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,524.93	58.27
			<i>For Solid Pickets, Add</i>	330.62	
			<i>For Aluminum With Satin Finish, Add</i>	382.51	
			<i>For Third Rail, Add</i>	101.88	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	135.83	
32 31	19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,615.55	67.16
			<i>For Solid Pickets, Add</i>	349.10	
			<i>For Aluminum With Satin Finish, Add</i>	398.30	
			<i>For Third Rail, Add</i>	106.77	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	142.36	
32 31	19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,706.24	75.61
			<i>For Solid Pickets, Add</i>	367.70	
			<i>For Aluminum With Satin Finish, Add</i>	414.64	
			<i>For Third Rail, Add</i>	111.76	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	149.02	
32 31	19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,921.15	84.50
			<i>For Solid Pickets, Add</i>	414.15	
			<i>For Aluminum With Satin Finish, Add</i>	467.71	
			<i>For Third Rail, Add</i>	125.98	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	167.97	
32 31	19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,314.24	94.27
			<i>For Solid Pickets, Add</i>	500.51	
			<i>For Aluminum With Satin Finish, Add</i>	573.14	
			<i>For Third Rail, Add</i>	153.38	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	204.51	
32 31	19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,301.63	105.67
			<i>For Solid Pickets, Add</i>	495.23	
			<i>For Aluminum With Satin Finish, Add</i>	554.69	
			<i>For Third Rail, Add</i>	149.99	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	199.99	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 19 00-0143	EA 16' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,497.33	117.86
	<i>For Solid Pickets, Add</i>	536.64	
	<i>For Aluminum With Satin Finish, Add</i>	597.64	
	<i>For Third Rail, Add</i>	162.04	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	216.05	
32 31 19 00-0144	EA 18' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,730.50	131.79
	<i>For Solid Pickets, Add</i>	586.12	
	<i>For Aluminum With Satin Finish, Add</i>	649.67	
	<i>For Third Rail, Add</i>	176.54	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	235.39	
32 31 19 00-0145	EA 20' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,890.71	147.05
	<i>For Solid Pickets, Add</i>	618.90	
	<i>For Aluminum With Satin Finish, Add</i>	678.18	
	<i>For Third Rail, Add</i>	185.30	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	247.06	
32 31 19 00-0146	8' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0147	EA 3' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	801.78	32.92
	<i>For Solid Pickets, Add</i>	172.99	
	<i>For Aluminum With Satin Finish, Add</i>	196.09	
	<i>For Third Rail, Add</i>	52.73	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	70.30	
32 31 19 00-0148	EA 3'-6" Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	841.17	34.68
	<i>For Solid Pickets, Add</i>	181.44	
	<i>For Aluminum With Satin Finish, Add</i>	205.44	
	<i>For Third Rail, Add</i>	55.27	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	73.69	
32 31 19 00-0149	EA 4' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	883.07	36.55
	<i>For Solid Pickets, Add</i>	190.46	
	<i>For Aluminum With Satin Finish, Add</i>	215.54	
	<i>For Third Rail, Add</i>	58.00	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	77.33	
32 31 19 00-0150	EA 5' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	923.32	40.72
	<i>For Solid Pickets, Add</i>	198.57	
	<i>For Aluminum With Satin Finish, Add</i>	221.93	
	<i>For Third Rail, Add</i>	60.07	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	80.10	
32 31 19 00-0151	EA 6' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,089.85	46.09
	<i>For Solid Pickets, Add</i>	234.85	
	<i>For Aluminum With Satin Finish, Add</i>	264.74	
	<i>For Third Rail, Add</i>	71.37	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	95.16	
32 31 19 00-0152	EA 7' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,217.57	55.53
	<i>For Solid Pickets, Add</i>	261.44	
	<i>For Aluminum With Satin Finish, Add</i>	290.21	
	<i>For Third Rail, Add</i>	78.81	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	105.08	
32 31 19 00-0153	EA 8' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,278.90	64.63
	<i>For Solid Pickets, Add</i>	273.19	
	<i>For Aluminum With Satin Finish, Add</i>	296.27	
	<i>For Third Rail, Add</i>	81.35	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	108.47	
32 31 19 00-0154	EA 9' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,376.48	74.18
	<i>For Solid Pickets, Add</i>	293.00	
	<i>For Aluminum With Satin Finish, Add</i>	312.70	
	<i>For Third Rail, Add</i>	86.53	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	115.37	
32 31 19 00-0155	EA 10' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,462.75	83.73
	<i>For Solid Pickets, Add</i>	310.27	
	<i>For Aluminum With Satin Finish, Add</i>	325.74	
	<i>For Third Rail, Add</i>	90.86	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	121.15	
32 31 19 00-0156	EA 6' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,559.40	53.22
	<i>For Solid Pickets, Add</i>	339.46	
	<i>For Aluminum With Satin Finish, Add</i>	399.38	
	<i>For Third Rail, Add</i>	105.55	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	140.73	
32 31 19 00-0157	EA 7' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,661.10	64.19
	<i>For Solid Pickets, Add</i>	359.99	
	<i>For Aluminum With Satin Finish, Add</i>	415.76	
	<i>For Third Rail, Add</i>	110.82	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	147.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,760.31 380.05 431.95 116.00 154.67	74.73
32 31	19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,845.68 396.90 443.44 120.05 160.06	85.82
32 31	19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,141.95 461.21 518.19 139.91 186.55	96.79
32 31	19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,657.78 574.64 657.19 175.98 234.63	108.97
32 31	19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,454.08 525.82 578.15 157.71 210.28	122.90
32 31	19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,635.52 563.21 611.94 167.88 223.84	139.04
32 31	19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,908.43 620.81 671.00 184.54 246.06	156.71
32 31	19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,985.25 633.84 668.51 186.05 248.07	176.57
32 31	19 00-0166		Replace Steel Tube Fence Pickets (32 31 19 00-0032)		
32 31	19 00-0167	LF	Replace 3/4" Square x 16 Gauge Steel Tube Fence Picket For 1" Square x 14 Gauge Pickets, Add	30.03 0.81	
32 31	19 00-0168		Remove And Reinstall Ornamental Fences (32 31 19)		
			Note: Removal and reinstallation of fences including storage and cleaning. Excludes augering and concrete.		
32 31	19 00-0169	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	49.38	
32 31	19 00-0170	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height	54.33	
32 31	19 00-0171	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height	59.26	
32 31	19 00-0172	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height	64.19	
32 31	19 00-0173	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height	69.14	
32 31	19 00-0174	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height	74.07	
32 31	19 00-0175	LF	Removal And Reinstallation Of Ornamental Fence 12' Height	82.31	
32 31 26			Wire Fences And Gates (32 31)		
32 31 26 00-0001			Chicken Wire (32 31 26)		
			Note: Posts at 4'.		
32 31 26 00-0002	LF		1" Mesh, 4' High Chicken Wire Posts At 4'	8.52	2.05
32 31 26 00-0003	LF		2" Mesh, 6' High Chicken Wire Posts At 4'	9.54	2.05
32 31 26 00-0004			Wire And Screen (32 31 26)		
32 31 26 00-0005			Screen For Partitions And Ceilings (32 31 26 00-0004)		
			Note: Can be used to support insulation on walls and ceilings.		
32 31 26 00-0006	SF		1" Mesh Chicken Wire	1.89	
32 31 26 00-0007			Wicket Fence (32 31 26)		
32 31 26 00-0008	LF		Steel Wicket Fence, Painted.....	51.83	7.38
32 31 29			Wood Fences And Gates (32 31)		
			See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001			Open Rail Fence (32 31 29)		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0002			Post And Rail Fence, Ranch Style (32 31 29 00-0001)		
32 31 29 00-0003	LF		Post And Rail Fence, 2 Rails, 3' High #1 Cedar.....	26.33	4.10
32 31 29 00-0004	LF		Post And Rail Fence, 2 Rails, 3' High #2 Cedar.....	21.99	4.10
32 31 29 00-0005	LF		Post And Rail Fence, 3 Rails, 4' High #1 Cedar.....	30.43	4.10
32 31 29 00-0006	LF		Post And Rail Fence, 3 Rails, 4' High #2 Cedar.....	23.68	4.10
32 31 29 00-0007			Split Rail Fence (32 31 29 00-0001)		
32 31 29 00-0008	LF		Split Rail Fence, 2 Rails, 3' High #1 Cedar.....	25.21	4.10
32 31 29 00-0009	LF		Split Rail Fence, 2 Rails, 3' High #2 Cedar.....	21.95	4.10
32 31 29 00-0010	LF		Split Rail Fence, 3 Rail, 4' High #1 Cedar.....	28.30	4.10
32 31 29 00-0011	LF		Split Rail Fence, 3 Rail, 4' High #2 Cedar.....	24.31	4.10
32 31 29 00-0012			Picket Fence (32 31 29)		
32 31 29 00-0013	LF		Picket Fence, 2 Rail, 3' High, Pressure Treated.....	28.08	4.10
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.89	
32 31 29 00-0014	LF		Picket Fence, 2 Rail, 3' High #1 Cedar.....	26.87	4.10
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.83	
32 31 29 00-0015			Basket Weave (32 31 29)		
			Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0016	LF		6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post.....	43.13	4.10
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.58	
32 31 29 00-0017	LF		6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post.....	29.87	4.10
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.95	
32 31 29 00-0018			Board Fence (32 31 29)		
			Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0019	LF		Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated.....	27.69	4.10
			<i>For 1" x 6" Boards, Deduct</i>	-3.19	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.04	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.86	
32 31 29 00-0020	LF		Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated.....	30.58	4.10
			<i>For 1" x 6" Boards, Deduct</i>	-3.46	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.37	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.04	
32 31 29 00-0021	LF		Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated.....	33.63	4.10
			<i>For 1" x 6" Boards, Deduct</i>	-3.66	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.59	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.21	
32 31 29 00-0022	LF		Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated.....	35.72	4.10
			<i>For 1" x 6" Boards, Deduct</i>	-3.84	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.80	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.33	
32 31 29 00-0023	LF		Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated.....	37.96	4.10
			<i>For 1" x 6" Boards, Deduct</i>	-4.02	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	5.01	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.47	
32 31 29 00-0024	LF		Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar.....	29.18	4.10
			<i>For 1" x 6" Boards, Deduct</i>	-3.25	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.09	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.93	
32 31 29 00-0025	LF		Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar.....	31.72	4.10
			<i>For 1" x 6" Boards, Deduct</i>	-3.50	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.40	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.09	
32 31 29 00-0026	LF		Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar.....	33.63	4.10
			<i>For 1" x 6" Boards, Deduct</i>	-3.66	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.59	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.21	
32 31 29 00-0027	LF		Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar.....	35.72	4.10
			<i>For 1" x 6" Boards, Deduct</i>	-3.84	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.80	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.33	
32 31 29 00-0028	LF		Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar.....	37.96	4.10
			<i>For 1" x 6" Boards, Deduct</i>	-4.02	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	5.01	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.47	
32 31 29 00-0029	LF		Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar.....	29.18	4.10
			<i>For 1" x 6" Boards, Deduct</i>	-3.25	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.09	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.93	
32 31 29 00-0030	LF		Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar.....	36.78	4.10
			<i>For 1" x 6" Boards, Deduct</i>	-3.70	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.55	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.35	
32 31 29 00-0031	LF		Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar.....	38.48	4.10
			<i>For 1" x 6" Boards, Deduct</i>	-3.86	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.74	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.45	
32 31 29 00-0032	LF		Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar.....	41.15	4.10
			<i>For 1" x 6" Boards, Deduct</i>	-4.06	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.96	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	2.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0033	LF		Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	44.01 -4.27 5.19 2.77	4.10
32 31 29 00-0034	LF		CDX Plywood Fence, 3 - 2" x 4" Rails, 6' High, 5/8" Thick, Unpainted	27.86	4.10
32 31 29 00-0035	LF		CDX Plywood Fence, 3 - 2" x 4" Rails, 8' High, 5/8" Thick, Unpainted	28.93	4.10
32 31 29 00-0036	LF		CDX Plywood Fence, 3 - 2" x 4" Rails, 10' High, 5/8" Thick, Unpainted	32.91	4.10
32 31 29 00-0037			Shadow Box <small>(32 31 29)</small> Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0038	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine <i>For Fastening With Screws Instead Of Nails, Add</i>	40.88 2.47	4.10
32 31 29 00-0039	LF		Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar <i>For Fastening With Screws Instead Of Nails, Add</i>	50.71 3.04	4.10
32 31 29 00-0040	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar <i>For Fastening With Screws Instead Of Nails, Add</i>	54.69 3.26	4.10
32 31 29 00-0041	LF		Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar <i>For Fastening With Screws Instead Of Nails, Add</i>	58.72 3.50	4.10
32 31 29 00-0042			Wood Fence Post Accessories <small>(32 31 29)</small>		
32 31 29 00-0043	EA		3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap	38.02	
32 31 29 00-0044	EA		4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap	41.14	
32 31 29 00-0045	EA		6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap	45.24	
32 31 29 00-0046	EA		8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap	61.80	
32 31 29 00-0047			Wood Gate <small>(32 31 29)</small>		
32 31 29 00-0048			Board Fence Gates, Pressure Treated Wood <small>(32 31 29 00-0047)</small> Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0049	EA		3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	420.01	145.76
32 31 29 00-0050	EA		3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	460.63	154.50
32 31 29 00-0051	EA		3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	512.91	169.08
32 31 29 00-0052	EA		3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	574.09	177.83
32 31 29 00-0053	EA		3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	635.27	186.57
32 31 29 00-0054	EA		>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	538.99	192.40
32 31 29 00-0055	EA		>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	582.18	201.15
32 31 29 00-0056	EA		>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	625.37	209.90
32 31 29 00-0057	EA		>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	694.27	218.64
32 31 29 00-0058	EA		>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	750.31	227.38
32 31 29 00-0059			Board Fence Gates, Grade 2 Cedar <small>(32 31 29 00-0047)</small> Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0060	EA		3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	603.39	128.22
32 31 29 00-0061	EA		3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	626.49	135.92
32 31 29 00-0062	EA		3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	662.41	148.75
32 31 29 00-0063	EA		3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	698.35	156.43
32 31 29 00-0064	EA		3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	742.00	164.13
32 31 29 00-0065	EA		>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	723.99	169.26
32 31 29 00-0066	EA		>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	752.23	176.95
32 31 29 00-0067	EA		>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	793.32	184.65
32 31 29 00-0068	EA		>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	834.40	192.34
32 31 29 00-0069	EA		>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	875.49	200.03
32 31 29 00-0070			Board Fence Gates, Grade 1 Cedar <small>(32 31 29 00-0047)</small> Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0071	EA		3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	641.93	128.22
32 31 29 00-0072	EA		3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	670.17	135.92
32 31 29 00-0073	EA		3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	708.66	148.75
32 31 29 00-0074	EA		3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	749.75	156.43
32 31 29 00-0075	EA		3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	790.83	164.13
32 31 29 00-0076	EA		>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	775.39	169.26
32 31 29 00-0077	EA		>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	803.63	176.95
32 31 29 00-0078	EA		>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	844.72	184.65
32 31 29 00-0079	EA		>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	885.80	192.34
32 31 29 00-0080	EA		>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	939.74	200.03
32 32 Retaining Walls <small>(32 30)</small>					
32 32 23 Segmental Retaining Walls <small>(32 32)</small>					
32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls <small>(32 32 23)</small>					
32 32 23 13-0001 Modular Retaining Wall Systems <small>(32 32 23 13)</small> Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.					
32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems <small>(32 32 23 13-0001)</small>					

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0003	SF		Up To 4' Height "Amastone" Type Modular Retaining Wall System.....	44.25	9.73
32 32 23 13-0004	SF		4 To 8' Height "Amastone" Type Modular Retaining Wall System	46.65	10.24
32 32 23 13-0005	SF		8 To 12' Height "Amastone" Type Modular Retaining Wall System	49.30	11.26
32 32 23 13-0006	SF		12 To 16' Height "Amastone" Type Modular Retaining Wall System	52.03	12.29
32 32 23 13-0007			"Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0008	SF		Up To 4' Height "Diamond" Type Modular Retaining Wall System	45.54	9.73
32 32 23 13-0009	SF		4 To 8' Height "Diamond" Type Modular Retaining Wall System	47.95	10.24
32 32 23 13-0010	SF		8 To 12' Height "Diamond" Type Modular Retaining Wall System	50.59	11.26
32 32 23 13-0011	SF		12 To 16' Height "Diamond" Type Modular Retaining Wall System	53.32	12.29
32 32 23 13-0012			"Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0013	SF		Up To 4' Height "Keystone" Type Modular Retaining Wall System.....	48.64	9.73
32 32 23 13-0014	SF		4 To 8' Height "Keystone" Type Modular Retaining Wall System	51.04	10.24
32 32 23 13-0015	SF		8 To 12' Height "Keystone" Type Modular Retaining Wall System	53.69	11.26
32 32 23 13-0016	SF		12 To 16' Height "Keystone" Type Modular Retaining Wall System	56.42	12.29
32 32 23 13-0017			"Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0018	SF		Up To 4' Height "Criblock" Type Modular Retaining Wall System.....	44.25	9.73
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0019	SF		4 To 8' Height "Criblock" Type Modular Retaining Wall System	46.65	10.24
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0020	SF		8 To 12' Height "Criblock" Type Modular Retaining Wall System	49.30	11.26
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0021	SF		12 To 16' Height "Criblock" Type Modular Retaining Wall System	52.03	12.29
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0022			"Versa-Lok" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0023	SF		Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	40.32	9.73
32 32 23 13-0024	SF		4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	44.02	10.24
32 32 23 13-0025	SF		8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	46.68	11.26
32 32 23 13-0026	SF		12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	49.17	12.29
32 32 23 13-0027			Retaining Wall Cap Block Restoration (32 32 23 13-0001)		
			Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028	LF		Removal And Reinstall Retaining Wall Cap Block And Pins	27.76	
32 33 Site Furnishings (32 30)					
32 33 13 Site Bicycle Racks (32 33)					
32 33 13 00-0001			Bicycle Organizer And Rack (32 33 13)		
32 33 13 00-0002			Vertical Style Bike Racks Single/Double Sided, Galvanized (32 33 13 00-0001)		
32 33 13 00-0003			Double Sided (32 33 13 00-0002)		
32 33 13 00-0004	EA		5' Galvanized Steel Double Sided Bike Rack, 9 Bikes	564.77	143.61
32 33 13 00-0005	EA		10' Galvanized Steel Double Sided Bike Rack, 18 Bikes	866.67	235.91
32 33 13 00-0006	EA		20' Galvanized Steel Double Sided Bike Rack, 36 Bikes	1,458.27	359.01
32 33 13 00-0007			Single Sided (32 33 13 00-0002)		
32 33 13 00-0008	EA		5' Galvanized Steel Single Sided Bike Rack, 5 Bikes	496.06	128.22
32 33 13 00-0009	EA		10' Galvanized Steel Single Sided Bike Rack, 9 Bikes	721.54	213.35
32 33 13 00-0010	EA		20' Galvanized Steel Single Sided Bike Rack, 18 Bikes	1,209.36	320.54
32 33 13 00-0011			Anchor Set For Vertical Style Bike Rack (32 33 13 00-0002)		
32 33 13 00-0012	PR		Anchor Set For Vertical Style Bike Rack.....	115.80	
			Note: Anchoring frame to ground.		
32 33 13 00-0013			Bike Racks Ground Loop (32 33 13 00-0001)		
			Note: In-ground mount.		
32 33 13 00-0014	EA		83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes.....	832.38	251.61
32 33 13 00-0015			Serpentine Bike Racks (32 33 13 00-0001)		
			Note: In-ground mount.		
32 33 13 00-0016			Galvanized, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0017	EA		1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized	478.70	153.86
32 33 13 00-0018	EA		3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized	614.14	166.69
32 33 13 00-0019	EA		5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized	749.59	179.50
32 33 13 00-0020	EA		7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized	900.72	192.32
32 33 13 00-0021	EA		9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized	1,051.85	205.14
32 33 13 00-0022	EA		11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized	1,140.24	217.96

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

32 33 13 00-0023			Galvanized, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0024	EA		1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized.....	524.69	153.86
32 33 13 00-0025	EA		3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized.....	647.29	166.69
32 33 13 00-0026	EA		5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized.....	769.91	179.50
32 33 13 00-0027	EA		7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized.....	880.40	192.32
32 33 13 00-0028	EA		9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized.....	1,003.01	205.14
32 33 13 00-0029	EA		11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized.....	1,149.87	217.96

32 33 13 00-0030			Powder Coated, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0031	EA		1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated	478.70	153.86
32 33 13 00-0032	EA		3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated	614.14	166.69
32 33 13 00-0033	EA		5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated	749.59	179.50
32 33 13 00-0034	EA		7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated	900.72	192.32
32 33 13 00-0035	EA		9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated	1,051.85	205.14
32 33 13 00-0036	EA		11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated	1,140.24	217.96

32 33 13 00-0037			Powder Coated, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0038	EA		1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated	536.81	153.86
32 33 13 00-0039	EA		3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated	671.54	166.69
32 33 13 00-0040	EA		5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated	794.15	179.50
32 33 13 00-0041	EA		7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated	941.00	192.32
32 33 13 00-0042	EA		9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated	1,063.61	205.14
32 33 13 00-0043	EA		11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated	1,222.59	217.96

32 33 13 00-0044			Stainless Steel, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0045	EA		1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	787.70	153.86
32 33 13 00-0046	EA		3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,121.57	166.69
32 33 13 00-0047	EA		5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	1,455.46	179.50
32 33 13 00-0048	EA		7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	1,833.38	192.32
32 33 13 00-0049	EA		9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	2,211.29	205.14
32 33 13 00-0050	EA		11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	2,413.07	217.96

32 33 13 00-0051			Stainless Steel, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0052	EA		1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	645.90	153.86
32 33 13 00-0053	EA		3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,277.59	166.69
32 33 13 00-0054	EA		5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	1,642.62	179.50
32 33 13 00-0055	EA		7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	1,983.41	192.32
32 33 13 00-0056	EA		9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	2,336.32	205.14
32 33 13 00-0057	EA		11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	2,701.35	217.96

32 33 13 00-0058			Bike Racks Bollards/Bicycle Posts (32 33 13 00-0001)		
Note: In-ground mount.					
32 33 13 00-0059	EA		43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	468.25	115.40

32 33 33 Site Manufactured Planters (32 33)

32 33 33 00-0001			Precast Concrete Planters (32 33 33)		
-------------------------	--	--	---	--	--

32 33 33 00-0002			Circular Precast Concrete Planters (32 33 33 00-0001)		
-------------------------	--	--	--	--	--

32 33 33 00-0003	EA		24" Diameter, 17" Height, Circular Precast Concrete Planter	478.26	29.19
32 33 33 00-0004	EA		24" Diameter, 24" Height, Circular Precast Concrete Planter	537.69	35.03
32 33 33 00-0005	EA		24" Diameter, 33" Height, Circular Precast Concrete Planter	585.44	35.03
32 33 33 00-0006	EA		30" Diameter, 17" Height, Circular Precast Concrete Planter	637.83	40.86
32 33 33 00-0007	EA		30" Diameter, 30" Height, Circular Precast Concrete Planter	774.94	52.53
32 33 33 00-0008	EA		36" Diameter, 24" Height, Circular Precast Concrete Planter	839.54	52.53
32 33 33 00-0009	EA		36" Diameter, 30" Height, Circular Precast Concrete Planter	945.30	58.37
32 33 33 00-0010	EA		48" Diameter, 17" Height, Circular Precast Concrete Planter	995.86	58.37
32 33 33 00-0011	EA		48" Diameter, 24" Height, Circular Precast Concrete Planter	1,116.32	72.97
32 33 33 00-0012	EA		48" Diameter, 30" Height, Circular Precast Concrete Planter	1,187.45	77.64
32 33 33 00-0013	EA		48" Diameter, 36" Height, Circular Precast Concrete Planter	1,237.76	81.72
32 33 33 00-0014	EA		60" Diameter, 17" Height, Circular Precast Concrete Planter	1,122.85	72.97
32 33 33 00-0015	EA		60" Diameter, 24" Height, Circular Precast Concrete Planter	1,236.35	81.72
32 33 33 00-0016	EA		60" Diameter, 36" Height, Circular Precast Concrete Planter	1,569.61	87.56
32 33 33 00-0017	EA		72" Diameter, 36" Height, Circular Precast Concrete Planter	2,034.80	110.91
32 33 33 00-0018	EA		84" Diameter, 36" Height, Circular Precast Concrete Planter	2,354.02	116.75

32 33 33 00-0019			Square Precast Concrete Planters (32 33 33 00-0001)		
-------------------------	--	--	--	--	--

32 33 33 00-0020	EA		36" Square, 30" Height, Square Precast Concrete Planter	978.49	75.89
32 33 33 00-0021	EA		42" Square, 30" Height, Square Precast Concrete Planter	1,115.95	81.72
32 33 33 00-0022	EA		60" Square, 36" Height, Square Precast Concrete Planter	1,732.96	93.40
32 33 33 00-0023	EA		72" Square, 36" Height, Square Precast Concrete Planter	1,848.56	99.24

32 33 33 00-0024			Rectangular Precast Concrete Planters (32 33 33 00-0001)		
-------------------------	--	--	---	--	--

32 33 33 00-0025	EA		33" x 18", 20" Height, Rectangular Precast Concrete Planter	558.75	35.03
32 33 33 00-0026	EA		48" x 18", 20" Height, Rectangular Precast Concrete Planter	665.40	52.53

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0027	EA		60" x 18", 20" Height, Rectangular Precast Concrete Planter.....	769.76	58.37
32 33 33 00-0028	EA		72" x 18", 20" Height, Rectangular Precast Concrete Planter.....	881.79	72.97
32 33 33 00-0029			Fiberglass Planters (32 33 33)		
32 33 33 00-0030			Circular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0031	EA		36" Diameter, 27" High, Circular Fiberglass Planter	1,141.71	29.19
32 33 33 00-0032	EA		60" Diameter, 39" High, Circular Fiberglass Planter	1,888.32	29.19
32 33 33 00-0033	EA		36" Diameter, 24" High, Circular Fiberglass Planter	767.06	29.19
32 33 33 00-0034	EA		60" Diameter, 24" High, Circular Fiberglass Planter	1,494.73	29.19
32 33 33 00-0035			Tapered Circular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0036	EA		24" Diameter, 20" High, Tapered Circular Fiberglass Planter	455.00	29.19
32 33 33 00-0037	EA		30" Diameter, 25" High, Tapered Circular Fiberglass Planter	658.85	29.19
32 33 33 00-0038	EA		36" Diameter, 30" High, Tapered Circular Fiberglass Planter	1,160.65	29.19
32 33 33 00-0039	EA		40" Diameter, 36" High, Tapered Circular Fiberglass Planter	1,613.76	29.19
32 33 33 00-0040			Square Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0041	EA		24" Square, 21" High, Square Fiberglass Planter	591.98	29.19
32 33 33 00-0042	EA		24" Square, 24" High, Square Fiberglass Planter	604.75	29.19
32 33 33 00-0043	EA		30" Square, 12" High, Square Fiberglass Planter	611.51	29.19
32 33 33 00-0044	EA		30" Square, 21" High, Square Fiberglass Planter	691.32	29.19
32 33 33 00-0045	EA		30" Square, 24" High, Square Fiberglass Planter	749.47	29.19
32 33 33 00-0046			Rectangular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0047	EA		48" x 12", 12" High, Rectangular Fiberglass Planter.....	678.68	29.19
32 33 33 00-0048	EA		48" x 12", 21" High, Rectangular Fiberglass Planter.....	726.37	29.19
32 33 33 00-0049	EA		48" x 24", 12" High, Rectangular Fiberglass Planter.....	941.11	29.19
32 33 33 00-0050	EA		48" x 24", 21" High, Rectangular Fiberglass Planter.....	1,036.48	29.19
32 33 33 00-0051			Timber Planters (32 33 33)		
32 33 33 00-0052			Square Timber Planters (32 33 33 00-0051)		
32 33 33 00-0053	EA		14" Square, 30" High, Square Timber Planter.....	475.44	61.35
32 33 33 00-0054	EA		21" Square, 30" High, Square Timber Planter.....	475.44	61.35
32 33 33 00-0055	EA		27" Square, 30" High, Square Timber Planter.....	863.79	61.35
32 33 33 00-0056	EA		34" Square, 30" High, Square Timber Planter.....	754.39	61.35
32 33 33 00-0057	EA		41" Square, 36" High, Square Timber Planter.....	891.13	61.35
32 33 33 00-0058	EA		54" Square, 36" High, Square Timber Planter.....	2,225.73	61.35
32 33 33 00-0059	EA		81" Square, 36" High, Square Timber Planter.....	3,325.14	61.35
32 33 33 00-0060			Rectangular Timber Planters (32 33 33 00-0051)		
32 33 33 00-0061	EA		21" x 14", 30" High, Rectangular Timber Planter	469.97	61.35
32 33 33 00-0062	EA		27" x 14", 30" High, Rectangular Timber Planter	519.20	61.35
32 33 33 00-0063	EA		27" x 21", 30" High, Rectangular Timber Planter	666.88	61.35
32 33 33 00-0064	EA		34" x 21", 30" High, Rectangular Timber Planter	732.51	61.35
32 33 33 00-0065	EA		41" x 21", 30" High, Rectangular Timber Planter	929.42	61.35
32 33 33 00-0066	EA		34" x 27", 30" High, Rectangular Timber Planter	1,071.63	61.35
32 33 33 00-0067	EA		41" x 27", 30" High, Rectangular Timber Planter	1,191.97	61.35
32 33 33 00-0068	EA		54" x 27", 30" High, Rectangular Timber Planter	1,536.56	61.35
32 33 33 00-0069	EA		54" x 34", 30" High, Rectangular Timber Planter	1,727.99	61.35
32 33 33 00-0070	EA		68" x 34", 36" High, Rectangular Timber Planter	1,963.19	61.35
32 33 33 00-0071	EA		54" x 41", 36" High, Rectangular Timber Planter	1,870.21	61.35
32 33 33 00-0072	EA		68" x 41", 36" High, Rectangular Timber Planter	2,110.87	61.35
32 33 33 00-0073	EA		81" x 41", 36" High, Rectangular Timber Planter	2,357.01	61.35
32 33 43 Site Seating And Tables (32 33)					
32 33 43 13 Site Seating (32 33 43)					
32 33 43 13-0001 Benches (Landscapeforms) (32 33 43 13)					
Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.					
32 33 43 13-0002	EA		72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade).....	1,354.37	102.25
32 33 43 13-0003	EA		72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade).....	1,676.34	102.25
32 33 43 13-0004	EA		96" Backed Wood Bench (Landscapeforms Balustrade)	1,883.32	102.25
32 33 43 13-0005	EA		End Loop Arms For Backed Bench (Landscapeforms Balustrade).....	166.11	25.56
32 33 43 13-0006	EA		72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's).....	1,474.36	102.25
32 33 43 13-0007	EA		96" Backless Wood Bench (Landscapeforms Gretchen's).....	1,659.34	102.25
32 33 43 13-0008	EA		72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's).....	1,804.33	102.25
32 33 43 13-0009	EA		96" Backed Wood Bench (Landscapeforms Gretchen's)	2,029.31	102.25
32 33 43 13-0010	EA		72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's).....	2,054.31	102.25
32 33 43 13-0011	EA		96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's).....	2,279.28	102.25
32 33 43 13-0012	EA		59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park).....	2,646.85	102.25
32 33 43 13-0013	EA		75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park).....	2,871.02	102.25
32 33 43 13-0014	EA		42" Backless Metal Grid Bench (Landscapeforms Manistee)	778.71	76.68
32 33 43 13-0015	EA		62" Backless Metal Grid Bench (Landscapeforms Manistee)	837.70	76.68
32 33 43 13-0016	EA		72" Backless Metal Grid Bench (Landscapeforms Manistee)	910.45	89.46
32 33 43 13-0017	EA		82" Backless Metal Grid Bench (Landscapeforms Manistee)	1,052.03	89.46

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-------------	------------------------	----------------------

32 33 43 13-0018	EA	42" Backed Metal Grid Bench (Landscapeforms Manistee).....	969.44	89.46
32 33 43 13-0019	EA	62" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,028.44	89.46
32 33 43 13-0020	EA	72" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,113.00	102.25
32 33 43 13-0021	EA	82" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,266.38	102.25
32 33 43 13-0022	EA	42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,075.63	89.46
32 33 43 13-0023	EA	62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,160.19	102.25
32 33 43 13-0024	EA	72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,219.19	102.25
32 33 43 13-0025	EA	82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,372.57	102.25
32 33 43 13-0026	EA	72" Backless Solid Wood Bench (Landscapeforms Palisade).....	2,144.30	102.25
32 33 43 13-0027	EA	96" Backless Solid Wood Bench (Landscapeforms Palisade).....	2,454.27	102.25
32 33 43 13-0028	EA	70" Backless Perforated Metal Bench (Landscapeforms Petoskey).....	1,400.37	102.25
32 33 43 13-0029	EA	70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey).....	1,676.34	102.25
32 33 43 13-0030	EA	70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey).....	1,814.33	102.25
32 33 43 13-0031	EA	72" Backed Wood Bench (Landscapeforms Plainwell).....	1,769.33	102.25
32 33 43 13-0032	EA	72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell).....	1,954.31	102.25
32 33 43 13-0033	EA	96" Backed Wood Bench (Landscapeforms Plainwell).....	2,154.29	102.25
32 33 43 13-0034	EA	96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell).....	2,339.28	102.25
32 33 43 13-0035	EA	96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell).....	2,529.26	102.25
32 33 43 13-0036	EA	72" Backed Aluminum Bench (Landscapeforms Plainwell).....	2,234.29	102.25
32 33 43 13-0037	EA	72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell).....	2,419.27	102.25
32 33 43 13-0038	EA	96" Backed Aluminum Bench (Landscapeforms Plainwell).....	2,724.24	102.25
32 33 43 13-0039	EA	96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell).....	2,919.22	102.25
32 33 43 13-0040	EA	96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell).....	3,099.20	102.25
32 33 43 13-0041	EA	Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus).....	511.07	25.56
32 33 43 13-0042	EA	Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus).....	681.06	25.56
32 33 43 13-0043	EA	Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus).....	681.06	25.56
32 33 43 13-0044	EA	Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus).....	621.06	25.56
32 33 43 13-0045	EA	Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus).....	766.05	25.56
32 33 43 13-0046	EA	Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus).....	766.05	25.56
32 33 43 13-0047	EA	Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus).....	766.05	25.56
32 33 43 13-0048	EA	Armrest For Metal Grid Seats (Landscapeforms Plexus).....	114.99	25.56
32 33 43 13-0049	EA	Backless Straight Metal Grid Seats (Landscapeforms Presidio).....	711.05	25.56
32 33 43 13-0050	EA	Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio).....	786.05	25.56
32 33 43 13-0051	EA	Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	861.04	25.56
32 33 43 13-0052	EA	Backless Angled Metal Grid Seats (Landscapeforms Presidio).....	856.04	25.56
32 33 43 13-0053	EA	Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio).....	931.03	25.56
32 33 43 13-0054	EA	Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,006.02	25.56
32 33 43 13-0055	EA	Backed Straight Metal Grid Seats (Landscapeforms Presidio).....	846.04	25.56
32 33 43 13-0056	EA	Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio).....	921.03	25.56
32 33 43 13-0057	EA	Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	996.03	25.56
32 33 43 13-0058	EA	Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio).....	1,031.02	25.56
32 33 43 13-0059	EA	Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio).....	1,106.01	25.56
32 33 43 13-0060	EA	Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,181.01	25.56
32 33 43 13-0061	EA	Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio).....	1,031.02	25.56
32 33 43 13-0062	EA	Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio).....	1,106.01	25.56
32 33 43 13-0063	EA	Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,181.01	25.56
32 33 43 13-0064	EA	48" Backless Horizontal Strap Bench (Landscapeforms Scarborough).....	1,454.37	102.25
32 33 43 13-0065	EA	72" Backless Horizontal Strap Bench (Landscapeforms Scarborough).....	1,474.36	102.25
32 33 43 13-0066	EA	96" Backless Horizontal Strap Bench (Landscapeforms Scarborough).....	1,779.33	102.25
32 33 43 13-0067	EA	48" Backless Woven Bench (Landscapeforms Scarborough).....	2,144.30	102.25
32 33 43 13-0068	EA	72" Backless Woven Bench (Landscapeforms Scarborough).....	2,519.26	102.25
32 33 43 13-0069	EA	96" Backless Woven Bench (Landscapeforms Scarborough).....	2,874.22	102.25
32 33 43 13-0070	EA	24" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	1,184.39	102.25
32 33 43 13-0071	EA	48" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	1,554.35	102.25
32 33 43 13-0072	EA	72" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	1,589.35	102.25
32 33 43 13-0073	EA	72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough).....	1,819.33	102.25
32 33 43 13-0074	EA	96" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	2,044.31	102.25
32 33 43 13-0075	EA	96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough).....	2,279.28	102.25
32 33 43 13-0076	EA	96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough).....	2,509.26	102.25
32 33 43 13-0077	EA	24" Backed Woven Bench (Landscapeforms Scarborough).....	2,044.31	102.25
32 33 43 13-0078	EA	48" Backed Woven Bench (Landscapeforms Scarborough).....	2,459.26	102.25
32 33 43 13-0079	EA	72" Backed Woven Bench (Landscapeforms Scarborough).....	2,864.22	102.25
32 33 43 13-0080	EA	72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough).....	3,099.20	102.25
32 33 43 13-0081	EA	96" Backed Woven Bench (Landscapeforms Scarborough).....	3,599.15	102.25
32 33 43 13-0082	EA	96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough).....	3,829.13	102.25
32 33 43 13-0083	EA	96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough).....	4,054.11	102.25
32 33 43 13-0084	EA	32" Backed Strap Or Perforated Bench (Landscapeforms Town Square).....	1,003.84	89.46
32 33 43 13-0085	EA	49" Backed Strap Or Perforated Bench (Landscapeforms Town Square).....	1,198.82	89.46
32 33 43 13-0086	EA	49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square).....	1,303.81	89.46
32 33 43 13-0087	EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square).....	1,524.36	102.25
32 33 43 13-0088	EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square).....	1,719.34	102.25

32 33 43 13-0089 Benches (Columbia Cascade, TimberForm) (32 33 43 13)

32 33 43 13-0090 Wood Benches (Columbia Cascade, TimberForm) (32 33 43 13-0089)

Note: Includes powder coated steel frames.

32 33 43 13-0091	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E).....	533.22	51.12
32 33 43 13-0092	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E).....	603.88	51.12
32 33 43 13-0093	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E).....	759.29	51.12
32 33 43 13-0094	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P).....	554.44	51.12
32 33 43 13-0095	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P).....	625.08	51.12
32 33 43 13-0096	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P).....	787.55	51.12
32 33 43 13-0097	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E).....	787.55	51.12
32 33 43 13-0098	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E).....	907.64	51.12
32 33 43 13-0099	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E).....	1,154.89	51.12

32 Exterior Improvements

32 30 Site Improvements

32 33 Site Furnishings

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 33 43 13-0100	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P)	822.87		51.12
32 33 43 13-0101	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P)	942.96		51.12
32 33 43 13-0102	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P)	1,204.34		51.12
32 33 43 13-0103	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E)	1,472.77		51.12
32 33 43 13-0104	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E)	1,720.02		51.12
32 33 43 13-0105	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E)	2,235.70		51.12
32 33 43 13-0106	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P)	1,508.09		51.12
32 33 43 13-0107	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P)	1,755.34		51.12
32 33 43 13-0108	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P)	2,285.14		51.12
32 33 43 13-0109	EA	70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E)	610.95		51.12
32 33 43 13-0110	EA	94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E)	681.59		51.12
32 33 43 13-0111	EA	70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P)	632.14		51.12
32 33 43 13-0112	EA	94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P)	702.78		51.12
32 33 43 13-0113	EA	46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E)	985.35		51.12
32 33 43 13-0114	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E)	1,154.89		51.12
32 33 43 13-0115	EA	46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P)	1,041.86		51.12
32 33 43 13-0116	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P)	1,211.40		51.12
32 33 43 13-0117	EA	70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6)	665.65		76.68
32 33 43 13-0118	EA	94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8)	693.91		76.68
32 33 43 13-0119	EA	118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10)	912.90		76.68
32 33 43 13-0120	EA	46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E)	504.99		51.12
32 33 43 13-0121	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E)	575.63		51.12
32 33 43 13-0122	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E)	646.27		51.12
32 33 43 13-0123	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E)	815.81		51.12
32 33 43 13-0124	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E)	886.45		51.12
32 33 43 13-0125	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P)	512.05		51.12
32 33 43 13-0126	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P)	582.70		51.12
32 33 43 13-0127	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P)	653.34		51.12
32 33 43 13-0128	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P)	837.00		51.12
32 33 43 13-0129	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P)	907.64		51.12
32 33 43 13-0130	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E)	829.94		51.12
32 33 43 13-0131	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E)	950.03		51.12
32 33 43 13-0132	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E)	1,211.40		51.12
32 33 43 13-0133	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E)	1,331.49		51.12
32 33 43 13-0134	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P)	844.07		51.12
32 33 43 13-0135	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P)	964.16		51.12
32 33 43 13-0136	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P)	1,232.59		51.12
32 33 43 13-0137	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P)	1,352.68		51.12
32 33 43 13-0138	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E)	829.94		51.12
32 33 43 13-0139	EA	82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E)	1,147.82		51.12
32 33 43 13-0140	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E)	1,027.73		51.12
32 33 43 13-0141	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E)	1,338.55		51.12
32 33 43 13-0142	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E)	1,458.64		51.12
32 33 43 13-0143	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P)	942.96		51.12
32 33 43 13-0144	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P)	1,169.02		51.12
32 33 43 13-0145	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P)	1,041.86		51.12
32 33 43 13-0146	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P)	1,359.75		51.12
32 33 43 13-0147	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P)	1,479.84		51.12
32 33 43 13-0148	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6)	898.77		76.68
32 33 43 13-0149	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8)	1,025.92		76.68
32 33 43 13-0150	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10)	1,294.36		76.68
32 33 43 13-0151	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6)	976.47		76.68
32 33 43 13-0152	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8)	1,103.63		76.68
32 33 43 13-0153	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10)	1,414.45		76.68
32 33 43 13-0154		Recycled Plastic Benches (Columbia Cascade, TimberForm) <small>(32 33 43 13-0089)</small>			
		Note: Includes powder coated steel frames.			
32 33 43 13-0155	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E)	709.85		51.12
32 33 43 13-0156	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E)	950.03		51.12
32 33 43 13-0157	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P)	731.04		51.12
32 33 43 13-0158	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P)	971.22		51.12
32 33 43 13-0159	EA	46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E)	1,084.25		51.12
32 33 43 13-0160	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E)	1,260.85		51.12
32 33 43 13-0161	EA	46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P)	1,140.76		51.12
32 33 43 13-0162	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P)	1,317.36		51.12

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0163	EA	70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6).....	736.29	76.68
32 33 43 13-0164	EA	94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8).....	870.51	76.68
32 33 43 13-0165	EA	118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10).....	1,011.79	76.68
32 33 43 13-0166	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E).....	589.73	51.12
32 33 43 13-0167	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E).....	773.42	51.12
32 33 43 13-0168	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E).....	914.70	51.12
32 33 43 13-0169	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P).....	610.95	51.12
32 33 43 13-0170	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P).....	794.62	51.12
32 33 43 13-0171	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P).....	942.96	51.12
32 33 43 13-0172	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E).....	907.64	51.12
32 33 43 13-0173	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E).....	1,204.34	51.12
32 33 43 13-0174	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E).....	1,451.58	51.12
32 33 43 13-0175	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P).....	942.96	51.12
32 33 43 13-0176	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P).....	1,253.78	51.12
32 33 43 13-0177	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P).....	1,501.03	51.12
32 33 43 13-0178	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E).....	1,720.02	51.12
32 33 43 13-0179	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E).....	2,348.72	51.12
32 33 43 13-0180	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E).....	2,595.96	51.12
32 33 43 13-0181	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P).....	1,755.34	51.12
32 33 43 13-0182	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P).....	2,398.17	51.12
32 33 43 13-0183	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P).....	2,645.41	51.12
32 33 43 13-0184	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E).....	1,098.37	51.12
32 33 43 13-0185	EA	82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E).....	1,508.09	51.12
32 33 43 13-0186	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E).....	1,444.52	51.12
32 33 43 13-0187	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E).....	1,649.37	51.12
32 33 43 13-0188	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E).....	2,200.38	51.12
32 33 43 13-0189	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P).....	1,112.50	51.12
32 33 43 13-0190	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P).....	1,529.29	51.12
32 33 43 13-0191	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P).....	1,465.71	51.12
32 33 43 13-0192	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P).....	1,670.57	51.12
32 33 43 13-0193	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P).....	2,235.70	51.12
32 33 43 13-0194	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154- 6).....	1,075.37	76.68
32 33 43 13-0195	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154- 8).....	1,421.51	76.68
32 33 43 13-0196	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154- 10).....	1,739.40	76.68
32 33 43 13-0197	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6).....	1,195.46	76.68
32 33 43 13-0198	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8).....	1,569.86	76.68
32 33 43 13-0199	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10).....	1,718.20	76.68
32 33 43 13-0200	EA	46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E).....	533.25	51.12
32 33 43 13-0201	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E).....	681.59	51.12
32 33 43 13-0202	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E).....	900.58	51.12
32 33 43 13-0203	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E).....	1,048.93	51.12
32 33 43 13-0204	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E).....	1,211.40	51.12
32 33 43 13-0205	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P).....	547.37	51.12
32 33 43 13-0206	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P).....	695.72	51.12
32 33 43 13-0207	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P).....	921.77	51.12
32 33 43 13-0208	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P).....	1,070.12	51.12
32 33 43 13-0209	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P).....	1,239.66	51.12
32 33 43 13-0210	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E).....	985.35	51.12
32 33 43 13-0211	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E).....	1,331.49	51.12
32 33 43 13-0212	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E).....	1,628.18	51.12
32 33 43 13-0213	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E).....	1,825.98	51.12
32 33 43 13-0214	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P).....	999.48	51.12
32 33 43 13-0215	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P).....	1,352.68	51.12
32 33 43 13-0216	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P).....	1,649.37	51.12
32 33 43 13-0217	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P).....	1,854.23	51.12

32 33 43 53 Site Tables (32 33 43)

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
32 33 43 53-0001		Picnic Tables <small>(32 33 43 53)</small>		
32 33 43 53-0002		Wooden Picnic Tables <small>(32 33 43 53-0001)</small>		
32 33 43 53-0003	EA	6' Permanent Rectangular Redwood Table	816.27	76.68
32 33 43 53-0004		Portable Picnic Tables <small>(32 33 43 53-0001)</small>		
32 33 43 53-0005	EA	6' Wood Table With Aluminum Frame.....	764.21	51.12
32 33 43 53-0006	EA	6' Aluminum Table And Frame.....	1,084.11	51.12
32 33 43 53-0007	EA	8' Aluminum Table And Frame.....	1,296.68	63.91
32 33 43 53-0008	EA	6' Steel Table And Frame	757.16	51.12
32 33 43 53-0009	EA	8' Steel Table And Frame	872.24	63.91
32 33 43 53-0010		Concrete Picnic Tables <small>(32 33 43 53-0001)</small>		
32 33 43 53-0011	EA	72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quickcrete QLB72PT).....	1,601.52	204.49
32 33 43 53-0012	EA	96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLB796PT Or QLMR96PT).....	1,847.10	
		Note: Standard sealer		
32 33 43 53-0013	EA	102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA).....	1,852.29	
		Note: Standard sealer		
32 33 43 53-0014	EA	42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC).....	2,002.18	
		Note: Includes table top, four benches and mounting hardware.		
32 33 43 53-0015		Plastic Picnic Tables <small>(32 33 43 53-0001)</small>		
		Note: Manufactured from recycled plastic.		
32 33 43 53-0016		Pedestal Tables - 4' Square, 2 Seats <small>(32 33 43 53-0015)</small>		
32 33 43 53-0017	EA	3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	533.05	76.68
32 33 43 53-0018	EA	4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	573.38	76.68
32 33 43 53-0019		Pedestal Tables - 4' Square, 4 Seats <small>(32 33 43 53-0015)</small>		
32 33 43 53-0020	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	663.83	76.68
32 33 43 53-0021	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	717.99	76.68
32 33 43 53-0022		Recycled Plastic Tables <small>(32 33 43 53-0015)</small>		
32 33 43 53-0023	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber.....	834.75	76.68
32 33 43 53-0024	EA	6' "Walk-Through" Table, Recycled Plastic Lumber	713.97	76.68
32 33 43 53-0025	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	769.48	76.68
32 33 43 53-0026	EA	8' "Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	726.85	76.68
32 33 43 53-0027	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	885.70	76.68
32 33 43 53-0028	EA	4' Youth Table, Recycled Plastic Lumber.....	397.44	61.35
32 39		Manufactured Site Specialties <small>(32 30)</small>		
		Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0139 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.		
32 39 13		Manufactured Metal Bollards <small>(32 39)</small>		
32 39 13 00-0001		Metal Pipe Bollards <small>(32 39 13)</small>		
		Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.		
32 39 13 00-0002		Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated <small>(32 39 13 00-0001)</small>		
32 39 13 00-0003	LF	4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	48.56	14.00
		For Galvanized Steel, Add	3.50	
		For 304 Stainless Steel, Add	27.77	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	135.96	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	92.50	
		For Schedule 80, Add	5.88	
		For Concrete Fill, Add Per LF Of Pipe Bollard	9.58	
32 39 13 00-0004	LF	6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	60.43	14.00
		For Galvanized Steel, Add	5.51	
		For 304 Stainless Steel, Add	43.79	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	135.96	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	92.50	
		For Schedule 80, Add	7.67	
		For Concrete Fill, Add Per LF Of Pipe Bollard	13.39	
32 39 13 00-0005	LF	8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	83.10	17.50
		For Galvanized Steel, Add	8.18	
		For 304 Stainless Steel, Add	64.95	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	177.96	
		For Each Sleeve For Removable, Lockable Bollard, Add	136.39	
		For Schedule 80, Add	10.72	
		For Concrete Fill, Add Per LF Of Pipe Bollard	17.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 13 00-0006	LF		10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	107.82	20.99
			<i>For Galvanized Steel, Add</i>	11.19	
			<i>For 304 Stainless Steel, Add</i>	88.87	
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	205.96	
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	150.04	
			<i>For Schedule 80, Add</i>	14.07	
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i>	21.78	
32 39 13 00-0007	LF		12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	137.68	27.99
			<i>For Galvanized Steel, Add</i>	13.89	
			<i>For 304 Stainless Steel, Add</i>	110.28	
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	276.96	
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	206.05	
			<i>For Schedule 80, Add</i>	17.85	
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i>	25.29	
32 39 16 Manufactured Concrete Bollards (32 39)					
32 39 16 00-0001			Concrete Bollards (32 39 16) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any.		
32 39 16 00-0002			Concrete Bollard, Exposed Aggregate (32 39 16 00-0001)		
32 39 16 00-0003	EA		12" x 12" x 30" High Concrete Bollard, Light Sandblast.....	560.65	111.97
			Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 16 00-0004	EA		12" Diameter x 30" High Concrete Bollard, Light Sandblast.....	560.65	111.97
			Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 19 Manufactured Wood Bollards (32 39)					
32 39 19 00-0001			Wood Bollards (32 39 19) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 19 00-0002			Wood Bollard, Pressure Treated Timber (32 39 19 00-0001)		
32 39 19 00-0003	LF		4" x 4", Pressure Treated Wood Bollard	25.10	11.20
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	90.68	
32 39 19 00-0004	LF		6" x 6", Pressure Treated Wood Bollard	27.97	11.20
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	90.68	
32 39 19 00-0005	LF		8" x 8", Pressure Treated Wood Bollard	35.11	12.60
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	134.32	
32 39 19 00-0006	LF		10" x 10", Pressure Treated Wood Bollard	49.06	16.80
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	150.70	
32 39 19 00-0007	LF		12" x 12", Pressure Treated Wood Bollard	67.06	22.39
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	210.67	
32 39 23 Manufactured Plastic Bollards (32 39)					
32 39 23 00-0001			Plastic Bollards (32 39 23) See CSI section 32 31 13 13-0001 for augering and filling holes for bollards.		
32 39 23 00-0002			Recycled Plastic Bollards (32 39 23 00-0001)		
32 39 23 00-0003	EA		6" x 6" x 33" Surface Mounted Recycled Plastic Bollard.....	247.93	55.99
			Note: Includes anchor bolts.		
32 39 23 00-0004	EA		6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard.....	368.96	55.99
32 39 23 00-0005			Plastic Bollard Covers (32 39 23 00-0001)		
32 39 23 00-0006	EA		4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	61.99	13.01
			<i>For Reflective Tape, Add</i>	5.71	
32 39 23 00-0007	EA		6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	67.52	14.32
			<i>For Reflective Tape, Add</i>	5.71	
32 39 23 00-0008	EA		3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	79.98	13.01
			<i>For Reflective Tape, Add</i>	5.71	
32 39 23 00-0009	EA		3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe	79.98	13.01
			<i>For Reflective Tape, Add</i>	5.71	
32 39 23 00-0010	EA		3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe	88.37	13.01
			<i>For Reflective Tape, Add</i>	5.71	
32 39 23 00-0011	EA		4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	79.98	13.01
			<i>For Reflective Tape, Add</i>	5.71	
32 39 23 00-0012	EA		4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	81.18	13.01
			<i>For Reflective Tape, Add</i>	5.71	
32 39 23 00-0013	EA		5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	79.98	13.01
			<i>For Reflective Tape, Add</i>	5.71	
32 39 23 00-0014	EA		5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	81.18	13.01
			<i>For Reflective Tape, Add</i>	5.71	
32 39 23 00-0015	EA		5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	108.76	13.01
			<i>For Reflective Tape, Add</i>	5.71	
32 39 23 00-0016	EA		6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	82.59	14.32
			<i>For Reflective Tape, Add</i>	5.71	
32 39 23 00-0017	EA		6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	101.78	14.32
			<i>For Reflective Tape, Add</i>	5.71	
32 39 23 00-0018	EA		6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	114.29	14.32
			<i>For Reflective Tape, Add</i>	5.71	
32 39 23 00-0019	EA		7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	99.58	15.61
			<i>For Reflective Tape, Add</i>	5.71	
32 39 23 00-0020	EA		8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe	106.77	15.61
			<i>For Reflective Tape, Add</i>	5.71	

32 Exterior Improvements**32 30 Site Improvements****32 39 Manufactured Site Specialties**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 39 23 00-0021	EA	8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe <i>For Reflective Tape, Add</i>	106.77		15.61
32 39 23 00-0022	EA	10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe <i>For Reflective Tape, Add</i>	139.17	5.71	15.61
32 39 26 Manufactured Stone Bollards (32 39)					
32 39 26 00-0001 Stone Bollards (32 39 26)					
32 39 26 00-0002 Granite Bollards (32 39 26 00-0001)					
32 39 26 00-0003	EA	16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,192.92		139.97
32 39 26 00-0004	EA	16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,520.70		195.96
32 39 26 00-0005	EA	12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	767.97		139.97
32 39 26 00-0006	EA	12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,087.13		111.97
32 39 26 00-0007	EA	24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,593.42		111.97
32 80 Irrigation (32)					
32 84 Planting Irrigation (32 80)					
32 84 13 Drip Irrigation (32 84)					
32 84 13 00-0001 Drip Emitter Irrigation Devices (32 84 13)					
32 84 13 00-0002 Drip Emitter Irrigation Valves (32 84 13 00-0001)					
32 84 13 00-0003	EA	1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	45.09		12.31
32 84 13 00-0004	EA	1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV100)	58.61		12.31
32 84 13 00-0005	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075)	57.66		12.31
32 84 13 00-0006	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075TBOS)	70.36		12.31
32 84 13 00-0007 Drip Emitter Irrigation Filters (32 84 13 00-0001)					
32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	97.20		12.31
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	97.90		12.31
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	50.99		12.31
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	51.55		12.31
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	103.71		12.31
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	59.40		12.31
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	63.78		12.31
32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators (32 84 13 00-0001)					
32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	50.42		12.31
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	50.42		12.31
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	50.42		12.31
32 84 13 00-0019	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	55.03		12.31
32 84 13 00-0020 Drip Emitter Irrigation Tubing (32 84 13 00-0001)					
Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.					
32 84 13 00-0021	LF	1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	4.04		1.73
32 84 13 00-0022	LF	1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	4.10		1.97
32 84 13 00-0023	LF	1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100)	3.60		1.73
			<i>For Shallow Trenching And Backfill By Hand, Add</i>	7.08	
32 84 13 00-0024	LF	1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100)	4.07		1.97
			<i>For Shallow Trenching And Backfill By Hand, Add</i>	7.68	
32 84 13 00-0025 Drip Emitter Irrigation Fittings (32 84 13 00-0001)					
32 84 13 00-0026	EA	1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	3.15		
32 84 13 00-0027	EA	1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	3.17		
32 84 13 00-0028	EA	1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	3.20		
32 84 13 00-0029	EA	1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025)	3.28		
32 84 13 00-0030	EA	1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	3.14		
32 84 13 00-0031	EA	17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP)	3.24		
			<i>For Compression Fitting, Add</i>	0.17	
32 84 13 00-0032	EA	17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW)	3.28		
			<i>For Compression Fitting, Add</i>	0.21	
32 84 13 00-0033	EA	17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE)	3.31		
			<i>For Compression Fitting, Add</i>	0.24	
32 84 13 00-0034	EA	17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050)	3.32		
			<i>For Compression Fitting, Add</i>	0.25	

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

32 84 13 00-0035	EA		17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS) <i>For Compression Fitting, Add</i>	3.42 0.35	
32 84 13 00-0036	EA		1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP).....	3.54	
32 84 13 00-0037	EA		12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND).....	1.76	

32 84 13 00-0038 Drip Emitters (32 84 13 00-0001)

32 84 13 00-0039	EA		0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC).....	6.42	
32 84 13 00-0040	EA		5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24).....	6.86	
32 84 13 00-0041	EA		0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056).....	12.39	

32 84 13 00-0042 Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters (32 84 13 00-0001)

32 84 13 00-0043	EA		Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK).....	25.31	11.08
32 84 13 00-0044	EA		Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK).....	25.34	11.08
32 84 13 00-0045	EA		12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL).....	26.57	11.08
32 84 13 00-0046	EA		24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL).....	26.70	11.08
32 84 13 00-0047	EA		4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL)..... <i>Note: Includes nozzle.</i>	36.93	14.52
32 84 13 00-0048	EA		6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL)..... <i>Note: Includes nozzle.</i>	38.52	14.52
32 84 13 00-0049	EA		12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL)..... <i>Note: Includes nozzle.</i>	34.70	14.52

32 84 13 00-0050 Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS) (32 84 13 00-0001)

32 84 13 00-0051	LF		0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield)..... <i>Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.</i>	4.65	2.15
------------------	----	--	--	------	------

32 84 23 Underground Sprinklers (32 84)

32 84 23 00-0001 Sprinkler Heads (32 84 23)

32 84 23 00-0002 Spray Sprinkler Heads (32 84 23 00-0001)

Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.

32 84 23 00-0003	EA		2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)..... <i>For Rotary Nozzle, Add</i>	33.28 3.25	13.59
32 84 23 00-0004	EA		4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)..... <i>For Rotary Nozzle, Add</i>	32.38 3.25	13.59
32 84 23 00-0005	EA		6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)..... <i>For Rotary Nozzle, Add</i>	35.72 3.25	13.59
32 84 23 00-0006	EA		12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)..... <i>For Rotary Nozzle, Add</i>	38.53 3.25	13.59
32 84 23 00-0007	EA		4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)..... <i>For Rotary Nozzle, Add</i>	33.64 3.25	13.59
32 84 23 00-0008	EA		6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)..... <i>For Rotary Nozzle, Add</i>	38.35 3.25	13.59
32 84 23 00-0009	EA		12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)..... <i>For Rotary Nozzle, Add</i>	40.61 3.25	13.59
32 84 23 00-0010	EA		4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)..... <i>For Rotary Nozzle, Add</i>	34.98 3.25	13.59
32 84 23 00-0011	EA		6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)..... <i>For Rotary Nozzle, Add</i>	39.27 3.25	13.59
32 84 23 00-0012	EA		12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)..... <i>For Rotary Nozzle, Add</i>	41.39 3.25	13.59
32 84 23 00-0013	EA		4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)..... <i>For Rotary Nozzle, Add</i>	35.52 3.25	13.59
32 84 23 00-0014	EA		6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)..... <i>For Rotary Nozzle, Add</i>	42.10 3.25	13.59
32 84 23 00-0015	EA		12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)..... <i>For Rotary Nozzle, Add</i>	44.19 3.25	13.59

32 84 23 00-0016 Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0001)

Note: Maximum spacing is equivalent to maximum radius.

32 84 23 00-0017 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0016)

Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.

32 84 23 00-0018	EA		4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)..... <i>For Non-Potable Cover, Add</i>	39.90 2.00	13.59
32 84 23 00-0019	EA		4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)..... <i>For Non-Potable Cover, Add</i>	40.64 2.00	13.59

32 84 23 00-0020 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0016)

Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.

32 84 23 00-0021	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)..... <i>For Non-Potable Cover, Add</i> <i>For Stainless Steel Riser, Add</i>	38.11 2.00 9.00	13.59
------------------	----	--	--	-----------------------	-------

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0022	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)	46.16	13.59
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0023	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)	39.60	13.59
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0024	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)	47.35	13.59
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0025	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)	40.20	13.59
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0026	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR)	41.39	13.59
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0027	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR)	49.14	13.59
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0028	EA		12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)	53.91	13.59
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0029	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS)	41.24	13.59
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0030	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR)	46.01	13.59
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0031			1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0016)</small> Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0032	EA		4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)	57.34	13.59
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
			<i>For Stainless Steel Riser And High Speed Rotor, Add</i>	21.94	
32 84 23 00-0033			1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0016)</small> Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA		5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005).....	74.63	13.59
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0035			Impact-Drive Sprinkler Heads <small>(32 84 23 00-0001)</small> Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0036	EA		1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08).....	48.99	13.59
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0037	EA		1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	41.84	13.59
32 84 23 00-0038	EA		3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB)	65.68	13.59
32 84 23 00-0039			Electric Remote Control Irrigation Valves <small>(32 84 23)</small>		
32 84 23 00-0040			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) <small>(32 84 23 00-0039)</small> Note: 15 to 150 PSI.		
32 84 23 00-0041	EA		3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV).....	140.20	56.65
32 84 23 00-0042	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV).....	140.20	56.65
32 84 23 00-0043	EA		1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	140.80	56.65
32 84 23 00-0044			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) <small>(32 84 23 00-0039)</small> Note: 15 to 150 PSI.		
32 84 23 00-0045	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	140.80	56.65
32 84 23 00-0046			0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) <small>(32 84 23 00-0039)</small> Note: 20 to 200 PSI.		
32 84 23 00-0047	EA		1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	188.50	56.65
32 84 23 00-0048	EA		1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	209.37	56.65
32 84 23 00-0049	EA		2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	236.21	56.65

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

32 84 23 00-0050			5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) (32 84 23 00-0039) Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0051	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	248.97	63.67
32 84 23 00-0052	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	269.84	63.67
32 84 23 00-0053	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	296.67	63.67
32 84 23 00-0054			20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) (32 84 23 00-0039) Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0055	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	278.78	63.67
32 84 23 00-0056	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	299.65	63.67
32 84 23 00-0057	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	326.49	63.67
32 84 23 00-0058			0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) (32 84 23 00-0039) Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0059	EA		1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	247.86	56.65
32 84 23 00-0060	EA		1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	343.81	56.65
32 84 23 00-0061	EA		2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	352.49	56.65
32 84 23 00-0062	EA		3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	760.84	76.47
32 84 23 00-0063			5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) (32 84 23 00-0039) Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0064	EA		1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	242.50	63.67
32 84 23 00-0065	EA		1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	271.03	63.67
32 84 23 00-0066	EA		1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	302.01	63.67
32 84 23 00-0067	EA		2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	342.80	63.67
32 84 23 00-0068			0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) (32 84 23 00-0039) Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA		1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS)	296.13	63.67
32 84 23 00-0070	EA		1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS)	409.97	63.67
32 84 23 00-0071	EA		2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS)	419.73	63.67
32 84 23 00-0072	EA		3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS)	791.61	63.67
32 84 23 00-0073			0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) (32 84 23 00-0039) Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA		1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B-ACCU-SYNC-ADJ)	291.23	56.65
32 84 23 00-0075	EA		1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B-ACCU-SYNC-ADJ)	387.18	56.65
32 84 23 00-0076	EA		2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B-ACCU-SYNC-ADJ)	395.86	56.65
32 84 23 00-0077	EA		3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B-ACCU-SYNC-ADJ)	804.21	76.47
32 84 23 00-0078			5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) (32 84 23 00-0039) Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA		1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D)	287.22	63.67
32 84 23 00-0080	EA		1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D)	315.75	63.67
32 84 23 00-0081	EA		1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D)	346.73	63.67
32 84 23 00-0082	EA		2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D)	387.52	63.67

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
32 84 23 00-0083		0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) <small>(32 84 23 00-0039)</small>			
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.			
32 84 23 00-0084	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ).....	339.50		63.67
32 84 23 00-0085	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ).....	453.34		63.67
32 84 23 00-0086	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ).....	463.10		63.67
32 84 23 00-0087	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ).....	834.98		63.67
32 84 23 00-0088		Irrigation Valve Boxes <small>(32 84 23)</small>			
		Note: Includes lid.			
32 84 23 00-0089	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND).....	92.97		40.78
32 84 23 00-0090	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND).....	100.01		40.78
32 84 23 00-0091	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND).....	131.39		53.71
32 84 23 00-0092	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD).....	215.38		78.40
32 84 23 00-0093	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH).....	218.23		78.40
32 84 23 00-0094	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB).....	238.64		78.40
32 84 23 00-0095	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH).....	241.07		78.40
32 84 23 00-0096	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH).....	357.73		78.40
32 84 23 00-0097	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH).....	508.83		78.40
32 84 23 00-0098		Irrigation Controllers <small>(32 84 23)</small>			
		See CSI section 27 14 13 16-0349 for low voltage wiring.			
32 84 23 00-0099		Irrigation Controllers <small>(32 84 23 00-0098)</small>			
32 84 23 00-0100		Irrigation Controllers (Rain Bird®) <small>(32 84 23 00-0099)</small>			
32 84 23 00-0101		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) <small>(32 84 23 00-0100)</small>			
32 84 23 00-0102		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0101)</small>			
32 84 23 00-0103		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) <small>(32 84 23 00-0102)</small>			
32 84 23 00-0104	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	273.27		40.90
32 84 23 00-0105	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	384.09		40.90
32 84 23 00-0106	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	494.89		40.90
32 84 23 00-0107	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	605.70		40.90
32 84 23 00-0108	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	675.62		40.90
32 84 23 00-0109	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	791.54		40.90
32 84 23 00-0110	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	907.47		40.90
32 84 23 00-0111		Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0102)</small>			
32 84 23 00-0112	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	299.55		40.90
32 84 23 00-0113	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	410.37		40.90
32 84 23 00-0114	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	521.17		40.90
32 84 23 00-0115	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	631.98		40.90
32 84 23 00-0116	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	701.90		40.90
32 84 23 00-0117	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	817.82		40.90
32 84 23 00-0118	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	933.75		40.90
32 84 23 00-0119		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) <small>(32 84 23 00-0101)</small>			
32 84 23 00-0120		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) <small>(32 84 23 00-0119)</small>			
32 84 23 00-0121	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	364.57		40.90
32 84 23 00-0122	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	475.39		40.90
32 84 23 00-0123	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	586.19		40.90
32 84 23 00-0124	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	697.00		40.90
32 84 23 00-0125	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	766.92		40.90
32 84 23 00-0126	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	882.84		40.90
32 84 23 00-0127	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	998.77		40.90
32 84 23 00-0128		Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) <small>(32 84 23 00-0119)</small>			
32 84 23 00-0129	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	384.26		40.90
32 84 23 00-0130	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	495.08		40.90
32 84 23 00-0131	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	605.88		40.90
32 84 23 00-0132	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	716.69		40.90
32 84 23 00-0133	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	786.61		40.90
32 84 23 00-0134	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	902.53		40.90
32 84 23 00-0135	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,018.46		40.90

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

32 84 23 00-0136			Accessories For ESP-ME/MEI Irrigation Controllers (32 84 23 00-0101)		
32 84 23 00-0137	EA		3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3)..... 115.92 Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	115.92	
32 84 23 00-0138	EA		6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6)..... 226.37 Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	226.37	
32 84 23 00-0139	EA		Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG) 222.93	222.93	
32 84 23 00-0140			Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) (32 84 23 00-0100)		
32 84 23 00-0141			Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) (32 84 23 00-0140)		
32 84 23 00-0142	EA		12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)..... 596.86	596.86	40.90
32 84 23 00-0143	EA		16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)..... 733.49	733.49	40.90
32 84 23 00-0144	EA		20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)..... 871.40	871.40	40.90
32 84 23 00-0145	EA		24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)..... 1,008.03	1,008.03	40.90
32 84 23 00-0146	EA		28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)..... 1,145.94	1,145.94	40.90
32 84 23 00-0147	EA		32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)..... 1,282.57	1,282.57	40.90
32 84 23 00-0148	EA		36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)..... 1,420.49	1,420.49	40.90
32 84 23 00-0149	EA		40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)..... 1,557.11	1,557.11	40.90
32 84 23 00-0150	EA		44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)..... 1,695.02	1,695.02	40.90
32 84 23 00-0151	EA		48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)..... 1,831.67	1,831.67	40.90
32 84 23 00-0152			Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) (32 84 23 00-0140)		
32 84 23 00-0153	EA		8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)..... 536.71	536.71	40.90
32 84 23 00-0154	EA		12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)..... 673.34	673.34	40.90
32 84 23 00-0155	EA		16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)..... 811.25	811.25	40.90
32 84 23 00-0156	EA		20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)..... 947.88	947.88	40.90
32 84 23 00-0157	EA		24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)..... 1,085.79	1,085.79	40.90
32 84 23 00-0158	EA		28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)..... 1,222.43	1,222.43	40.90
32 84 23 00-0159	EA		32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)..... 1,360.32	1,360.32	40.90
32 84 23 00-0160	EA		36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)..... 1,496.97	1,496.97	40.90
32 84 23 00-0161	EA		40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)..... 1,634.87	1,634.87	40.90
32 84 23 00-0162	EA		44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)..... 1,771.50	1,771.50	40.90
32 84 23 00-0163	EA		48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)..... 1,909.42	1,909.42	40.90
32 84 23 00-0164			Accessories For ESP-LX/LXME Irrigation Controllers (32 84 23 00-0140)		
32 84 23 00-0165	EA		Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM)..... 334.88	334.88	
32 84 23 00-0166	EA		Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM)..... 755.80 Note: Excludes concrete foundation.	755.80	
32 84 23 00-0167	EA		Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS)..... 656.74	656.74	
32 84 23 00-0168	EA		Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS)..... 1,444.14 Note: Excludes concrete foundation.	1,444.14	
32 84 23 00-0169	EA		4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4) 136.63 Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	136.63	
32 84 23 00-0170	EA		8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8) 274.54 Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	274.54	
32 84 23 00-0171	EA		12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12) 419.94 Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	419.94	
32 84 23 00-0172	EA		Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME)..... 142.34	142.34	
32 84 23 00-0173			Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0100)		
32 84 23 00-0174			Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0173)		
32 84 23 00-0175	EA		1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)..... 256.53	256.53	40.90
32 84 23 00-0176	EA		2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)..... 319.74	319.74	40.90
32 84 23 00-0177	EA		4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)..... 424.48	424.48	40.90
32 84 23 00-0178			Accessories For TBOS-II Series Irrigation Controllers (32 84 23 00-0173)		
32 84 23 00-0179	EA		Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS) 223.07	223.07	
32 84 23 00-0180	EA		Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL) 77.89	77.89	30.68
32 84 23 00-0181			Accessories For Irrigation Controllers (Rain Bird®) (32 84 23 00-0100)		
32 84 23 00-0182	EA		Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX)..... 143.72	143.72	30.68
32 84 23 00-0183	EA		Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC)..... 263.76	263.76	30.68
32 84 23 00-0184	EA		Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC)..... 271.41	271.41	30.68

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0185 EA Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y)	337.70	30.68
32 84 23 00-0186 Two-Wire Decoder Systems (32 84 23 00-0098)		
32 84 23 00-0187 Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0186)		
32 84 23 00-0188 Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) (32 84 23 00-0187) Note: Includes water resistant cabinet.		
32 84 23 00-0189 EA 50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	1,416.39	40.90
32 84 23 00-0190 EA 125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	2,329.67	40.90
32 84 23 00-0191 EA 200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	3,242.96	40.90
32 84 23 00-0192 Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0187)		
32 84 23 00-0193 EA One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF)	195.41	40.90
32 84 23 00-0194 EA One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF)	243.89	40.90
32 84 23 00-0195 EA Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF)	351.96	40.90
32 84 23 00-0196 EA Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF)	405.99	40.90
32 84 23 00-0197 EA Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF)	629.03	40.90
32 84 23 00-0198 Accessories For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0187)		
32 84 23 00-0199 EA 50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD)	1,106.48	
32 84 23 00-0200 EA 75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75)	913.28	
32 84 23 00-0201 EA Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF)	150.62	35.79
32 84 23 00-0202 EA Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF)	506.97	40.90
32 84 23 00-0203 Satellite Irrigation Controllers (Rain Bird® ESP-SAT) (32 84 23 00-0098) Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0204 EA 12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS)	2,867.15	230.05
32 84 23 00-0205 EA 24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS)	3,023.87	242.83
32 84 23 00-0206 EA 40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	4,122.17	255.60
32 84 23 00-0207 Irrigation Valves (32 84 23)		
32 84 23 00-0208 Reduced Pressure Zone Valves With QT Shut-Offs (32 84 23 00-0207) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0209 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	506.38	46.78
32 84 23 00-0210 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	602.70	57.11
32 84 23 00-0211 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	887.64	66.48
32 84 23 00-0212 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	944.95	76.32
32 84 23 00-0213 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,142.59	98.48
32 84 23 00-0214 Brass Quick-Coupling Irrigation Valves (32 84 23 00-0207)		
32 84 23 00-0215 EA 3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)	128.80	40.78
For Valve Key, Add	21.91	
32 84 23 00-0216 EA 3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	131.34	40.78
For Locking Cover, Add	25.00	
For Valve Key, Add	21.91	
32 84 23 00-0217 EA 1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)	159.22	40.78
For Valve Key, Add	56.05	
32 84 23 00-0218 EA 1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)	169.35	40.78
For Valve Key, Add	56.05	
32 84 23 00-0219 Anti-Siphon Pressure Type Vacuum Breaker (32 84 23 00-0207) Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0220 EA 3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	177.06	34.46
32 84 23 00-0221 EA 1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	242.51	39.40
32 84 23 00-0222 EA 1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	412.50	45.54
32 84 23 00-0223 EA 1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	500.04	50.47
32 84 23 00-0224 EA 2" Anti-Siphon Pressure Type Vacuum Breaker	514.77	61.55
32 84 23 00-0225 Irrigation Piping (32 84 23)		
32 84 23 00-0226 LF 3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	3.24	1.42
For >1,000, Deduct	-0.16	
32 84 23 00-0227 LF 1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	3.89	1.70
For >1,000, Deduct	-0.19	
32 84 23 00-0228 LF 1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	5.41	2.15
For >1,000, Deduct	-0.27	
32 84 23 00-0229 LF 2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	6.94	2.69
For >1,000, Deduct	-0.35	
32 84 23 00-0230 LF 2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	8.73	3.15
For >1,000, Deduct	-0.44	
32 84 23 00-0231 Irrigation Swing Joints (32 84 23)		

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

32 84 23 00-0232	EA		3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	48.73	22.55
32 84 23 00-0233	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	55.05	25.17
32 84 23 00-0234	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS)	66.98	25.17

32 84 23 00-0235 Irrigation Control Wire (32 84 23)
 Note: Excludes excavation and backfill.

32 84 23 00-0236 18 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0235)

32 84 23 00-0237	CLF		1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	45.30	16.99
32 84 23 00-0238	CLF		2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	57.24	19.82
32 84 23 00-0239	CLF		3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	65.73	22.66
32 84 23 00-0240	CLF		4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	74.85	25.49
32 84 23 00-0241	CLF		5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	84.60	28.33
32 84 23 00-0242	CLF		6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	98.76	31.16
32 84 23 00-0243	CLF		7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	112.41	33.99
32 84 23 00-0244	CLF		8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	122.05	36.83
32 84 23 00-0245	CLF		9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	133.34	39.65
32 84 23 00-0246	CLF		10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	145.93	42.48
32 84 23 00-0247	CLF		11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	152.20	45.32
32 84 23 00-0248	CLF		12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	159.12	48.15
32 84 23 00-0249	CLF		13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	168.05	50.98

32 84 23 00-0250 16 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0235)

32 84 23 00-0251	CLF		1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	46.97	16.99
------------------	-----	--	--	-------	-------

32 84 23 00-0252 14 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0235)

32 84 23 00-0253	CLF		1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	46.97	16.99
------------------	-----	--	--	-------	-------

32 84 23 00-0254 12 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0235)

32 84 23 00-0255	CLF		1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	58.02	16.99
------------------	-----	--	--	-------	-------

32 84 23 00-0256 10 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0235)

32 84 23 00-0257	CLF		1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	72.01	16.99
------------------	-----	--	--	-------	-------

32 84 23 00-0258 Root Watering Systems (32 84 23)

Note: Includes swing assembly.

32 84 23 00-0259	EA		0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401).....	73.77	22.66
			<i>For Root Watering Sand Sock, Add</i>	0.86	
32 84 23 00-0260	EA		0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	77.72	22.66
			<i>For Root Watering Sand Sock, Add</i>	0.86	
32 84 23 00-0261	EA		0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402).....	73.77	22.66
			<i>For Root Watering Sand Sock, Add</i>	0.86	
32 84 23 00-0262	EA		0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	77.72	22.66
			<i>For Root Watering Sand Sock, Add</i>	0.86	
32 84 23 00-0263	EA		1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	77.72	22.66
			<i>For Root Watering Sand Sock, Add</i>	0.86	
32 84 23 00-0264	EA		0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	64.19	19.82
			<i>For Root Watering Sand Sock, Add</i>	0.86	
32 84 23 00-0265	EA		0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	67.97	19.82
			<i>For Root Watering Sand Sock, Add</i>	0.86	
32 84 23 00-0266	EA		0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	64.19	19.82
			<i>For Root Watering Sand Sock, Add</i>	0.86	
32 84 23 00-0267	EA		0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	67.97	19.82
			<i>For Root Watering Sand Sock, Add</i>	0.86	
32 84 23 00-0268	EA		0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	47.04	16.99
			<i>For Root Watering Sand Sock, Add</i>	0.86	
32 84 23 00-0269	EA		0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401).....	50.65	16.99
			<i>For Root Watering Sand Sock, Add</i>	0.86	

32 90 Planting (32)

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation (32 90)

32 91 13 Soil Preparation (32 91)

32 91 13 16 Mulching (32 91 13)

32 91 13 16-0001 Mulch (32 91 13 16)

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 91 13 16-0002	CY	Pea Gravel Mulch	116.94	
		For >5 To 20, Deduct	-9.74	
		For >20 To 50, Deduct	-14.61	
		For >50, Deduct	-20.46	
32 91 13 16-0003	CY	Stone/Gravel Mulch, Marble Chips	227.28	
		For >5 To 20, Deduct	-15.26	
		For >20 To 50, Deduct	-22.88	
		For >50, Deduct	-34.25	
32 91 13 16-0004	CY	Stone Mulch, Decomposed Granite Chips	107.87	
		For >5 To 20, Deduct	-9.29	
		For >20 To 50, Deduct	-13.93	
		For >50, Deduct	-19.32	
32 91 13 16-0005	CY	Pine Bark Nugget Mulch	98.99	
		For >5 To 20, Deduct	-8.84	
		For >20 To 50, Deduct	-13.26	
		For >50, Deduct	-18.21	
32 91 13 16-0006	CY	Hardwood Bark Nugget Mulch	98.15	
		For >5 To 20, Deduct	-8.80	
		For >20 To 50, Deduct	-13.20	
		For >50, Deduct	-18.11	
32 91 13 16-0007	CY	Pine Wood Chip Mulch	96.45	
		For >5 To 20, Deduct	-8.71	
		For >20 To 50, Deduct	-13.07	
		For >50, Deduct	-17.89	
32 91 13 16-0008	CY	Hardwood Chip Mulch.....	99.84	
		For >5 To 20, Deduct	-8.88	
		For >20 To 50, Deduct	-13.33	
		For >50, Deduct	-18.32	
32 91 13 16-0009	CY	Shredded Hardwood Mulch	99.84	
		For >5 To 20, Deduct	-8.88	
		For >20 To 50, Deduct	-13.33	
		For >50, Deduct	-18.32	
32 91 13 16-0010	CY	Shredded Pine Mulch.....	92.22	
		For >5 To 20, Deduct	-8.50	
		For >20 To 50, Deduct	-12.75	
		For >50, Deduct	-17.37	
32 91 13 16-0011	CY	Shredded Cedar Mulch	108.72	
		For >5 To 20, Deduct	-9.33	
		For >20 To 50, Deduct	-13.99	
		For >50, Deduct	-19.43	
32 91 13 16-0012	CY	Shredded Cypress Mulch.....	107.45	
		For >5 To 20, Deduct	-9.26	
		For >20 To 50, Deduct	-13.90	
		For >50, Deduct	-19.27	
32 91 13 16-0013	CY	Shredded Redwood Mulch.....	110.84	
		For >5 To 20, Deduct	-9.43	
		For >20 To 50, Deduct	-14.15	
		For >50, Deduct	-19.69	
32 91 13 16-0014	CY	Chunk Recycled Tire Mulch	159.08	
		For >5 To 20, Deduct	-12.95	
		For >20 To 50, Deduct	-19.42	
		For >50, Deduct	-27.37	
32 91 13 16-0015	CY	Chunk Colored Recycled Tire Mulch.....	217.46	
		For >5 To 20, Deduct	-15.87	
		For >20 To 50, Deduct	-23.80	
		For >50, Deduct	-34.67	
32 91 13 16-0016	CY	Shredded Recycled Tire Mulch.....	218.30	
		For >5 To 20, Deduct	-15.91	
		For >20 To 50, Deduct	-23.86	
		For >50, Deduct	-34.78	
32 91 13 16-0017	CY	Shredded Colored Recycled Tire Mulch	335.07	
		For >5 To 20, Deduct	-21.75	
		For >20 To 50, Deduct	-32.62	
		For >50, Deduct	-49.37	
32 91 13 16-0018	EA	Pine Straw Mulch Bale.....	7.34	
		Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
		For >100 To 250, Deduct	-0.59	
		For >250 To 500, Deduct	-0.81	
		For >500, Deduct	-0.95	
32 91 13 16-0019	EA	Wheat Straw Mulch Bale.....	6.77	
		Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
		For >100 To 250, Deduct	-0.50	
		For >250 To 500, Deduct	-0.67	
		For >500, Deduct	-0.84	

32 91 13 26 Planting Beds (32 91 13)

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001		Plant Bed Preparation (32 91 13 26)		
		Note: Not for use when installing trees and shrubs.		
32 91 13 26-0002	SF	Prepare And Mix Plant Bed, Up To 8" Deep By Machine.....	1.23	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
32 91 13 26-0003	SF	Prepare And Mix Plant Bed, 9" To 13" Deep By Machine.....	1.41	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
32 91 13 26-0004	SF	Prepare And Mix Plant Bed, 14" To 18" Deep By Machine.....	1.65	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		

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

32 91	13 26-0005	SF	Prepare And Mix Plant Bed By Hand, Up To 8" Deep Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	5.91	
32 91	13 26-0006	SF	Prepare And Mix Plant Bed By Hand, 9" To 13" Deep..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	6.79	
32 91	13 26-0007	SF	Prepare And Mix Plant Bed By Hand, 14" To 18" Deep..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	7.99	

32 91 13 26-0008 Planting Pit Preparation (32 91 13 26)

Note: Not for use when installing trees and shrubs.

32 91	13 26-0009	CY	Excavate Planting Pit By Hand, Sandy Soil Note: For use with existing planting pits.	102.25	
32 91	13 26-0010	CY	Excavate Planting Pit By Hand, Heavy Soil Note: For use with existing planting pits.	204.49	
32 91	13 26-0011	CY	Excavate Planting Pit By Machine, Sandy Soil Note: For use with existing planting pits.	14.34	
32 91	13 26-0012	CY	Excavate Planting Pit By Machine, Heavy Soil Note: For use with existing planting pits.	18.64	
32 91	13 26-0013	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile	90.85	
32 91	13 26-0014	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix	106.53	
32 91	13 26-0015	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile	8.30	
32 91	13 26-0016	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix	45.25	

32 91 13 26-0017 Weed Barrier (32 91 13 26)

32 91	13 26-0018	SY	Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier	1.73	
32 91	13 26-0019	SY	4 Oz/SY Woven, Polypropylene Weed Barrier.....	2.20	
32 91	13 26-0020	SY	5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier	2.41	

32 91 13 33 Soil Conditioners (32 91 13)

32 91 13 33-0001 Spread Soil Conditioners (32 91 13 33)

32 91	13 33-0002	SY	Aluminum Sulfate 1 LB/SY, Push Spreader.....	0.20	
32 91	13 33-0003	MSF	Aluminum Sulfate 1 LB/SY, Tractor Spreader.....	15.74	
32 91	13 33-0004	SY	Fertilizer, 0.2 LB/SY, Push Spreader	0.06	
32 91	13 33-0005	MSF	Fertilizer, 0.2 LB/SY, Tractor Spread.....	2.08	
32 91	13 33-0006	MSF	Fertilizer, 18.36 LB/MSF, Truck Spread.....	4.32	
32 91	13 33-0007	SY	Pelletized Lime, 1 LB/SY, Push Spreader	0.08	
32 91	13 33-0008	MSF	Pelletized Lime, 1 LB/SY, Tractor Spreader	3.78	
32 91	13 33-0009	SY	Perlite, 1" Deep, Push Spreader.....	1.38	
32 91	13 33-0010	MSF	Perlite, 1" Deep, Tractor Spreader.....	140.45	
32 91	13 33-0011	SY	Vermiculite, Push Spreader.....	1.29	
32 91	13 33-0012	MSF	Vermiculite, Tractor Spreader.....	137.22	

32 91 13 36 Lawn Bed Preparation (32 91 13)

32 91 13 36-0001 Lawn Bed Preparation (32 91 13 36)

32 91	13 36-0002	MSF	Rake Topsoil With Machine	91.67	
32 91	13 36-0003	MSF	Rake Topsoil By Hand.....	81.79	
32 91	13 36-0004	MSF	Screen Loam By Hand.....	54.53	
32 91	13 36-0005	SY	Roll Topsoil With Machine	1.15	
32 91	13 36-0006	SY	Roll Topsoil By Hand	3.65	
32 91	13 36-0007	MSF	Removal Of Rocks And Debris With Machine.....	10.84	
32 91	13 36-0008	MSF	Root Raking And Loading, No Boulders	56.73	
32 91	13 36-0009	MSF	Root Raking And Loading, With Boulders.....	94.55	
32 91	13 36-0010	MSF	Up To 6" Deep Tilling Topsoil With Tractor.....	4.96	
32 91	13 36-0011	MSF	>6" To 12" Deep Tilling Topsoil With Tractor	10.06	
32 91	13 36-0012	SY	Up To 2" Deep Tilling Topsoil With Rototiller.....	0.86	
32 91	13 36-0013	SY	>2" To 4" Deep Tilling Topsoil With Rototiller	1.04	
32 91	13 36-0014	SY	>4" To 6" Deep Tilling Topsoil With Rototiller	1.30	
32 91	13 36-0015	LF	"V" Cut Soil For Edge Of Planting Beds.....	1.44	
32 91	13 36-0016	MSF	Removal Of Rocks And Debris By Hand	35.03	

32 91 13 36-0017 Sod Removal (32 91 13 36)

32 91	13 36-0018	SY	Removal Of Sod By Hand.....	6.89	
32 91	13 36-0019	SY	Removal Of Sod With Machine.....	0.67	
32 91	13 36-0020	SY	Pile Sod By Hand.....	4.09	
32 91	13 36-0021	SY	Pile Sod With Machine.....	1.26	

32 91 19 Landscape Grading (32 91)

32 91 19 13 Topsoil Placement And Grading (32 91 19)

32 91 19 13-0001 Remove And Stockpile Topsoil On Site (32 91 19 13)

32 91	19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	4.66	
32 91	19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	4.61	

32 91 19 13-0004 Screening Topsoil (32 91 19 13)

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 19 13-0005	CY		Screen Topsoil With Vibrating Screen, Wet Material (Organic).....	10.35	
32 91 19 13-0006	CY		Screen Topsoil With Vibrating Screen, Dry Material	6.90	
32 91 19 13-0007			Spreading Topsoil From Stockpile (32 91 19 13)		
32 91 19 13-0008	CY		Spread Topsoil By Machine From Stockpile	8.43	
32 91 19 13-0009	CY		Spread Topsoil By Hand From Stockpile	78.04	
32 91 19 13-0010			Furnish And Place Imported Screened Topsoil (32 91 19 13)		
			Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.		
32 91 19 13-0011	SY		Furnish And Place Imported Screened Topsoil, 2" Deep	2.96	
			<i>For Unscreened, Deduct</i>	-0.28	
32 91 19 13-0012	SY		Furnish And Place Imported Screened Topsoil, 4" Deep	5.60	
			<i>For Unscreened, Deduct</i>	-0.56	
32 91 19 13-0013	SY		Furnish And Place Imported Screened Topsoil, 6" Deep	8.00	
			<i>For Unscreened, Deduct</i>	-0.83	
32 91 19 13-0014	SY		Furnish And Place Imported Screened Topsoil, 9" Deep	11.39	
			<i>For Unscreened, Deduct</i>	-1.25	
32 91 19 13-0015	SY		Furnish And Place Imported Screened Topsoil, 12" Deep	14.78	
			<i>For Unscreened, Deduct</i>	-1.67	
32 91 19 13-0016	CY		Furnish And Place Imported Screened Topsoil, Over 12" Deep	39.45	
			<i>For Unscreened, Deduct</i>	-5.00	
32 91 19 16			Scarify Soil (32 91 19)		
32 91 19 16-0001			Scarify Soil For Planting Preparation (32 91 19 16)		
			Note: Ripped in multiple directions with 3" maximum clods.		
32 91 19 16-0002	MSF		Up To 5,000 SF Scarify Up To 8" Soil With Machine	67.06	
32 91 19 16-0003	MSF		>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine.....	46.93	
32 91 19 16-0004	MSF		>20,000 SF Scarify Up To 8" Soil With Machine.....	27.31	
32 92			Turf And Grasses (32 90)		
32 92 19			Seeding (32 92)		
32 92 19 13			Mechanical Seeding (32 92 19)		
			Note: Includes fertilizing, liming, mixing, seeding and initial watering.		
32 92 19 13-0001			Tractor Spreader Mechanical Seeding (32 92 19 13)		
			Note: Excludes straw.		
32 92 19 13-0002	MSF		Common Bluegrass, Tractor Spreader	36.88	
			Note: 4 LB/MSF spread rate.		
32 92 19 13-0003	MSF		Tall Fescue, Tractor Spreader	36.41	
			Note: 5.5 LB/MSF spread rate.		
32 92 19 13-0004	MSF		Rye, Tractor Spreader	37.10	
			Note: 10 LB/MSF spread rate.		
32 92 19 13-0005	MSF		Shade Mix, Tractor Spreader.....	40.63	
			Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
32 92 19 13-0006	MSF		Turf Mix, Tractor Spreader.....	43.17	
			Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
32 92 19 13-0007	MSF		Slope Mix, Tractor Spreader	39.79	
			Note: 6 LB/MSF spread rate.		
32 92 19 13-0008	MSF		Utility Mix, Tractor Spreader	35.57	
			Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
32 92 19 13-0009	MSF		Wild Flower Mix, Tractor Spreader.....	27.61	
			Note: 0.10 LB/MSF spread rate.		
32 92 19 13-0010	MSF		Crown Vetch Mix, Tractor Spreader.....	90.52	
			Note: 4 LB/MSF spread rate.		
32 92 19 13-0011	MSF		Athletic Mix, Tractor Spreader.....	53.32	
			Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
32 92 19 13-0012	MSF		White Clover Mix, Tractor Spreader.....	27.53	
			Note: 7 LB/MSF spread rate.		
32 92 19 13-0013	MSF		Ladino Clover Mix, Tractor Spreader	30.91	
			Note: 7 LB/MSF spread rate.		
32 92 19 13-0014			Hydro Or Air Mechanical Seeding (32 92 19 13)		
32 92 19 13-0015	MSF		Common Bluegrass, Hydro Or Air Seeding	79.54	
			Note: 4 LB/MSF spread rate.		
			<i>For >45, Deduct</i>	-6.79	
			<i>For Tackifier, Add</i>	0.79	
32 92 19 13-0016	MSF		Tall Fescue, Hydro Or Air Seeding	83.09	
			Note: 5.5 LB/MSF spread rate.		
			<i>For >45, Deduct</i>	-6.97	
			<i>For Tackifier, Add</i>	0.79	
32 92 19 13-0017	MSF		Rye, Hydro Or Air Spread	79.69	
			Note: 10 LB/MSF spread rate.		
			<i>For >45, Deduct</i>	-6.80	
			<i>For Tackifier, Add</i>	0.79	
32 92 19 13-0018	MSF		Shade Mix, Hydro Or Air Seeding.....	79.54	
			Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
			<i>For >45, Deduct</i>	-6.79	
			<i>For Tackifier, Add</i>	0.79	

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

32 92 19 13-0019	MSF		Turf Mix, Hydro Or Air Seeding..... Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass. <i>For >45, Deduct</i> <i>For Tackifier, Add</i>	83.09 -6.97 0.79	
32 92 19 13-0020	MSF		Slope Mix, Hydro Or Air Seeding..... Note: 6 LB/MSF spread rate. <i>For >45, Deduct</i> <i>For Tackifier, Add</i>	81.57 -6.89 0.79	
32 92 19 13-0021	MSF		Utility Mix, Hydro Or Air Seeding..... Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass. <i>For >45, Deduct</i> <i>For Tackifier, Add</i>	80.34 -6.83 0.79	
32 92 19 13-0022	MSF		Wild Flower Mix, Hydro Or Air Seeding..... Note: 0.10 LB/MSF spread rate. <i>For >45, Deduct</i> <i>For Tackifier, Add</i>	76.39 -6.63 0.79	
32 92 19 13-0023	MSF		Crown Vetch Mix, Hydro Or Air Seeding..... Note: 4 LB/MSF spread rate. <i>For >45, Deduct</i> <i>For Tackifier, Add</i>	112.01 -8.41 0.79	
32 92 19 13-0024	MSF		Athletic Mix, Hydro Or Air Seeding..... Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass. <i>For >45, Deduct</i> <i>For Tackifier, Add</i>	100.86 -7.85 0.79	
32 92 19 13-0025	MSF		White Clover Mix, Hydro Or Air Seeding..... Note: 7 LB/MSF spread rate. <i>For >45, Deduct</i> <i>For Tackifier, Add</i>	71.58 -6.39 0.79	
32 92 19 13-0026	MSF		Ladino Clover Mix, Hydro Or Air Seeding..... Note: 7 LB/MSF spread rate. <i>For >45, Deduct</i> <i>For Tackifier, Add</i>	77.51 -6.69 0.79	
32 92 19 13-0027	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread..... Note: 4 LB/MSF spread rate. <i>For >45, Deduct</i> <i>For Tackifier, Add</i>	80.56 -6.84 0.79	
32 92 19 13-0028	MSF		2,500 LB/Acre, High Performance - Flexible Growth Medium..... Note: Applied with seed. Excludes seed. <i>For >45, Deduct</i>	83.18 -5.57	
32 92 19 13-0029	MSF		3,000 LB/Acre, High Performance - Flexible Growth Medium..... Note: Applied with seed. Excludes seed. <i>For >45, Deduct</i>	95.59 -6.26	
32 92 19 13-0030	MSF		3,500 LB/Acre, High Performance - Flexible Growth Medium..... Note: Applied with seed. Excludes seed. <i>For >45, Deduct</i>	108.10 -6.96	
32 92 19 13-0031	MSF		4,000 LB/Acre, High Performance - Flexible Growth Medium..... Note: Applied with seed. Excludes seed. <i>For >45, Deduct</i>	120.64 -7.66	
32 92 19 13-0032	MSF		4,500 LB/Acre, High Performance - Flexible Growth Medium..... Note: Applied with seed. Excludes seed. <i>For >45, Deduct</i>	133.29 -8.37	

32 92 19 19 Seeding By Hand (32 92 19)

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 19-0001			Push Spreader Or Hand Seeding (32 92 19 19) Note: Excludes straw.		
32 92 19 19-0002	MSF		Common Bluegrass, Push Spreader Or Hand..... Note: 4 LB/MSF spread rate. <i>For >5 To 20, Deduct</i> <i>For >20 To 45, Deduct</i> <i>For >45, Deduct</i>	116.24 -8.37 -16.39 -26.96	
32 92 19 19-0003	MSF		Tall Fescue, Push Spreader Or Hand..... Note: 5.5 LB/MSF spread rate. <i>For >5 To 20, Deduct</i> <i>For >20 To 45, Deduct</i> <i>For >45, Deduct</i>	115.77 -8.34 -16.35 -26.91	
32 92 19 19-0004	MSF		Rye, Push Spreader Or Hand..... Note: 10 LB/MSF spread rate. <i>For >5 To 20, Deduct</i> <i>For >20 To 45, Deduct</i> <i>For >45, Deduct</i>	116.46 -8.38 -16.40 -26.98	
32 92 19 19-0005	MSF		Shade Mix, Push Spreader Or Hand..... Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass. <i>For >5 To 20, Deduct</i> <i>For >20 To 45, Deduct</i> <i>For >45, Deduct</i>	119.99 -8.56 -16.67 -27.34	
32 92 19 19-0006	MSF		Turf Mix, Push Spreader Or Hand..... Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass. <i>For >5 To 20, Deduct</i> <i>For >20 To 45, Deduct</i> <i>For >45, Deduct</i>	122.53 -8.68 -16.86 -27.59	
32 92 19 19-0007	MSF		Slope Mix, Push Spreader Or Hand..... Note: 6 LB/MSF spread rate. <i>For >5 To 20, Deduct</i> <i>For >20 To 45, Deduct</i> <i>For >45, Deduct</i>	119.15 -8.51 -16.60 -27.25	

32 Exterior Improvements**32 90 Planting****32 92 Turf And Grasses**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 92 19 19-0008	MSF Utility Mix, Push Spreader Or Hand	114.93	
	Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
	For >5 To 20, Deduct	-8.30	
	For >20 To 45, Deduct	-16.29	
	For >45, Deduct	-26.83	
32 92 19 19-0009	MSF Wild Flower Mix, Push Spreader Or Hand	106.97	
	Note: 0.10 LB/MSF spread rate.		
	For >5 To 20, Deduct	-7.90	
	For >20 To 45, Deduct	-15.69	
	For >45, Deduct	-26.03	
32 92 19 19-0010	MSF Crown Vetch Mix, Push Spreader Or Hand	169.88	
	Note: 4 LB/MSF spread rate.		
	For >5 To 20, Deduct	-11.05	
	For >20 To 45, Deduct	-20.41	
	For >45, Deduct	-32.32	
32 92 19 19-0011	MSF Athletic Mix, Push Spreader Or Hand	132.68	
	Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
	For >5 To 20, Deduct	-9.19	
	For >20 To 45, Deduct	-17.62	
	For >45, Deduct	-28.60	
32 92 19 19-0012	MSF White Clover Mix, Push Spreader Or Hand	106.89	
	Note: 7 LB/MSF spread rate.		
	For >5 To 20, Deduct	-7.90	
	For >20 To 45, Deduct	-15.68	
	For >45, Deduct	-26.03	
32 92 19 19-0013	MSF Ladino Clover Mix, Push Spreader Or Hand	110.27	
	Note: 7 LB/MSF spread rate.		
	For >5 To 20, Deduct	-8.07	
	For >20 To 45, Deduct	-15.94	
	For >45, Deduct	-26.36	
32 92 19 19-0014	MSF 100% Kentucky Bluegrass, Push Spreader Or Hand	117.20	
	Note: 3.3 LB/MSF spread rate.		
	For >5 To 20, Deduct	-8.42	
	For >20 To 45, Deduct	-16.46	
	For >45, Deduct	-27.06	
32 92 19 19-0015	MSF 70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand	114.41	
	Note: 3.3 LB/MSF spread rate.		
	For >5 To 20, Deduct	-8.28	
	For >20 To 45, Deduct	-16.25	
	For >45, Deduct	-26.78	
32 92 19 19-0016	MSF 50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand	112.39	
	Note: 3.3 LB/MSF spread rate.		
	For >5 To 20, Deduct	-8.18	
	For >20 To 45, Deduct	-16.10	
	For >45, Deduct	-26.58	
32 92 19 19-0017	MSF 50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand	116.44	
	Note: 4.4 LB/MSF spread rate.		
	For >5 To 20, Deduct	-8.38	
	For >20 To 45, Deduct	-16.40	
	For >45, Deduct	-26.98	
32 92 19 19-0018	MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand	113.40	
	Note: 3.3 LB/MSF spread rate.		
	For >5 To 20, Deduct	-8.23	
	For >20 To 45, Deduct	-16.17	
	For >45, Deduct	-26.68	
32 92 19 19-0019	MSF 40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand	122.53	
	Note: 3.3 LB/MSF spread rate.		
	For >5 To 20, Deduct	-8.68	
	For >20 To 45, Deduct	-16.86	
	For >45, Deduct	-27.59	

32 92 23 Sodding (32 92)

Note: Includes raking preparation, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering.

32 92 23 00-0001 Tall Fescue Sod (32 92 23)

32 92 23 00-0002	MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	2,299.36	
	For Hybrid Fescue "Marathon", Add	150.16	
32 92 23 00-0003	MSF >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	1,875.82	
	For Hybrid Fescue "Marathon", Add	112.79	
32 92 23 00-0004	MSF >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,582.12	
	For Hybrid Fescue "Marathon", Add	94.10	
32 92 23 00-0005	MSF >8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,352.54	
	For Hybrid Fescue "Marathon", Add	75.42	
32 92 23 00-0006	MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,698.26	
	For Hybrid Fescue "Marathon", Add	150.16	
32 92 23 00-0007	MSF >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,215.79	
	For Hybrid Fescue "Marathon", Add	112.79	
32 92 23 00-0008	MSF >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,816.67	
	For Hybrid Fescue "Marathon", Add	94.10	
32 92 23 00-0009	MSF >8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,551.99	
	For Hybrid Fescue "Marathon", Add	75.42	

32 92 23 00-0010 Kentucky Blue Grass Sod (32 92 23)

32 92 23 00-0011	MSF Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,497.58	
32 92 23 00-0012	MSF >1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,274.48	

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

32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,081.01		
32 92 23 00-0014	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	951.65		
32 92 23 00-0015	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,896.48		
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,614.45		
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,315.56		
32 92 23 00-0018	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,151.10		

32 93 Plants (32 90)

32 93 13 Ground Covers (32 93)

See CSI section 32 93 53 00-0057 for installation and planting of ground cover.

32 93 13 00-0001 Ornamental Grasses (32 93 13)

32 93 13 00-0002	EA	1 Gallon Cortaderia selloana - Pampas Grass.....	7.20		
32 93 13 00-0003	EA	2 Gallon Cortaderia selloana - Pampas Grass.....	8.78		
32 93 13 00-0004	EA	3 Gallon Cortaderia selloana - Pampas Grass.....	10.35		
32 93 13 00-0005	EA	10 Gallon Cortaderia selloana - Pampas Grass.....	39.75		
32 93 13 00-0006	EA	1 Quart Imperata cylindrica - Japanese Blood Grass	4.43		
32 93 13 00-0007	EA	1 Gallon Imperata cylindrica - Japanese Blood Grass	6.38		
32 93 13 00-0008	EA	2 Gallon Imperata cylindrica - Japanese Blood Grass	8.78		
32 93 13 00-0009	EA	1 Quart Koeleria glauca - Blue Hair Grass	3.15		
32 93 13 00-0010	EA	1 Gallon Koeleria glauca - Blue Hair Grass	5.63		
32 93 13 00-0011	EA	3 Gallon Koeleria glauca - Blue Hair Grass	10.35		
32 93 13 00-0012	EA	1 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	8.78		
32 93 13 00-0013	EA	3 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	15.15		
32 93 13 00-0014	EA	5 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	19.95		
32 93 13 00-0015	EA	1 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	8.78		
32 93 13 00-0016	EA	3 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	15.15		
32 93 13 00-0017	EA	5 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	19.95		
32 93 13 00-0018	EA	1 Quart Pennisetum setaceum - Fountain Grass.....	3.53		
32 93 13 00-0019	EA	1 Gallon Pennisetum setaceum - Fountain Grass	5.63		
32 93 13 00-0020	EA	3 Gallon Pennisetum setaceum - Fountain Grass	10.35		
32 93 13 00-0021	EA	1 Gallon Saccharum ravennae - Ravenna Grass	7.20		
32 93 13 00-0022	EA	3 Gallon Saccharum ravennae - Ravenna Grass	10.35		
32 93 13 00-0023	EA	7 Gallon Saccharum ravennae - Ravenna Grass	19.95		
32 93 13 00-0024	EA	1 Gallon Spartina pectinata - Variegated Cord Grass.....	6.38		
32 93 13 00-0025	EA	2 Gallon Spartina pectinata - Variegated Cord Grass.....	10.35		
32 93 13 00-0026	EA	1 Quart Stipa gigantea - Giant Feather Grass	7.95		
32 93 13 00-0027	EA	1 Gallon Stipa gigantea - Giant Feather Grass.....	12.00		

32 93 13 00-0028 Ground Covers (32 93 13)

32 93 13 00-0029	EA	1 Quart Baccharis Pilularis - Dwarf Coyote Bush.....	2.25		
32 93 13 00-0030	EA	1 Gallon Baccharis Pilularis - Dwarf Coyote Bush	3.90		
32 93 13 00-0031	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge.....	7.95		
32 93 13 00-0032	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	10.35		
32 93 13 00-0033	EA	1 Gallon Acrostichum danaeifolium - Leather Fern.....	7.87		
32 93 13 00-0034	EA	5 Gallon Acrostichum danaeifolium - Leather Fern.....	13.49		
32 93 13 00-0035	EA	10 Gallon Acrostichum danaeifolium - Leather Fern.....	67.44		
32 93 13 00-0036	EA	6" Aechmea - Bromeliad.....	16.86		
32 93 13 00-0037	EA	8" Aechmea - Bromeliad.....	28.10		
32 93 13 00-0038	EA	10" Aechmea - Bromeliad.....	56.20		
32 93 13 00-0039	EA	10" Full Aglaonema.....	17.98		
32 93 13 00-0040	EA	Cell Pack Size Apapanthus africanus - Lily Of The Nile	0.79		
32 93 13 00-0041	EA	1 Gallon Apapanthus africanus - Lily Of The Nile	4.50		
32 93 13 00-0042	EA	3 Gallon Apapanthus africanus - Lily Of The Nile	13.49		
32 93 13 00-0043	EA	1 Gallon Aptenia cordifolia - Baby Sun Rose.....	3.37		
32 93 13 00-0044	EA	4" Arachis glabrata - Ecoturf.....	3.37		
32 93 13 00-0045	EA	1 Gallon Arachis glabrata - Ecoturf.....	5.62		
32 93 13 00-0046	EA	1 Gallon Aristida stricta - Wiregrass.....	3.37		
32 93 13 00-0047	EA	2" Aristida stricta - Wiregrass.....	2.59		
32 93 13 00-0048	EA	Cell Pack Size Asparagus densiflorus 'Myers' - Foxtail	1.12		
32 93 13 00-0049	EA	10" Asparagus densiflorus 'Myers' - Foxtail	16.86		
32 93 13 00-0050	EA	1 Gallon Asparagus densiflorus 'Myers' - Foxtail	5.62		
32 93 13 00-0051	EA	2 Gallon Asparagus densiflorus 'Myers' - Foxtail	6.74		
32 93 13 00-0052	EA	3 Gallon Asparagus densiflorus 'Myers' - Foxtail	8.99		
32 93 13 00-0053	EA	1 Gallon Aspidistra elatior - Cast Iron Plant.....	5.62		
32 93 13 00-0054	EA	3 Gallon Aspidistra elatior - Cast Iron Plant.....	19.11		
32 93 13 00-0055	EA	7 Gallon Aspidistra elatior - Cast Iron Plant.....	26.98		
32 93 13 00-0056	EA	3 Gallon Baccharis halimicolia - Salt Bush.....	13.49		
32 93 13 00-0057	EA	4" Begonia	0.79		
32 93 13 00-0058	EA	1 Gallon Begonia	6.74		
32 93 13 00-0059	EA	3 Gallon Begonia	16.86		
32 93 13 00-0060	EA	1 Gallon Borrichia arborescens - Sea Oxeye Daisy.....	4.50		
32 93 13 00-0061	EA	1 Gallon Borrichia frutescens - Silver Sea Oxeye	4.50		
32 93 13 00-0062	EA	3 Gallon Borrichia frutescens - Silver Sea Oxeye	11.80		
32 93 13 00-0063	EA	6" Bromeliad	14.61		
32 93 13 00-0064	EA	3 Gallon Bromeliad	22.48		
32 93 13 00-0065	EA	4-1/2" Centaurea cineraria - Dusty Miller	1.57		
32 93 13 00-0066	EA	1 Gallon Centaurea cineraria - Dusty Miller	2.81		
32 93 13 00-0067	EA	4" Coleus hybridus - Coleus	0.79		
32 93 13 00-0068	EA	3 Gallon Coleus hybridus - Coleus	10.12		
32 93 13 00-0069	EA	8" Top Cuphea hyssopifolia - False/Mexican Heather.....	14.61		
32 93 13 00-0070	EA	1 Gallon Cuphea hyssopifolia - False/Mexican Heather	2.25		
32 93 13 00-0071	EA	3 Gallon Cyathea cooperi - Australian Tree Fern.....	15.74		

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 13 00-0072	EA	7 Gallon Cyathea cooperi - Australian Tree Fern.....	56.20	
32 93 13 00-0073	EA	15 Gallon Cyathea cooperi - Australian Tree Fern.....	134.88	
32 93 13 00-0074	EA	25 Gallon Cyathea cooperi - Australian Tree Fern.....	281.00	
32 93 13 00-0075	EA	3 Gallon Cyperus alternifolius - Umbrella Sedge.....	16.86	
32 93 13 00-0076	EA	1 Gallon Cyrtomium falcatum - Holly Fern.....	5.06	
32 93 13 00-0077	EA	3 Gallon Cyrtomium falcatum - Holly Fern.....	12.36	
32 93 13 00-0078	EA	1 Gallon Dietes bicolor - Yellow/White African Iris.....	3.60	
32 93 13 00-0079	EA	3 Gallon Dietes bicolor - Yellow/White African Iris.....	13.49	
32 93 13 00-0080	EA	4" Dietes iridioides - White African Iris.....	2.14	
32 93 13 00-0081	EA	6" Dietes iridioides - White African Iris.....	4.38	
32 93 13 00-0082	EA	1 Gallon Dietes iridioides - White African Iris.....	3.60	
32 93 13 00-0083	EA	3 Gallon Dietes iridioides - White African Iris.....	13.49	
32 93 13 00-0084	EA	1 Gallon Dietes vegeta - White African Iris.....	4.50	
32 93 13 00-0085	EA	Bare Root Eleocharis baldwinii - Slender Spikerush.....	0.79	
32 93 13 00-0086	EA	Bare Root Eleocharis cellulosa - Coastal Spikerush.....	0.56	
32 93 13 00-0087	EA	Bare Root Eleocharis intersti - Jointed Spikerush.....	0.56	
32 93 13 00-0088	EA	Bare Root Eleocharis spp - Spikerush.....	0.56	
32 93 13 00-0089	EA	4" Epipremnum - Golden Pothos.....	3.37	
32 93 13 00-0090	EA	8" Epipremnum - Golden Pothos.....	5.62	
32 93 13 00-0091	EA	1 Gallon Epipremnum - Golden Pothos.....	5.62	
32 93 13 00-0092	EA	1 Gallon Euphorbia milii 'Dwarf' - Dwarf Crown Of Thorn.....	5.62	
32 93 13 00-0093	EA	3 Gallon Euphorbia milii 'Dwarf' - Dwarf Crown Of Thorn.....	10.12	
32 93 13 00-0094	EA	4-1/2" Evolvulus glomeratus - Blue Daze.....	2.25	
32 93 13 00-0095	EA	6" Evolvulus glomeratus - Blue Daze.....	10.12	
32 93 13 00-0096	EA	10" Ficus pumila - Creeping Fig.....	11.24	
32 93 13 00-0097	EA	1 Gallon Ficus pumila - Creeping Fig.....	3.93	
32 93 13 00-0098	EA	3 Gallon Ficus pumila - Creeping Fig.....	16.86	
32 93 13 00-0099	EA	4" Gaillardia pulchella - Blanket Flower.....	2.59	
32 93 13 00-0100	EA	1 Gallon Gaillardia pulchella - Blanket Flower.....	3.93	
32 93 13 00-0101	EA	4-1/2" Geranium - Black Olive East.....	2.81	
32 93 13 00-0102	EA	6" Geranium - Black Olive East.....	4.16	
32 93 13 00-0103	EA	4" Helianthus debilis - Dune Sunflower.....	2.14	
32 93 13 00-0104	EA	6" Helianthus debilis - Dune Sunflower.....	3.93	
32 93 13 00-0105	EA	1 Gallon Helianthus debilis - Dune Sunflower.....	4.50	
32 93 13 00-0106	EA	1 Gallon Helianthus debilis - Beach Sunflower.....	4.50	
32 93 13 00-0107	EA	4" Helianthus debilis - Beach Sunflower.....	2.70	
32 93 13 00-0108	EA	6" Helianthus debilis - Beach Sunflower.....	3.93	
32 93 13 00-0109	EA	1 Gallon Hemerocallis spp - Day Lily.....	5.06	
32 93 13 00-0110	EA	1 Gallon Hymenocallis latifolia - Spider Lily.....	4.50	
32 93 13 00-0111	EA	3 Gallon Hymenocallis latifolia - Spider Lily.....	8.99	
32 93 13 00-0112	EA	1 Gallon Hypericum reduetium - Scrub Wort.....	6.41	
32 93 13 00-0113	EA	4" Ipomoea pes-caprae - Railroad Vine.....	2.59	
32 93 13 00-0114	EA	6" Ipomoea pes-caprae - Railroad Vine.....	3.37	
32 93 13 00-0115	EA	1 Gallon Iris hexagona savannarum - Blue Flag Iris.....	4.38	
32 93 13 00-0116	EA	Bare Root Iris virginica - Blue Flag Iris.....	0.56	
32 93 13 00-0117	EA	1 Gallon Iris virginica - Blue Flag Iris.....	5.62	
32 93 13 00-0118	EA	4" Juniperus chinensis 'Parsonii'.....	2.25	
32 93 13 00-0119	EA	1 Gallon Juniperus chinensis 'Parsonii'.....	4.27	
32 93 13 00-0120	EA	3 Gallon Juniperus chinensis 'Parsonii'.....	8.99	
32 93 13 00-0121	EA	1 Gallon Juniperus conferta - Shore Juniper.....	4.50	
32 93 13 00-0122	EA	3 Gallon Juniperus conferta - Shore Juniper.....	8.43	
32 93 13 00-0123	EA	1 Gallon Juniperus conferta - Blue Pacific.....	4.05	
32 93 13 00-0124	EA	2 Gallon Juniperus conferta - Blue Pacific.....	7.87	
32 93 13 00-0125	EA	3 Gallon Juniperus conferta - Blue Pacific.....	8.99	
32 93 13 00-0126	EA	1 Gallon Juniperus conferta 'Compacta' - Dwarf Shore Juniper.....	4.05	
32 93 13 00-0127	EA	4" Juniperus procumbens 'Nana'.....	3.03	
32 93 13 00-0128	EA	1 Gallon Juniperus procumbens 'Nana'.....	4.38	
32 93 13 00-0129	EA	2 Gallon Juniperus procumbens 'Nana'.....	7.87	
32 93 13 00-0130	EA	3 Gallon Juniperus procumbens 'Nana'.....	8.99	
32 93 13 00-0131	EA	4" Liriope.....	2.59	
32 93 13 00-0132	EA	1 Gallon Liriope.....	3.37	
32 93 13 00-0133	EA	3 Gallon Liriope.....	7.87	
32 93 13 00-0134	EA	4" Liriope muscari - Big Blue Lilyturf.....	2.47	
32 93 13 00-0135	EA	1 Gallon Liriope muscari - Big Blue Lilyturf.....	3.26	
32 93 13 00-0136	EA	1 Gallon Liriope muscari - Lilyturf.....	3.48	
32 93 13 00-0137	EA	1 Gallon Liriope 'Evergreen Giant'.....	3.93	
32 93 13 00-0138	EA	2 Gallon Liriope 'Evergreen Giant'.....	6.18	
32 93 13 00-0139	EA	3 Gallon Liriope 'Evergreen Giant'.....	11.24	
32 93 13 00-0140	EA	1 Gallon Liriope 'Variegata'.....	2.81	
32 93 13 00-0141	EA	3 Gallon Liriope 'Variegata'.....	8.99	
32 93 13 00-0142	EA	1 Gallon Microsorium scolopendrum - Wart Fern.....	2.84	
32 93 13 00-0143	EA	1 Gallon Mimosa strigillosa.....	4.50	
32 93 13 00-0144	EA	1 Gallon Muehlenbeckia axillaris - Wire Vine.....	6.29	
32 93 13 00-0145	EA	1 Gallon Nephrolepis - Swordfern/Boston Fern.....	3.37	
32 93 13 00-0146	EA	3 Gallon Nephrolepis - Swordfern/Boston Fern.....	8.99	
32 93 13 00-0147	EA	1 Gallon Nephrolepis cordifolia - Erect Swordfern.....	3.37	
32 93 13 00-0148	EA	3 Gallon Nephrolepis cordifolia - Erect Swordfern.....	11.24	
32 93 13 00-0149	EA	7 Gallon Nephrolepis cordifolia - Erect Swordfern.....	26.98	
32 93 13 00-0150	EA	1 Gallon Nephrolepis cordifolia 'Kimberly' - Kimberly Fern.....	4.13	
32 93 13 00-0151	EA	3 Gallon Nephrolepis cordifolia 'Kimberly' - Kimberly Fern.....	8.21	
32 93 13 00-0152	EA	1 Gallon Nephrolepis falcata 'Furcans' - Fishtail Fern.....	3.93	
32 93 13 00-0153	EA	3 Gallon Nephrolepis falcata 'Furcans' - Fishtail Fern.....	7.87	
32 93 13 00-0154	EA	4" Ophiopogon intermedius - Aztec Grass.....	2.14	
32 93 13 00-0155	EA	1 Gallon Ophiopogon intermedius - Aztec Grass.....	3.37	
32 93 13 00-0156	EA	1 Gallon Ophiopogon japonicus 'Nana' - Dwarf Mondo Grass.....	3.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0157	EA		4-1/2" Pentas lanceolata - Egyptian Star Cluster.....	1.46	
32 93 13 00-0158	EA		1 Gallon Pentas lanceolata - Egyptian Star Cluster.....	3.37	
32 93 13 00-0159	EA		3 Gallon Pentas lanceolata - Egyptian Star Cluster.....	11.24	
32 93 13 00-0160	EA		1 Gallon Persicaria capitatum - Jump Seed.....	5.84	
32 93 13 00-0161	EA		4-1/2" Polyodium scolopenrium - Wart Fern.....	4.50	
32 93 13 00-0162	EA		6" Polyodium scolopenrium - Wart Fern.....	5.62	
32 93 13 00-0163	EA		1 Gallon Polyodium scolopenrium - Wart Fern.....	5.62	
32 93 13 00-0164	EA		3 Gallon Polyodium scolopenrium - Wart Fern.....	13.49	
32 93 13 00-0165	EA		Bare Root Pontederia cordata - Pickerel Weed.....	0.52	
32 93 13 00-0166	EA		6" Rhoeco spathacea discolor - Dwarf Oyster Plant.....	3.93	
32 93 13 00-0167	EA		1 Gallon Rhoeco spathacea discolor - Dwarf Oyster Plant.....	3.37	
32 93 13 00-0168	EA		1 Gallon Rubus calycinoides - Emerald Carpet.....	6.63	
32 93 13 00-0169	EA		1 Gallon Rumohra adiantiform - Leatherhead Fern.....	4.50	
32 93 13 00-0170	EA		Bare Root Sagittaria latifolia - Duck Potato.....	0.79	
32 93 13 00-0171	EA		1 Gallon Sesuvium portulacastrum - Sea Purslane.....	3.60	
32 93 13 00-0172	EA		4" Setcreasea pallida - Purple Queen.....	1.01	
32 93 13 00-0173	EA		6" Setcreasea pallida - Purple Queen.....	2.25	
32 93 13 00-0174	EA		1 Gallon Setcreasea pallida - Purple Queen.....	2.81	
32 93 13 00-0175	EA		1 Gallon Stachytarpheta - Porter Weed.....	3.37	
32 93 13 00-0176	EA		3 Gallon Stachytarpheta - Porter Weed.....	7.31	
32 93 13 00-0177	EA		Bare Root Thalia geniculata - Alligator Flag.....	0.79	
32 93 13 00-0178	EA		1 Gallon Trachelospermum asiaticum - Small Leaf Asian Jasmine.....	3.93	
32 93 13 00-0179	EA		5" Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine.....	2.59	
32 93 13 00-0180	EA		1 Gallon Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine.....	4.38	
32 93 13 00-0181	EA		3 Gallon Trellis Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine.....	16.86	
32 93 13 00-0182	EA		1 Gallon Trachelospermum asiaticum 'Mini Mound' - Small Leaf Confederate Jasmine.....	5.62	
32 93 13 00-0183	EA		4" Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine.....	2.59	
32 93 13 00-0184	EA		1 Gallon Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine.....	3.37	
32 93 13 00-0185	EA		3 Gallon Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine.....	16.86	
32 93 13 00-0186	EA		1 Gallon Trachelospermum asiaticum 'Tricolor' - Tricolor Jasmine.....	3.93	
32 93 13 00-0187	EA		1 Gallon Wedelia trilobata - Wedelia.....	2.23	
32 93 13 00-0188	EA		4" Wedelia trilobata - Wedelia.....	1.69	
32 93 13 00-0189	EA		Viola floridana - Wild Violet.....	5.73	
32 93 13 00-0190	EA		4" Viola hederacea - Australian Violet.....	3.33	
32 93 13 00-0191	EA		1 Gallon Viola hederacea - Australian Violet.....	5.84	
32 93 13 00-0192	EA		6" Full Ajuga reptans - Carpet Bugleweed.....	5.06	
32 93 13 00-0193	EA		1 Gallon Ajuga reptans - Carpet Bugleweed.....	4.50	
32 93 13 00-0194	EA		2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper.....	13.10	
32 93 13 00-0195	EA		1 Quart Waldsteinia ternata - Barren Strawberry.....	2.25	
32 93 13 00-0196	EA		1 Gallon Waldsteinia ternata - Barren Strawberry.....	5.40	
32 93 13 00-0197	EA		1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	7.35	
32 93 13 00-0198	EA		2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	13.95	
32 93 13 00-0199	EA		5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	24.60	
32 93 13 00-0200	EA		1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope.....	2.52	
32 93 13 00-0201	EA		1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	4.65	
32 93 13 00-0202	EA		5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	16.35	
32 93 13 00-0203	EA		1 Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper.....	6.10	
32 93 13 00-0204	EA		4" Pot Parthenocissus tricuspidata - Boston Ivy.....	3.75	
32 93 13 00-0205	EA		1 Gallon Parthenocissus tricuspidata - Boston Ivy.....	8.55	
32 93 13 00-0206	EA		5 Gallon Parthenocissus tricuspidata - Boston Ivy.....	23.40	
32 93 13 00-0207	EA		3 Gallon Bougainvillea spectabilis - Bougainvillea.....	7.87	
32 93 13 00-0208	EA		1 Quart Iberis sempervirens - Candytuft.....	2.25	
32 93 13 00-0209	EA		1 Gallon Iberis sempervirens - Candytuft.....	5.40	
32 93 13 00-0210	EA		1 Gallon Gelsemium sempervirens - Carolina Jessamine.....	5.40	
32 93 13 00-0211	EA		5 Gallon Gelsemium sempervirens - Carolina Jessamine.....	19.50	
32 93 13 00-0212	EA		3" Pot Ajuga reptans - Carpet Bugle.....	1.35	
32 93 13 00-0213	EA		1 Quart Ajuga reptans - Carpet Bugle.....	2.25	
32 93 13 00-0214	EA		1 Gallon Ajuga reptans - Carpet Bugle.....	5.40	
32 93 13 00-0215	EA		24 Plant Flat Ajuga reptans - Carpet Bugle.....	23.25	
32 93 13 00-0216	EA		1 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	5.40	
32 93 13 00-0217	EA		5 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	23.40	
32 93 13 00-0218	EA		1 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	7.05	
32 93 13 00-0219	EA		3 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	15.60	
32 93 13 00-0220	EA		5 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	23.40	
32 93 13 00-0221	EA		1 Gallon Ranunculaceae - Clematis Varieties.....	7.75	
32 93 13 00-0222	EA		2 Gallon Ranunculaceae - Clematis Varieties.....	14.33	
32 93 13 00-0223	EA		1 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	9.75	
32 93 13 00-0224	EA		2 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	18.30	
32 93 13 00-0225	EA		5 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	30.00	
32 93 13 00-0226	EA		4" Pot Lantana camera - Common Lantana.....	1.35	
32 93 13 00-0227	EA		1 Gallon Lantana camera - Common Lantana.....	3.90	
32 93 13 00-0228	EA		1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	4.65	
32 93 13 00-0229	EA		5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	15.30	
32 93 13 00-0230	EA		2 Quart Lysimachia nummularia - Creeping Jenny.....	2.25	
32 93 13 00-0231	EA		1 Gallon Lysimachia nummularia - Creeping Jenny.....	4.35	
32 93 13 00-0232	EA		2 Quart Liriope spicata - Creeping Lilytuft.....	3.90	
32 93 13 00-0233	EA		1 Gallon Liriope spicata - Creeping Lilytuft.....	7.05	
32 93 13 00-0234	EA		5 Gallon Liriope spicata - Creeping Lilytuft.....	14.85	
32 93 13 00-0235	EA		Bare Root Liriope spicata - Creeping Liriope.....	0.98	
32 93 13 00-0236	EA		3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	1.35	
32 93 13 00-0237	EA		1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	5.40	
32 93 13 00-0238	EA		2-1/4" Pot Securigera varia - Crown Vetch.....	0.90	
32 93 13 00-0239	EA		50 Plant Flat Securigera varia - Crown Vetch.....	30.45	
32 93 13 00-0240	EA		1 Quart Senecio cineraria - Dusty Miller.....	2.25	
32 93 13 00-0241	EA		1 Gallon Senecio cineraria - Dusty Miller.....	5.40	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 13 00-0242	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	18.75	
32 93 13 00-0243	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	34.35	
32 93 13 00-0244	EA	1 Gallon Ilex cornuta - Dwarf Holly.....	4.07	
32 93 13 00-0245	EA	3 Gallon Ilex cornuta - Dwarf Holly.....	8.73	
32 93 13 00-0246	EA	3 Gallon Rhabdiolopsis umbellata 'Minor' - Dwarf Indian Hawthorn.....	8.73	
32 93 13 00-0247	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant.....	2.91	
32 93 13 00-0248	EA	2" To 3" Pot Hedera helix - English Ivy.....	1.35	
32 93 13 00-0249	EA	12" To 15" Runners Hedera helix - English Ivy.....	2.25	
32 93 13 00-0250	EA	1 Gallon Hedera helix - English Ivy.....	5.40	
32 93 13 00-0251	EA	50 Plant Flat Hedera helix - English Ivy.....	31.20	
32 93 13 00-0252	EA	4" Pot Lavandula angustifolia - English Lavender.....	1.95	
32 93 13 00-0253	EA	1 Quart Lavandula angustifolia - English Lavender.....	3.75	
32 93 13 00-0254	EA	1 Gallon Lavandula angustifolia - English Lavender.....	6.15	
32 93 13 00-0255	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	5.85	
32 93 13 00-0256	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	11.70	
32 93 13 00-0257	EA	1 Quart Arundo donax - Giant Reed.....	7.20	
32 93 13 00-0258	EA	1 Gallon Arundo donax - Giant Reed.....	10.35	
32 93 13 00-0259	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	6.15	
32 93 13 00-0260	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	11.70	
32 93 13 00-0261	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	7.95	
32 93 13 00-0262	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	12.00	
32 93 13 00-0263	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	1.35	
32 93 13 00-0264	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	6.15	
32 93 13 00-0265	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	11.70	
32 93 13 00-0266	EA	1 Gallon Hardenbergia violacea - Happy Wanderer.....	5.40	
32 93 13 00-0267	EA	5 Gallon Hardenbergia violacea - Happy Wanderer.....	18.00	
32 93 13 00-0268	EA	3 Gallon Hibiscus, Assorted Colors.....	7.03	
32 93 13 00-0269	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag.....	5.63	
32 93 13 00-0270	EA	1 Gallon Jasminum volubile - Wax Jasmine.....	2.83	
32 93 13 00-0271	EA	1 Gallon Jasminum volubile - Wax Jasmine.....	7.03	
32 93 13 00-0272	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	3.53	
32 93 13 00-0273	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	7.87	
32 93 13 00-0274	EA	1 Gallon Cissus antarctica - Kangaroo Vine.....	4.35	
32 93 13 00-0275	EA	5 Gallon Cissus antarctica - Kangaroo Vine.....	13.65	
32 93 13 00-0276	EA	1 Quart Stachys byzantina - Lamb's Ear.....	2.25	
32 93 13 00-0277	EA	1 Quart Stachys byzantina - Lamb's Ear.....	5.40	
32 93 13 00-0278	EA	1 Gallon Lantana spp. Various Colors.....	3.18	
32 93 13 00-0279	EA	1 Gallon Lantana sellowiana - Trailing Lantana.....	2.10	
32 93 13 00-0280	EA	1 Gallon Coccoloba laurifolia - Laurel-leaf Snailseed.....	4.35	
32 93 13 00-0281	EA	5 Gallon Coccoloba laurifolia - Laurel-leaf Snailseed.....	15.60	
32 93 13 00-0282	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	3.18	
32 93 13 00-0283	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	4.02	
32 93 13 00-0284	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	6.42	
32 93 13 00-0285	EA	1 Quart Moss Phlox, Creeping Phlox.....	2.25	
32 93 13 00-0286	EA	1 Gallon Moss Phlox, Creeping Phlox.....	5.40	
32 93 13 00-0287	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern.....	2.83	
32 93 13 00-0288	EA	4" Pot Ophiopogon japonicus - Mondo grass.....	1.35	
32 93 13 00-0289	EA	1 Gallon Ophiopogon japonicus - Mondo grass.....	5.40	
32 93 13 00-0290	EA	5 Gallon Ophiopogon japonicus - Mondo grass.....	12.45	
32 93 13 00-0291	EA	2' To 3' High Oregon Holly-Grape.....	6.23	
32 93 13 00-0292	EA	1 Gallon Pachysandra terminalis - Pachysandra.....	8.12	
32 93 13 00-0293	EA	2-1/4" Pot Vinca minor - Periwinkle.....	0.75	
32 93 13 00-0294	EA	4" Pot Vinca minor - Periwinkle.....	2.25	
32 93 13 00-0295	EA	Bare Root Vinca minor - Periwinkle.....	0.75	
32 93 13 00-0296	EA	1 Quart Nepeta mussinii - Persian Catmint.....	2.25	
32 93 13 00-0297	EA	1 Gallon Nepeta mussinii - Persian Catmint.....	4.65	
32 93 13 00-0298	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma.....	3.75	
32 93 13 00-0299	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma.....	13.65	
32 93 13 00-0300	EA	1 Gallon Juniperus horizontalis - Prostrate Juniper.....	6.15	
32 93 13 00-0301	EA	3 Gallon Juniperus horizontalis - Prostrate Juniper.....	13.20	
32 93 13 00-0302	EA	5 Gallon Juniperus horizontalis - Prostrate Juniper.....	19.50	
32 93 13 00-0303	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	5.36	
32 93 13 00-0304	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	13.88	
32 93 13 00-0305	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	23.25	
32 93 13 00-0306	EA	1 Gallon Tradescantia spathacea - Rhoeco Discolor "Dwarf".....	2.83	
32 93 13 00-0307	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	3.15	
32 93 13 00-0308	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	5.63	
32 93 13 00-0309	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	8.78	
32 93 13 00-0310	EA	1 Gallon Hymenocallis latifolia - Spider Lily.....	3.49	
32 93 13 00-0311	EA	3 Gallon Hymenocallis latifolia - Spider Lily.....	9.31	
32 93 13 00-0312	EA	1 Quart Hypericum perforatum - St. John's Wort.....	2.25	
32 93 13 00-0313	EA	1 Gallon Hypericum perforatum - St. John's Wort.....	5.40	
32 93 13 00-0314	EA	5 Gallon Hypericum perforatum - St. John's Wort.....	13.95	
32 93 13 00-0315	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum.....	18.98	
32 93 13 00-0316	EA	1 Gallon Campsis radicans - Trumpet Creeper.....	8.25	
32 93 13 00-0317	EA	2 Gallon Campsis radicans - Trumpet Creeper.....	12.45	
32 93 13 00-0318	EA	5 Gallon Campsis radicans - Trumpet Creeper.....	30.00	
32 93 13 00-0319	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle.....	0.75	
32 93 13 00-0320	EA	4" Pot Vinca major - Variegated Greater Periwinkle.....	2.25	
32 93 13 00-0321	EA	Bare Root Vinca major - Variegated Greater Periwinkle.....	0.75	
32 93 13 00-0322	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge.....	4.05	
32 93 13 00-0323	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge.....	5.63	
32 93 13 00-0324	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge.....	8.78	
32 93 13 00-0325	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf.....	6.15	
32 93 13 00-0326	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena.....	2.85	

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

32 93 13 00-0327	EA	1	Gallon Verbena peruviana "St. Paul" - St. Paul Verbena.....	4.35	
32 93 13 00-0328	EA	48	Plant Flat Vinca minor - Lesser Periwinkle.....	26.73	
32 93 13 00-0329	EA	3"	Pot Parthenocissus quinquefolia - Virginia Creeper.....	1.35	
32 93 13 00-0330	EA	1	Gallon Parthenocissus quinquefolia - Virginia Creeper.....	7.05	
32 93 13 00-0331	EA	1	Gallon Jasminum polyanthum - Winter Jasmine.....	5.40	
32 93 13 00-0332	EA	2	Gallon Jasminum polyanthum - Winter Jasmine.....	10.80	
32 93 13 00-0333	EA	5	Gallon Jasminum polyanthum - Winter Jasmine.....	18.75	
32 93 13 00-0334	EA	1	Gallon Cistaceae - Wrinkleleaf Rock Rose.....	4.35	
32 93 13 00-0335	EA	5	Gallon Cistaceae - Wrinkleleaf Rock Rose.....	14.85	

32 93 23 Plants And Bulbs (32 93)

See CSI section 32 93 53 00-0057 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials (32 93 23)

32 93 23 00-0002	EA	2	Quart Assorted Daylilies.....	4.35	
32 93 23 00-0003	EA	1	Gallon Assorted Daylilies.....	6.15	
32 93 23 00-0004	EA	2	Gallon Assorted Daylilies.....	10.20	
32 93 23 00-0005	EA	1	Quart Azure Penstemon.....	2.25	
32 93 23 00-0006	EA	1	Gallon Azure Penstemon.....	5.62	
32 93 23 00-0007	EA	1	Quart Balloon Flower.....	2.25	
32 93 23 00-0008	EA	1	Gallon Balloon Flower.....	5.62	
32 93 23 00-0009	EA	1	Quart Black-eyed Susan.....	2.25	
32 93 23 00-0010	EA	1	Gallon Black-eyed Susan.....	5.62	
32 93 23 00-0011	EA	2	Gallon Black-eyed Susan.....	7.28	
32 93 23 00-0012	EA	1	Quart Blackberry Lily.....	2.25	
32 93 23 00-0013	EA	1	Gallon Blackberry Lily.....	5.62	
32 93 23 00-0014	EA	1	Quart Blank Flower.....	2.25	
32 93 23 00-0015	EA	1	Gallon Blank Flower.....	5.18	
32 93 23 00-0016	EA	2	Gallon Blank Flower.....	7.28	
32 93 23 00-0017	EA	1	Quart Blazing Star, Gayfeather.....	2.25	
32 93 23 00-0018	EA	1	Gallon Blazing Star, Gayfeather.....	5.62	
32 93 23 00-0019	EA	1	Quart Bloodred Geranium.....	3.82	
32 93 23 00-0020	EA	1	Gallon Bloodred Geranium.....	6.45	
32 93 23 00-0021	EA	1	Quart Blue Plumbago.....	2.25	
32 93 23 00-0022	EA	1	Gallon Blue Plumbago.....	5.62	
32 93 23 00-0023	EA	1	Quart Blue Star.....	4.05	
32 93 23 00-0024	EA	1	Gallon Blue Star.....	6.45	
32 93 23 00-0025	EA	1	Quart Cardinal Flower.....	2.25	
32 93 23 00-0026	EA	1	Gallon Cardinal Flower.....	5.62	
32 93 23 00-0027	EA	4"	Pot Columbine.....	1.35	
32 93 23 00-0028	EA	1	Quart Columbine.....	2.25	
32 93 23 00-0029	EA	1	Gallon Columbine.....	5.62	
32 93 23 00-0030	EA	1	Quart Common Globeflower.....	2.25	
32 93 23 00-0031	EA	1	Gallon Common Globeflower.....	5.62	
32 93 23 00-0032	EA	1	Quart Cottage Pink, Scotch Pink.....	2.25	
32 93 23 00-0033	EA	1	Quart Cottage Pink, Scotch Pink.....	5.62	
32 93 23 00-0034	EA	1	Gallon Astilbe 'Deutschland'.....	8.10	
32 93 23 00-0035	EA	1	Quart Diploid.....	2.85	
32 93 23 00-0036	EA	1	Gallon Diploid.....	6.45	
32 93 23 00-0037	EA	3	Gallon Diploid.....	11.10	
32 93 23 00-0038	EA	4"	Pot Dune Sunflower.....	3.21	
32 93 23 00-0039	EA	1	Quart Evans Begonia.....	4.05	
32 93 23 00-0040	EA	1	Gallon Evans Begonia.....	7.28	
32 93 23 00-0041	EA	1	Quart False Dragonhead.....	2.25	
32 93 23 00-0042	EA	1	Gallon False Dragonhead.....	5.62	
32 93 23 00-0043	EA	1	Quart False Spirea.....	2.25	
32 93 23 00-0044	EA	1	Gallon False Spirea.....	7.28	
32 93 23 00-0045	EA	3	Gallon False Spirea.....	10.05	
32 93 23 00-0046	EA	2	Quart False Sunflower.....	3.60	
32 93 23 00-0047	EA	1	Gallon False Sunflower.....	5.62	
32 93 23 00-0048	EA	2	Gallon False Sunflower.....	7.28	
32 93 23 00-0049	EA	1	Gallon Foxglove.....	5.18	
32 93 23 00-0050	EA	2	Gallon Foxglove.....	7.28	
32 93 23 00-0051	EA	3	Gallon Foxglove.....	10.50	
32 93 23 00-0052	EA	1	Gallon Francee Hostas.....	9.11	
32 93 23 00-0053	EA	1	Quart Garden Phlox.....	2.25	
32 93 23 00-0054	EA	1	Gallon Garden Phlox.....	5.62	
32 93 23 00-0055	EA	2	Quart Golden Groundsel.....	4.80	
32 93 23 00-0056	EA	2	Gallon Golden Groundsel.....	9.68	
32 93 23 00-0057	EA	1	Quart Golden Star.....	2.25	
32 93 23 00-0058	EA	1	Gallon Golden Star.....	5.62	
32 93 23 00-0059	EA	1	Quart Goldenrod.....	2.25	
32 93 23 00-0060	EA	1	Gallon Goldenrod.....	5.62	
32 93 23 00-0061	EA	1	Gallon Happy Returns Daylilies.....	10.48	
32 93 23 00-0062	EA	4"	Pot Hardy Aster, Michaelmas Daisy.....	1.35	
32 93 23 00-0063	EA	1	Quart Hardy Aster, Michaelmas Daisy.....	2.25	
32 93 23 00-0064	EA	1	Gallon Hardy Aster, Michaelmas Daisy.....	5.62	
32 93 23 00-0065	EA	1	Quart Hardy Chrysanthemum.....	1.95	
32 93 23 00-0066	EA	6" To 8"	Pot Hardy Chrysanthemum.....	3.23	
32 93 23 00-0067	EA	1	Gallon Hardy Chrysanthemum.....	5.18	
32 93 23 00-0068	EA	1	Gallon Herbaceous Peony.....	8.03	
32 93 23 00-0069	EA	2	Gallon Herbaceous Peony.....	12.82	
32 93 23 00-0070	EA	3	Gallon Herbaceous Peony.....	16.88	
32 93 23 00-0071	EA	4"	Pot Japanese Anemone.....	1.35	
32 93 23 00-0072	EA	1	Quart Japanese Anemone.....	4.05	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 23 00-0073	EA	2 Gallon Japanese Anemone.....	7.28	
32 93 23 00-0074	EA	2" Pot Japanese Spurge	0.80	
32 93 23 00-0075	EA	6" Pot Japanese Spurge	1.20	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge	5.17	
32 93 23 00-0077	EA	1 Quart Oriental Poppy	3.23	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy	6.45	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis.....	26.73	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris.....	4.43	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris.....	8.40	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells	8.52	
32 93 23 00-0083	EA	4" Pot Perennial Salvia	1.35	
32 93 23 00-0084	EA	1 Quart Perennial Salvia	2.25	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia.....	5.62	
32 93 23 00-0086	EA	1 Quart Pincushion Flower.....	2.25	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower	5.62	
32 93 23 00-0088	EA	2 Quart Plantain Lily.....	4.35	
32 93 23 00-0089	EA	1 Gallon Plantain Lily	6.15	
32 93 23 00-0090	EA	2 Gallon Plantain Lily	10.20	
32 93 23 00-0091	EA	3 Gallon Plantain Lily	19.28	
32 93 23 00-0092	EA	2 Quart Purple Coneflower	4.05	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower	5.62	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower	7.28	
32 93 23 00-0095	EA	1 Quart Purple Loosestrife.....	2.25	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife.....	5.62	
32 93 23 00-0097	EA	1 Quart Rose Mallow	4.43	
32 93 23 00-0098	EA	2 Gallon Rose Mallow.....	8.03	
32 93 23 00-0099	EA	3 Gallon Rose Mallow.....	13.73	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum	8.58	
32 93 23 00-0101	EA	1 Quart Siberian Iris.....	3.82	
32 93 23 00-0102	EA	2 Gallon Siberian Iris.....	7.28	
32 93 23 00-0103	EA	3 Gallon Siberian Iris.....	10.05	
32 93 23 00-0104	EA	1 Quart Speedwell	2.25	
32 93 23 00-0105	EA	1 Gallon Speedwell.....	5.62	
32 93 23 00-0106	EA	1 Quart Tetraploid.....	5.62	
32 93 23 00-0107	EA	1 Gallon Tetraploid.....	10.50	
32 93 23 00-0108	EA	3 Gallon Tetraploid.....	14.33	
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis.....	2.25	
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis	5.62	
32 93 23 00-0111	EA	1 Quart Torch Lily	2.25	
32 93 23 00-0112	EA	1 Quart Bluebeard.....	4.05	
32 93 23 00-0113	EA	1 Gallon Bluebeard	6.00	
32 93 23 00-0114	EA	2 Gallon Bluebeard.....	8.78	

32 93 23 00-0115 Annuals (32 93 23)

32 93 23 00-0116	EA	2-1/2" Pot Annual Flowers	1.04	
32 93 23 00-0117	EA	3" Pot Annual Flowers.....	1.41	
32 93 23 00-0118	EA	4" Pot Annual Flowers.....	3.02	
32 93 23 00-0119	EA	5-1/2" Pot Annual Flowers	4.01	
32 93 23 00-0120	EA	6" Pot Annual Flowers.....	7.95	
32 93 23 00-0121	EA	8" Pot Annual Flowers.....	13.25	
32 93 23 00-0122	EA	36 Plant Flat Annual Flowers.....	17.34	
32 93 23 00-0123	EA	48 Plant Flat Annual Flowers.....	19.67	

32 93 23 00-0124 Bulbs (32 93 23)

32 93 23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion	3.63	
32 93 23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	0.21	
32 93 23 00-0127	EA	Top Size Crocus Hybrid	0.24	
32 93 23 00-0128	EA	Top Size Eranthis hyemalis - Winter Aconite.....	0.31	
32 93 23 00-0129	EA	Top Size Galanthus nivalis - Snowdrops	0.39	
32 93 23 00-0130	EA	Top Size Iris reticulata cvs - Dutch Iris.....	0.15	
32 93 23 00-0131	EA	Top Size Muscari armeniacum - Grape Hyacinth	0.18	
32 93 23 00-0132	EA	Top Size Muscari latifolium - Grape Hyacinth.....	0.21	
32 93 23 00-0133	EA	Narcissus 'Carlton' - Carlton Daffodil DNI	1.26	
32 93 23 00-0134	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	0.60	
32 93 23 00-0135	EA	Narcissus 'February Gold' - February Gold Daffodil DNI.....	0.63	
32 93 23 00-0136	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	0.63	
32 93 23 00-0137	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	0.66	
32 93 23 00-0138	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	0.70	
32 93 23 00-0139	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	0.66	
32 93 23 00-0140	EA	Narcissus 'Salome' - Salome Daffodil DNI	0.61	
32 93 23 00-0141	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	0.66	
32 93 23 00-0142	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	0.66	
32 93 23 00-0143	EA	Top Size Scilla siberica - Siberian Squill.....	0.20	
32 93 23 00-0144	EA	Top Size Tulip 'Angelique' - Angelique Tulip.....	0.56	
32 93 23 00-0145	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip.....	0.42	
32 93 23 00-0146	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	0.56	
32 93 23 00-0147	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	0.49	
32 93 23 00-0148	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip.....	0.70	
32 93 23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip.....	0.53	
32 93 23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip.....	0.46	
32 93 23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	0.52	
32 93 23 00-0152	EA	Top Size Tulip clusiana - Species Tulip	0.52	
32 93 23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	0.52	

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

32 93 23 00-0154	EA		Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip.....	0.42	
32 93 23 00-0155	EA		Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip.....	0.40	
32 93 23 00-0156	EA		Top Size Tulip 'Halcro' - Halcro Tulip.....	0.42	
32 93 23 00-0157	EA		Top Size Tulip 'Ivory Floradale' - Ivory Floradale Tulip.....	0.70	
32 93 23 00-0158	EA		Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip.....	0.42	
32 93 23 00-0159	EA		Top Size Tulip 'Passionale' - Passionale Tulip.....	0.56	
32 93 23 00-0160	EA		Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip.....	0.60	
32 93 23 00-0161	EA		Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip.....	0.63	
32 93 23 00-0162	EA		Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip.....	0.50	
32 93 23 00-0163	EA		Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip.....	0.47	
32 93 23 00-0164	EA		Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip.....	0.52	
32 93 23 00-0165	EA		Top Size Tulip 'Princeps' - Princeps Tulip.....	0.52	
32 93 23 00-0166	EA		Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip.....	0.40	
32 93 23 00-0167	EA		Top Size Tulip saxatilis - Species Tulip.....	0.28	
32 93 23 00-0168	EA		Top Size Tulip 'Shirley' - Shirley Tulip.....	0.42	
32 93 23 00-0169	EA		Top Size Tulip 'Spring Green' - Spring Green Tulip.....	0.54	
32 93 23 00-0170	EA		Top Size Tulip 'White Emperor' - White Emperor Tulip.....	0.42	

32 93 33 Shrubs (32 93)

See CSI section 32 93 53 00-0033 for installation and planting of shrubs.

32 93 33 00-0001 Shrubs (32 93 33)

32 93 33 00-0002	EA	1	Gallon Abelia x grandiflora - Abelia.....	9.80	
32 93 33 00-0003	EA	3	Gallon Abelia x grandiflora - Abelia.....	19.95	
32 93 33 00-0004	EA	5	Gallon Abelia x grandiflora - Abelia.....	38.30	
32 93 33 00-0005	EA	3	Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	90.76	
32 93 33 00-0006	EA	18"	B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	132.64	
32 93 33 00-0007	EA	24"	B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	148.00	
32 93 33 00-0008	EA	30"	B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	187.10	
32 93 33 00-0009	EA	36"	B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	208.04	
32 93 33 00-0010	EA	18"	B&B Aesculus parviflora - Bottlebrush Buckeye.....	41.89	
32 93 33 00-0011	EA	24"	B&B Aesculus parviflora - Bottlebrush Buckeye.....	55.85	
32 93 33 00-0012	EA	30"	B&B Aesculus parviflora - Bottlebrush Buckeye.....	69.81	
32 93 33 00-0013	EA	36"	B&B Aronia arbutifolia & cvs - Red Chokeberry.....	23.74	
32 93 33 00-0014	EA	42"	B&B Aronia arbutifolia & cvs - Red Chokeberry.....	27.93	
32 93 33 00-0015	EA	48"	B&B Aronia arbutifolia & cvs - Red Chokeberry.....	33.51	
32 93 33 00-0016	EA	60"	B&B Aronia arbutifolia & cvs - Red Chokeberry.....	39.10	
32 93 33 00-0017	EA	72"	B&B Aronia arbutifolia & cvs - Red Chokeberry.....	47.47	
32 93 33 00-0018	EA	36"	B&B Aronia melanocarpa & cvs - Black Chokeberry.....	23.04	
32 93 33 00-0019	EA	42"	B&B Aronia melanocarpa & cvs - Black Chokeberry.....	24.43	
32 93 33 00-0020	EA	48"	B&B Aronia melanocarpa & cvs - Black Chokeberry.....	25.83	
32 93 33 00-0021	EA	60"	B&B Aronia melanocarpa & cvs - Black Chokeberry.....	29.32	
32 93 33 00-0022	EA	36"	B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	23.39	
32 93 33 00-0023	EA	42"	B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	24.78	
32 93 33 00-0024	EA	48"	B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	26.18	
32 93 33 00-0025	EA	60"	B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	27.58	
32 93 33 00-0026	EA	1	Gallon Aspidistra elatior - Cast Iron Plant.....	4.80	
32 93 33 00-0027	EA	2	Gallon Aspidistra elatior - Cast Iron Plant.....	11.10	
32 93 33 00-0028	EA	1	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	5.62	
32 93 33 00-0029	EA	3	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	12.38	
32 93 33 00-0030	EA	5	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	16.72	
32 93 33 00-0031	EA	1	Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	6.00	
32 93 33 00-0032	EA	2	Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	8.77	
32 93 33 00-0033	EA	15"	To 18" Berberis - Northern Bayberry.....	25.05	
32 93 33 00-0034	EA	2'	To 2-1/2' Berberis - Northern Bayberry.....	31.80	
32 93 33 00-0035	EA	2-1/2'	To 3' Berberis - Northern Bayberry.....	44.55	
32 93 33 00-0036	EA	18"	To 24" Berberis julianae - Dwarf Wintergreen Barberry.....	26.77	
32 93 33 00-0037	EA	2'	To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry.....	34.27	
32 93 33 00-0038	EA	2-1/2'	To 3' Berberis julianae - Dwarf Wintergreen Barberry.....	43.80	
32 93 33 00-0039	EA	1	Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	7.20	
32 93 33 00-0040	EA	2	Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	14.17	
32 93 33 00-0041	EA	3	Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	17.32	
32 93 33 00-0042	EA	1	Gallon Berberis x mentorensis - Mentor Barberry.....	6.82	
32 93 33 00-0043	EA	5	Gallon Berberis x mentorensis - Mentor Barberry.....	19.27	
32 93 33 00-0044	EA	2'	To 3' Berberis x mentorensis - Mentor Barberry.....	26.77	
32 93 33 00-0045	EA	3'	To 4' Berberis x mentorensis - Mentor Barberry.....	41.32	
32 93 33 00-0046	EA	1	Gallon Buxus microphylla japonica - Japanese Boxwood.....	7.80	
32 93 33 00-0047	EA	5	Gallon Buxus microphylla japonica - Japanese Boxwood.....	20.92	
32 93 33 00-0048	EA	12"	To 15" Buxus microphylla japonica - Japanese Boxwood.....	22.27	
32 93 33 00-0049	EA	15"	To 18" Buxus microphylla japonica - Japanese Boxwood.....	28.65	
32 93 33 00-0050	EA	18"	To 24" Buxus microphylla japonica - Japanese Boxwood.....	38.17	
32 93 33 00-0051	EA	24"	To 30" Buxus microphylla japonica - Japanese Boxwood.....	57.30	
32 93 33 00-0052	EA	30"	To 36" Buxus microphylla japonica - Japanese Boxwood.....	79.57	
32 93 33 00-0053	EA	12"	To 15" Buxus sempervirens - Common Boxwood.....	22.27	
32 93 33 00-0054	EA	15"	To 18" Buxus sempervirens - Common Boxwood.....	28.65	
32 93 33 00-0055	EA	18"	To 24" Buxus sempervirens - Common Boxwood.....	38.17	
32 93 33 00-0056	EA	24"	To 30" Buxus sempervirens - Common Boxwood.....	57.30	
32 93 33 00-0057	EA	2	Gallon Buxus Hybrid - Boxwood Cultivars.....	14.66	
32 93 33 00-0058	EA	5	Gallon Buxus Hybrid - Boxwood Cultivars.....	24.43	
32 93 33 00-0059	EA	5	Gallon Buxus microphylla & cvs - Little leaf Boxwood.....	64.23	
32 93 33 00-0060	EA	18"	B&B Buxus microphylla & cvs - Little leaf Boxwood.....	34.91	
32 93 33 00-0061	EA	24"	B&B Buxus microphylla & cvs - Little leaf Boxwood.....	47.47	
32 93 33 00-0062	EA	30"	B&B Buxus microphylla & cvs - Little leaf Boxwood.....	64.23	
32 93 33 00-0063	EA	5	Gallon Calycanthus floridus - Common Sweetshrub.....	23.04	
32 93 33 00-0064	EA	30"	B&B Calycanthus floridus - Common Sweetshrub.....	20.94	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0065	EA	36" B&B Calycanthus floridus - Common Sweetshrub.....	27.93	
32 93 33 00-0066	EA	1 Gallon Camellia "Sasanqua" - Camellia.....	5.62	
32 93 33 00-0067	EA	3 Gallon Camellia "Sasanqua" - Camellia.....	12.00	
32 93 33 00-0068	EA	5 Gallon Camellia "Sasanqua" - Camellia.....	19.95	
32 93 33 00-0069	EA	7 Gallon Camellia "Sasanqua" - Camellia.....	29.71	
32 93 33 00-0070	EA	15 Gallon Camellia "Sasanqua" - Camellia.....	77.07	
32 93 33 00-0071	EA	1 Gallon Camellia japonica - Camellia.....	5.62	
32 93 33 00-0072	EA	3 Gallon Camellia japonica - Camellia.....	12.00	
32 93 33 00-0073	EA	5 Gallon Camellia japonica - Camellia.....	19.95	
32 93 33 00-0074	EA	5 Gallon Ceanothus americanus - New Jersey Tea.....	23.04	
32 93 33 00-0075	EA	5 Gallon Celastrus scandens - Bittersweet.....	23.04	
32 93 33 00-0076	EA	36" B&B Celastrus scandens - Bittersweet.....	19.55	
32 93 33 00-0077	EA	5 Gallon Cephalanthus occidentalis - Buttonbush.....	23.04	
32 93 33 00-0078	EA	24" B&B Cephalanthus occidentalis - Buttonbush.....	17.45	
32 93 33 00-0079	EA	30" B&B Cephalanthus occidentalis - Buttonbush.....	19.55	
32 93 33 00-0080	EA	36" B&B Cephalanthus occidentalis - Buttonbush.....	20.94	
32 93 33 00-0081	EA	18" To 24" Chaenomeles speciosa - Flowering Quince.....	20.10	
32 93 33 00-0082	EA	2' To 3' Chaenomeles speciosa - Flowering Quince.....	26.77	
32 93 33 00-0083	EA	3' To 4' Chaenomeles speciosa - Flowering Quince.....	41.32	
32 93 33 00-0084	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra.....	22.34	
32 93 33 00-0085	EA	18" B&B Clethra alnifolia & cvs - Summersweet Clethra.....	24.09	
32 93 33 00-0086	EA	24" B&B Clethra alnifolia & cvs - Summersweet Clethra.....	26.88	
32 93 33 00-0087	EA	30" B&B Clethra alnifolia & cvs - Summersweet Clethra.....	28.27	
32 93 33 00-0088	EA	36" B&B Clethra alnifolia & cvs - Summersweet Clethra.....	33.16	
32 93 33 00-0089	EA	2' To 3' Cornus mas - Cornelian Cherry.....	31.80	
32 93 33 00-0090	EA	3' To 4' Cornus mas - Cornelian Cherry.....	39.75	
32 93 33 00-0091	EA	4' To 5' Cornus mas - Cornelian Cherry.....	50.92	
32 93 33 00-0092	EA	5' To 6' Cornus mas - Cornelian Cherry.....	69.97	
32 93 33 00-0093	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood.....	20.94	
32 93 33 00-0094	EA	36" B&B Cornus alba & cvs - Tartarian Dogwood.....	14.66	
32 93 33 00-0095	EA	48" B&B Cornus alba & cvs - Tartarian Dogwood.....	16.76	
32 93 33 00-0096	EA	60" B&B Cornus alba & cvs - Tartarian Dogwood.....	20.94	
32 93 33 00-0097	EA	72" B&B Cornus alba & cvs - Tartarian Dogwood.....	25.13	
32 93 33 00-0098	EA	36" B&B Cornus amomum - Silky Dogwood.....	20.94	
32 93 33 00-0099	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood.....	23.04	
32 93 33 00-0100	EA	5 Gallon Cornus racemosa - Gray Dogwood.....	23.04	
32 93 33 00-0101	EA	36" B&B Cornus racemosa - Gray Dogwood.....	20.94	
32 93 33 00-0102	EA	48" B&B Cornus racemosa - Gray Dogwood.....	24.43	
32 93 33 00-0103	EA	60" B&B Cornus racemosa - Gray Dogwood.....	26.53	
32 93 33 00-0104	EA	72" B&B Cornus racemosa - Gray Dogwood.....	32.11	
32 93 33 00-0105	EA	36" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	22.69	
32 93 33 00-0106	EA	48" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	25.48	
32 93 33 00-0107	EA	60" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	28.97	
32 93 33 00-0108	EA	24" B&B Cornus sericea & cvs - Redosier Dogwood.....	18.15	
32 93 33 00-0109	EA	30" B&B Cornus sericea & cvs - Redosier Dogwood.....	20.94	
32 93 33 00-0110	EA	36" B&B Cornus sericea & cvs - Redosier Dogwood.....	22.34	
32 93 33 00-0111	EA	48" B&B Cornus sericea & cvs - Redosier Dogwood.....	24.43	
32 93 33 00-0112	EA	60" B&B Cornus sericea & cvs - Redosier Dogwood.....	27.23	
32 93 33 00-0113	EA	5 Gallon Corylus americana - American Filbert.....	21.64	
32 93 33 00-0114	EA	30" B&B Corylus americana - American Filbert.....	24.43	
32 93 33 00-0115	EA	36" B&B Corylus americana - American Filbert.....	26.18	
32 93 33 00-0116	EA	48" B&B Corylus americana - American Filbert.....	28.27	
32 93 33 00-0117	EA	24" B&B Corylus avellana - Contorted Hazelnut.....	69.81	
32 93 33 00-0118	EA	30" B&B Corylus avellana - Contorted Hazelnut.....	90.76	
32 93 33 00-0119	EA	36" B&B Corylus avellana - Contorted Hazelnut.....	97.74	
32 93 33 00-0120	EA	42" B&B Corylus avellana - Contorted Hazelnut.....	125.66	
32 93 33 00-0121	EA	48" B&B Corylus avellana - Contorted Hazelnut.....	153.59	
32 93 33 00-0122	EA	60" B&B Corylus avellana - Contorted Hazelnut.....	174.53	
32 93 33 00-0123	EA	5' To 6' Cotinus coggygria - Smoke Tree.....	66.82	
32 93 33 00-0124	EA	6' To 8' Cotinus coggygria - Smoke Tree.....	100.20	
32 93 33 00-0125	EA	8' To 10' Cotinus coggygria - Smoke Tree.....	151.12	
32 93 33 00-0126	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	17.45	
32 93 33 00-0127	EA	18" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	17.45	
32 93 33 00-0128	EA	24" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	18.15	
32 93 33 00-0129	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster.....	16.72	
32 93 33 00-0130	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	18.15	
32 93 33 00-0131	EA	18" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	17.45	
32 93 33 00-0132	EA	24" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	18.15	
32 93 33 00-0133	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster.....	7.20	
32 93 33 00-0134	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster.....	22.27	
32 93 33 00-0135	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster.....	30.07	
32 93 33 00-0136	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster.....	50.92	
32 93 33 00-0137	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	7.20	
32 93 33 00-0138	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	14.18	
32 93 33 00-0139	EA	18" B&B Deutzia gracilis - Slender Deutzia.....	17.80	
32 93 33 00-0140	EA	24" B&B Deutzia gracilis - Slender Deutzia.....	19.55	
32 93 33 00-0141	EA	30" B&B Deutzia gracilis - Slender Deutzia.....	25.13	
32 93 33 00-0142	EA	36" B&B Deutzia gracilis - Slender Deutzia.....	29.32	
32 93 33 00-0143	EA	42" B&B Deutzia gracilis - Slender Deutzia.....	33.51	
32 93 33 00-0144	EA	24" B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	27.93	
32 93 33 00-0145	EA	30" B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	33.51	
32 93 33 00-0146	EA	36" B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	39.10	
32 93 33 00-0147	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle.....	10.47	
32 93 33 00-0148	EA	36" B&B Diervilla splendens - Splendens Bush Honeysuckle.....	25.13	
32 93 33 00-0149	EA	48" B&B Diervilla splendens - Splendens Bush Honeysuckle.....	33.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0150	EA	3'	To 4' Elaeagnus umbellata - Autumn Olive	20.85	
32 93 33 00-0151	EA	4'	To 5' Elaeagnus umbellata - Autumn Olive	28.65	
32 93 33 00-0152	EA	5'	To 6' Elaeagnus umbellata - Autumn Olive	34.27	
32 93 33 00-0153	EA	3'	To 4' Elaeagnus angustifolia - Russian Olive	33.37	
32 93 33 00-0154	EA	1	Gallon Euonymus - Gold Spot	6.00	
32 93 33 00-0155	EA	2	Gallon Euonymus - Gold Spot	12.60	
32 93 33 00-0156	EA	5	Gallon Euonymus - Gold Spot	17.33	
32 93 33 00-0157	EA	1	Gallon Euonymus alatus - Winged Euonymus	5.12	
32 93 33 00-0158	EA	3	Gallon Euonymus alatus - Winged Euonymus	14.77	
32 93 33 00-0159	EA	24"	B&B Euonymus alatus - Winged Euonymus	19.91	
32 93 33 00-0160	EA	30"	B&B Euonymus alatus - Winged Euonymus	24.89	
32 93 33 00-0161	EA	36"	B&B Euonymus alatus - Winged Euonymus	34.20	
32 93 33 00-0162	EA	42"	B&B Euonymus alatus - Winged Euonymus	42.23	
32 93 33 00-0163	EA	48"	B&B Euonymus alatus - Winged Euonymus	49.78	
32 93 33 00-0164	EA	54"	B&B Euonymus alatus - Winged Euonymus	64.23	
32 93 33 00-0165	EA	5	Gallon Euonymus alatus - Winged Euonymus	18.47	
32 93 33 00-0166	EA	60"	B&B Euonymus alatus - Winged Euonymus	80.28	
32 93 33 00-0167	EA	30"	B&B Euonymus alatus compactus - Compact Winged Euonymus	31.42	
32 93 33 00-0168	EA	36"	B&B Euonymus alatus compactus - Compact Winged Euonymus	37.35	
32 93 33 00-0169	EA	42"	B&B Euonymus alatus compactus - Compact Winged Euonymus	48.87	
32 93 33 00-0170	EA	48"	B&B Euonymus alatus compactus - Compact Winged Euonymus	58.64	
32 93 33 00-0171	EA	60"	B&B Euonymus alatus compactus - Compact Winged Euonymus	72.61	
32 93 33 00-0172	EA	18"	To 24" Euonymus alatus - Winged Burning Bush	22.27	
32 93 33 00-0173	EA	2'	To 2-1/2' Euonymus alatus - Winged Burning Bush	26.25	
32 93 33 00-0174	EA	2-1/2'	To 3' Euonymus alatus - Winged Burning Bush	35.85	
32 93 33 00-0175	EA	3'	To 3-1/2' Euonymus alatus - Winged Burning Bush	42.97	
32 93 33 00-0176	EA	3-1/2'	To 4' Euonymus alatus - Winged Burning Bush	54.07	
32 93 33 00-0177	EA	4'	To 5' Euonymus alatus - Winged Burning Bush	76.35	
32 93 33 00-0178	EA	5'	To 6' Euonymus alatus - Winged Burning Bush	95.47	
32 93 33 00-0179	EA	6'	To 8' Euonymus alatus - Winged Burning Bush	111.37	
32 93 33 00-0180	EA	15"	To 18" Euonymus alatus - Dwarf Winged Burning Bush	22.27	
32 93 33 00-0181	EA	18"	To 24" Euonymus alatus - Dwarf Winged Burning Bush	25.42	
32 93 33 00-0182	EA	2'	To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	31.05	
32 93 33 00-0183	EA	2-1/2'	To 3' Euonymus alatus - Dwarf Winged Burning Bush	43.80	
32 93 33 00-0184	EA	3'	To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	51.75	
32 93 33 00-0185	EA	3-1/2'	To 4' Euonymus alatus - Dwarf Winged Burning Bush	62.02	
32 93 33 00-0186	EA	4'	To 5' Euonymus alatus - Dwarf Winged Burning Bush	87.52	
32 93 33 00-0187	EA	5'	To 6' Euonymus alatus - Dwarf Winged Burning Bush	103.42	
32 93 33 00-0188	EA	36"	B&B Euonymus atropurpurea - Eastern Wahoo	18.85	
32 93 33 00-0189	EA	1	Gallon Euonymus fortunei - Wintercreeper	7.20	
32 93 33 00-0190	EA	2	Gallon Euonymus fortunei - Wintercreeper	14.18	
32 93 33 00-0191	EA	3	Gallon Euonymus fortunei - Wintercreeper	17.33	
32 93 33 00-0192	EA	5	Gallon Euonymus fortunei - Wintercreeper	20.55	
32 93 33 00-0193	EA	2'	To 3' Forsythia - Korean Forsythia	15.90	
32 93 33 00-0194	EA	3'	To 4' Forsythia - Korean Forsythia	20.10	
32 93 33 00-0195	EA	4'	To 5' Forsythia - Korean Forsythia	25.05	
32 93 33 00-0196	EA	30"	B&B Forsythia cvs - Forsythia cultivars	16.06	
32 93 33 00-0197	EA	36"	B&B Forsythia cvs - Forsythia cultivars	17.80	
32 93 33 00-0198	EA	48"	B&B Forsythia cvs - Forsythia cultivars	19.20	
32 93 33 00-0199	EA	18"	B&B Forsythia viridissima & cvs - Green Forsythia	16.76	
32 93 33 00-0200	EA	24"	B&B Forsythia viridissima & cvs - Green Forsythia	22.34	
32 93 33 00-0201	EA	24"	B&B Forsythia x intermedia & cvs - Border Forsythia	16.76	
32 93 33 00-0202	EA	30"	B&B Forsythia x intermedia & cvs - Border Forsythia	19.55	
32 93 33 00-0203	EA	36"	B&B Forsythia x intermedia & cvs - Border Forsythia	23.04	
32 93 33 00-0204	EA	42"	B&B Forsythia x intermedia & cvs - Border Forsythia	26.53	
32 93 33 00-0205	EA	48"	B&B Forsythia x intermedia & cvs - Border Forsythia	30.72	
32 93 33 00-0206	EA	2	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	23.74	
32 93 33 00-0207	EA	3	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	33.16	
32 93 33 00-0208	EA	5	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	34.91	
32 93 33 00-0209	EA	15"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	36.30	
32 93 33 00-0210	EA	18"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	39.10	
32 93 33 00-0211	EA	24"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	47.47	
32 93 33 00-0212	EA	24"	B&B Fothergilla major - Large Fothergilla	61.44	
32 93 33 00-0213	EA	30"	B&B Fothergilla major - Large Fothergilla	69.81	
32 93 33 00-0214	EA	1	Gallon Gardenia jasminoides - Cape Jasmine	5.18	
32 93 33 00-0215	EA	3	Gallon Gardenia jasminoides - Cape Jasmine	13.57	
32 93 33 00-0216	EA	5	Gallon Gardenia jasminoides - Cape Jasmine	17.33	
32 93 33 00-0217	EA	36"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel	48.87	
32 93 33 00-0218	EA	48"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel	79.59	
32 93 33 00-0219	EA	60"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel	100.53	
32 93 33 00-0220	EA	72"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel	153.59	
32 93 33 00-0221	EA	84"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel	174.53	
32 93 33 00-0222	EA	1	Gallon Hedychuium gartdnerum - Variegated Ginger	2.97	
32 93 33 00-0223	EA	3	Gallon Hedychuium gartdnerum - Variegated Ginger	10.44	
32 93 33 00-0224	EA	5	Gallon Hedychuium gartdnerum - Variegated Ginger	20.07	
32 93 33 00-0225	EA	1	Gallon Hibiscus rosa-sinensis - Hibiscus	7.61	
32 93 33 00-0226	EA	3	Gallon Hibiscus rosa-sinensis - Hibiscus	12.85	
32 93 33 00-0227	EA	5	Gallon Hibiscus rosa-sinensis - Hibiscus	19.43	
32 93 33 00-0228	EA	5	Gallon Hibiscus syriacus - Rose Of Sharon	20.10	
32 93 33 00-0229	EA	2'	To 3' Hibiscus syriacus - Rose Of Sharon	17.10	
32 93 33 00-0230	EA	3'	To 4' Hibiscus syriacus - Rose Of Sharon	23.10	
32 93 33 00-0231	EA	4'	To 5' Hibiscus syriacus - Rose Of Sharon	33.37	
32 93 33 00-0232	EA	5'	To 6' Hibiscus syriacus - Rose Of Sharon	46.12	
32 93 33 00-0233	EA	2	Gallon Hydrangea - Blue Hydrangea	14.18	
32 93 33 00-0234	EA	5	Gallon Hydrangea - Blue Hydrangea	19.95	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 33 00-0235	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	22.27
32 93 33 00-0236	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	25.42
32 93 33 00-0237	EA	2 Gallon Hydrangea quercifolia - Oakleaf Hydrangea	14.18
32 93 33 00-0238	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	24.43
32 93 33 00-0239	EA	30" B&B Hydrangea arborescens & cvs - Smooth Hydrangea	26.53
32 93 33 00-0240	EA	36" B&B Hydrangea arborescens & cvs - Smooth Hydrangea	30.72
32 93 33 00-0241	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	32.11
32 93 33 00-0242	EA	18" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	25.13
32 93 33 00-0243	EA	24" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	33.51
32 93 33 00-0244	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	14.66
32 93 33 00-0245	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	17.45
32 93 33 00-0246	EA	18" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	15.01
32 93 33 00-0247	EA	24" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	16.06
32 93 33 00-0248	EA	30" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	18.15
32 93 33 00-0249	EA	36" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	20.94
32 93 33 00-0250	EA	48" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	27.93
32 93 33 00-0251	EA	18" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	20.25
32 93 33 00-0252	EA	24" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	23.04
32 93 33 00-0253	EA	30" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	27.23
32 93 33 00-0254	EA	2 Gallon Hypericum kalmianum - St. John's Wort	14.18
32 93 33 00-0255	EA	3 Gallon Hypericum kalmianum - Kalm St. John's Wort	16.76
32 93 33 00-0256	EA	24" B&B Hypericum kalmianum - Kalm St. John's Wort	18.15
32 93 33 00-0257	EA	1 Gallon Ilex "Carissa" - Holly	7.20
32 93 33 00-0258	EA	2 Gallon Ilex "Carissa" - Holly	14.18
32 93 33 00-0259	EA	5 Gallon Ilex "Carissa" - Holly	19.95
32 93 33 00-0260	EA	18" To 24" Ilex - Gulfside Sweet Holly	19.12
32 93 33 00-0261	EA	2' To 2-1/2' Ilex - Gulfside Sweet Holly	24.22
32 93 33 00-0262	EA	2-1/2' To 3' Ilex - Gulfside Sweet Holly	31.42
32 93 33 00-0263	EA	3' To 3-1/2' Ilex - Gulfside Sweet Holly	38.17
32 93 33 00-0264	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	14.29
32 93 33 00-0265	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	7.20
32 93 33 00-0266	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	14.18
32 93 33 00-0267	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	20.55
32 93 33 00-0268	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	7.20
32 93 33 00-0269	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	15.75
32 93 33 00-0270	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	20.55
32 93 33 00-0271	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	15.75
32 93 33 00-0272	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	18.97
32 93 33 00-0273	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	38.17
32 93 33 00-0274	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	50.92
32 93 33 00-0275	EA	2' To 3' Ilex opaca - American Holly	50.92
32 93 33 00-0276	EA	3' To 4' Ilex opaca - American Holly	84.30
32 93 33 00-0277	EA	4' To 5' Ilex opaca - American Holly	108.15
32 93 33 00-0278	EA	5' To 6' Ilex opaca - American Holly	130.42
32 93 33 00-0279	EA	6' To 7' Ilex opaca - American Holly	182.92
32 93 33 00-0280	EA	7' To 8' Ilex opaca - American Holly	254.54
32 93 33 00-0281	EA	8' To 10' Ilex opaca - American Holly	365.84
32 93 33 00-0282	EA	10' To 12' Ilex opaca - American Holly	556.79
32 93 33 00-0283	EA	12' To 14' Ilex opaca - American Holly	676.04
32 93 33 00-0284	EA	14' To 16' Ilex opaca - American Holly	835.11
32 93 33 00-0285	EA	2' To 3' Ilex verticillata - Winterberry (Female)	50.92
32 93 33 00-0286	EA	3' To 4' Ilex verticillata - Winterberry (Female)	66.82
32 93 33 00-0287	EA	2' To 3' Ilex verticillata - Winterberry (Male)	41.32
32 93 33 00-0288	EA	3' To 4' Ilex verticillata - Winterberry (Male)	57.30
32 93 33 00-0289	EA	4' To 5' Ilex verticillata - Winterberry (Male)	66.82
32 93 33 00-0290	EA	1 Gallon Ilex vomitoria - Yaupon Holly	6.75
32 93 33 00-0291	EA	3 Gallon Ilex vomitoria - Yaupon Holly	13.57
32 93 33 00-0292	EA	10 Gallon Ilex vomitoria - Yaupon Holly	47.70
32 93 33 00-0293	EA	18" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	21.64
32 93 33 00-0294	EA	24" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	24.43
32 93 33 00-0295	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	27.93
32 93 33 00-0296	EA	18" B&B Ilex meserveae & cvs - Blue Holly	25.83
32 93 33 00-0297	EA	24" B&B Ilex meserveae & cvs - Blue Holly	31.42
32 93 33 00-0298	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	23.04
32 93 33 00-0299	EA	24" B&B Ilex verticillata & cvs - Common Winterberry	23.04
32 93 33 00-0300	EA	30" B&B Ilex verticillata & cvs - Common Winterberry	24.43
32 93 33 00-0301	EA	36" B&B Ilex verticillata & cvs - Common Winterberry	29.32
32 93 33 00-0302	EA	42" B&B Ilex verticillata & cvs - Common Winterberry	32.81
32 93 33 00-0303	EA	48" B&B Ilex verticillata & cvs - Common Winterberry	34.91
32 93 33 00-0304	EA	60" B&B Ilex verticillata & cvs - Common Winterberry	44.68
32 93 33 00-0305	EA	4' To 5' Ilex x attenuata "Foster" - Holly	82.72
32 93 33 00-0306	EA	5' To 6' Ilex x attenuata "Foster" - Holly	109.72
32 93 33 00-0307	EA	6' To 7' Ilex x attenuata "Foster" - Holly	98.17
32 93 33 00-0308	EA	7' To 8' Ilex x attenuata "Foster" - Holly	190.87
32 93 33 00-0309	EA	1 Gallon Jasminum - Jasmine	1.85
32 93 33 00-0310	EA	3 Gallon Jasminum - Jasmine	7.23
32 93 33 00-0311	EA	3 Gallon Jasminum - Orange Jasmine	5.62
32 93 33 00-0312	EA	4' - 5' Jasminum - Orange Jasmine	64.23
32 93 33 00-0313	EA	6' - 7' Jasminum - Orange Jasmine	128.46
32 93 33 00-0314	EA	8' - 10' Jasminum - Orange Jasmine	173.42
32 93 33 00-0315	EA	3 Gallon Juniperus chinensis cvs - Chinese Juniper	24.43
32 93 33 00-0316	EA	5 Gallon Juniperus chinensis cvs - Chinese Juniper	27.23
32 93 33 00-0317	EA	18" B&B Juniperus chinensis cvs - Chinese Juniper	36.30
32 93 33 00-0318	EA	24" B&B Juniperus chinensis cvs - Chinese Juniper	47.47
32 93 33 00-0319	EA	30" B&B Juniperus chinensis cvs - Chinese Juniper	55.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0320	EA	36"	B&B Juniperus chinensis cvs - Chinese Juniper.....	75.40	
32 93 33 00-0321	EA	48"	B&B Juniperus chinensis cvs - Chinese Juniper.....	103.32	
32 93 33 00-0322	EA	1	Gallon Juniperus horizontalis cvs - Creeping Juniper.....	11.64	
32 93 33 00-0323	EA	3	Gallon Juniperus horizontalis cvs - Creeping Juniper.....	24.43	
32 93 33 00-0324	EA	5	Gallon Juniperus horizontalis cvs - Creeping Juniper.....	27.23	
32 93 33 00-0325	EA	15"	B&B Juniperus horizontalis cvs - Creeping Juniper.....	29.32	
32 93 33 00-0326	EA	18"	B&B Juniperus horizontalis cvs - Creeping Juniper.....	32.11	
32 93 33 00-0327	EA	24"	B&B Juniperus horizontalis cvs - Creeping Juniper.....	39.10	
32 93 33 00-0328	EA	30"	B&B Juniperus horizontalis cvs - Creeping Juniper.....	47.47	
32 93 33 00-0329	EA	3	Gallon Juniperus procumbens cvs - Japanese Garden Juniper.....	18.85	
32 93 33 00-0330	EA	18"	B&B Juniperus procumbens cvs - Japanese Garden Juniper.....	22.34	
32 93 33 00-0331	EA	24"	B&B Juniperus procumbens cvs - Japanese Garden Juniper.....	30.72	
32 93 33 00-0332	EA	30"	B&B Juniperus procumbens cvs - Japanese Garden Juniper.....	39.10	
32 93 33 00-0333	EA	36"	B&B Juniperus procumbens cvs - Japanese Garden Juniper.....	47.47	
32 93 33 00-0334	EA	3	Gallon Juniperus sabina cvs - Savin Juniper.....	17.45	
32 93 33 00-0335	EA	5	Gallon Juniperus sabina cvs - Savin Juniper.....	20.94	
32 93 33 00-0336	EA	4	Gallon Juniperus virginiana cvs - Red Cedar Juniper.....	18.15	
32 93 33 00-0337	EA	36"	B&B Juniperus virginiana cvs - Red Cedar Juniper.....	34.91	
32 93 33 00-0338	EA	48"	B&B Juniperus virginiana cvs - Red Cedar Juniper.....	54.45	
32 93 33 00-0339	EA	60"	B&B Juniperus virginiana cvs - Red Cedar Juniper.....	68.42	
32 93 33 00-0340	EA	15'	To 18' Kalmia latifolia - Mountain Laurel.....	28.65	
32 93 33 00-0341	EA	18'	To 24' Kalmia latifolia - Mountain Laurel.....	38.17	
32 93 33 00-0342	EA	2'	To 3' Kalmia latifolia - Mountain Laurel.....	55.65	
32 93 33 00-0343	EA	4'	To 5' Kalmia latifolia - Mountain Laurel.....	101.77	
32 93 33 00-0344	EA	5'	To 6' Kalmia latifolia - Mountain Laurel.....	155.92	
32 93 33 00-0345	EA	6'	To 8' Kalmia latifolia - Mountain Laurel.....	238.65	
32 93 33 00-0346	EA	1	Gallon Kerria japonica - Kerria.....	6.37	
32 93 33 00-0347	EA	5	Gallon Kerria japonica - Kerria.....	19.95	
32 93 33 00-0348	EA	24"	B&B Kolkwitzia amabilis & cvs - Beautybush.....	20.25	
32 93 33 00-0349	EA	30"	B&B Kolkwitzia amabilis & cvs - Beautybush.....	23.04	
32 93 33 00-0350	EA	36"	B&B Kolkwitzia amabilis & cvs - Beautybush.....	25.13	
32 93 33 00-0351	EA	42"	B&B Kolkwitzia amabilis & cvs - Beautybush.....	29.32	
32 93 33 00-0352	EA	48"	B&B Kolkwitzia amabilis & cvs - Beautybush.....	33.51	
32 93 33 00-0353	EA	60"	B&B Kolkwitzia amabilis & cvs - Beautybush.....	41.89	
32 93 33 00-0354	EA	1	Gallon Lagerstroemia indica - Crepe Myrtle.....	4.80	
32 93 33 00-0355	EA	5	Gallon Lagerstroemia indica - Crepe Myrtle.....	17.10	
32 93 33 00-0356	EA	3'	To 4' Lagerstroemia indica - Crepe Myrtle.....	23.85	
32 93 33 00-0357	EA	4'	To 5' Lagerstroemia indica - Crepe Myrtle.....	35.03	
32 93 33 00-0358	EA	5'	To 6' Lagerstroemia indica - Crepe Myrtle.....	55.65	
32 93 33 00-0359	EA	7'	To 8' Lagerstroemia indica - Crepe Myrtle.....	72.26	
32 93 33 00-0360	EA	9'	To 10' Lagerstroemia indica - Crepe Myrtle.....	96.34	
32 93 33 00-0361	EA	11'	To 12' Lagerstroemia indica - Crepe Myrtle.....	200.71	
32 93 33 00-0362	EA	1	Gallon Leucothoe axillaris - Coast Leucothoe.....	7.20	
32 93 33 00-0363	EA	2	Gallon Leucothoe axillaris - Coast Leucothoe.....	15.75	
32 93 33 00-0364	EA	3	Gallon Leucothoe axillaris - Coast Leucothoe.....	18.97	
32 93 33 00-0365	EA	1	Gallon Ligustrum lucidum - Glossy Privet.....	4.43	
32 93 33 00-0366	EA	5	Gallon Ligustrum lucidum - Glossy Privet.....	13.57	
32 93 33 00-0367	EA	15	Gallon Ligustrum lucidum - Glossy Privet.....	63.60	
32 93 33 00-0368	EA	1	Gallon Ligustrum sinense - Variegated Chinese Privet.....	4.43	
32 93 33 00-0369	EA	2	Gallon Ligustrum sinense - Variegated Chinese Privet.....	9.52	
32 93 33 00-0370	EA	3	Gallon Ligustrum sinense - Variegated Chinese Privet.....	12.38	
32 93 33 00-0371	EA	36"	B&B Ligustrum vulgare & cvs - Common Privet.....	20.94	
32 93 33 00-0372	EA	48"	B&B Ligustrum vulgare & cvs - Common Privet.....	30.72	
32 93 33 00-0373	EA	60"	B&B Ligustrum vulgare & cvs - Common Privet.....	39.10	
32 93 33 00-0374	EA	72"	B&B Ligustrum vulgare & cvs - Common Privet.....	44.68	
32 93 33 00-0375	EA	5	Gallon Lindera benzoin - Spicebush.....	23.04	
32 93 33 00-0376	EA	36"	B&B Lindera benzoin - Spicebush.....	19.55	
32 93 33 00-0377	EA	48"	B&B Lindera benzoin - Spicebush.....	23.74	
32 93 33 00-0378	EA	2'	To 3' Lonicera fragrantissima - Winter Honeysuckle.....	38.17	
32 93 33 00-0379	EA	3'	To 4' Lonicera fragrantissima - Winter Honeysuckle.....	46.12	
32 93 33 00-0380	EA	30"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	20.94	
32 93 33 00-0381	EA	36"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	25.13	
32 93 33 00-0382	EA	42"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	27.93	
32 93 33 00-0383	EA	48"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	30.72	
32 93 33 00-0384	EA	1	Gallon Myrica cerifera - Wax Myrtle.....	4.01	
32 93 33 00-0385	EA	4	Gallon Myrica cerifera - Wax Myrtle.....	12.85	
32 93 33 00-0386	EA	7	Gallon Myrica cerifera - Wax Myrtle.....	28.10	
32 93 33 00-0387	EA	10	Gallon Myrica cerifera - Wax Myrtle.....	41.75	
32 93 33 00-0388	EA	15	Gallon Myrica cerifera - Wax Myrtle.....	64.23	
32 93 33 00-0389	EA	45	Gallon Myrica cerifera - Wax Myrtle.....	192.68	
32 93 33 00-0390	EA	1'	- 2' Myrica cerifera - Wax Myrtle.....	5.62	
32 93 33 00-0391	EA	3'	- 4' Myrica cerifera - Wax Myrtle.....	19.27	
32 93 33 00-0392	EA	5'	- 6' Myrica cerifera - Wax Myrtle.....	35.33	
32 93 33 00-0393	EA	7'	- 8' Myrica cerifera - Wax Myrtle.....	48.17	
32 93 33 00-0394	EA	9'	- 10' Myrica cerifera - Wax Myrtle.....	64.23	
32 93 33 00-0395	EA	11'	- 12' Myrica cerifera - Wax Myrtle.....	97.95	
32 93 33 00-0396	EA	3	Gallon Myrica pensylvanica - Northern Bayberry.....	20.94	
32 93 33 00-0397	EA	24"	B&B Myrica pensylvanica - Northern Bayberry.....	34.21	
32 93 33 00-0398	EA	30"	B&B Myrica pensylvanica - Northern Bayberry.....	50.27	
32 93 33 00-0399	EA	36"	B&B Myrica pensylvanica - Northern Bayberry.....	60.04	
32 93 33 00-0400	EA	48"	B&B Myrica pensylvanica - Northern Bayberry.....	62.83	
32 93 33 00-0401	EA	1	Gallon Nandina domestica - Heavenly Bamboo.....	7.20	
32 93 33 00-0402	EA	2	Gallon Nandina domestica - Heavenly Bamboo.....	15.75	
32 93 33 00-0403	EA	5	Gallon Nandina domestica - Heavenly Bamboo.....	23.85	
32 93 33 00-0404	EA	1	Gallon Osmanthus fragrans - Fragrant Tea Olive.....	4.43	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0405	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	12.00	
32 93 33 00-0406	EA	1 Gallon Philadelphus - Evergreen Mockorange	6.15	
32 93 33 00-0407	EA	5 Gallon Philadelphus - Evergreen Mockorange	19.95	
32 93 33 00-0408	EA	36" B&B Philadelphus x virginialis & cvs - Mockorange	20.94	
32 93 33 00-0409	EA	42" B&B Philadelphus x virginialis & cvs - Mockorange	24.43	
32 93 33 00-0410	EA	48" B&B Philadelphus x virginialis & cvs - Mockorange	27.93	
32 93 33 00-0411	EA	24" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	20.94	
32 93 33 00-0412	EA	30" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	24.43	
32 93 33 00-0413	EA	36" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	27.93	
32 93 33 00-0414	EA	42" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	34.91	
32 93 33 00-0415	EA	48" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	41.89	
32 93 33 00-0416	EA	12" To 15" Spread Pieris - Mountain Andromeda	19.27	
32 93 33 00-0417	EA	15" To 18" Spread Pieris - Mountain Andromeda	41.32	
32 93 33 00-0418	EA	12" To 15" Pieris japonica - Japanese Andromeda	25.05	
32 93 33 00-0419	EA	15" To 18" Pieris japonica - Japanese Andromeda	28.65	
32 93 33 00-0420	EA	18" To 24" Pieris japonica - Japanese Andromeda	35.85	
32 93 33 00-0421	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	50.92	
32 93 33 00-0422	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	60.45	
32 93 33 00-0423	EA	24" B&B Pinus mugo & cvs - Mugo Pine	34.91	
32 93 33 00-0424	EA	30" B&B Pinus mugo & cvs - Mugo Pine	44.68	
32 93 33 00-0425	EA	36" B&B Pinus mugo & cvs - Mugo Pine	53.76	
32 93 33 00-0426	EA	48" B&B Pinus mugo & cvs - Mugo Pine	69.11	
32 93 33 00-0427	EA	60" B&B Pinus mugo & cvs - Mugo Pine	83.08	
32 93 33 00-0428	EA	72" B&B Pinus mugo & cvs - Mugo Pine	121.47	
32 93 33 00-0429	EA	30" B&B Pinus mugo compacta - Dwarf Mugo Pine	75.40	
32 93 33 00-0430	EA	36" B&B Pinus mugo compacta - Dwarf Mugo Pine	90.76	
32 93 33 00-0431	EA	48" B&B Pinus mugo compacta - Dwarf Mugo Pine	120.78	
32 93 33 00-0432	EA	1 Gallon Pittosporum - Pittosporum	2.65	
32 93 33 00-0433	EA	3 Gallon Pittosporum - Pittosporum	6.82	
32 93 33 00-0434	EA	1 Gallon Pittosporum - Varigated Pittosporum	2.65	
32 93 33 00-0435	EA	3 Gallon Pittosporum - Varigated Pittosporum	6.82	
32 93 33 00-0436	EA	5 Gallon Pittosporum - Varigated Pittosporum	11.96	
32 93 33 00-0437	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	11.87	
32 93 33 00-0438	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	16.76	
32 93 33 00-0439	EA	18" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	12.57	
32 93 33 00-0440	EA	24" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	13.96	
32 93 33 00-0441	EA	30" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	20.25	
32 93 33 00-0442	EA	36" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	23.39	
32 93 33 00-0443	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	4.80	
32 93 33 00-0444	EA	3 Gallon Prunus caroliniana - Carolina Cherry Laurel	12.00	
32 93 33 00-0445	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	71.55	
32 93 33 00-0446	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	18.30	
32 93 33 00-0447	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	22.65	
32 93 33 00-0448	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	29.47	
32 93 33 00-0449	EA	15" To 18" Prunus triloba - Double White Flowering Almond	16.35	
32 93 33 00-0450	EA	18" To 24" Prunus triloba - Double White Flowering Almond	20.92	
32 93 33 00-0451	EA	3' To 4' Prunus triloba - Double White Flowering Almond	33.37	
32 93 33 00-0452	EA	4' To 6' Prunus triloba - Double White Flowering Almond	66.82	
32 93 33 00-0453	EA	5 Gallon Prunus triloba - Pink Flowering Almond	20.10	
32 93 33 00-0454	EA	18" To 24" Prunus triloba - Pink Flowering Almond	22.57	
32 93 33 00-0455	EA	2' To 3' Prunus triloba - Pink Flowering Almond	26.25	
32 93 33 00-0456	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	17.85	
32 93 33 00-0457	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	21.90	
32 93 33 00-0458	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	26.25	
32 93 33 00-0459	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	30.07	
32 93 33 00-0460	EA	1 Gallon Punica granatum - Dwarf Pomegranate	4.73	
32 93 33 00-0461	EA	3 Gallon Punica granatum - Dwarf Pomegranate	13.95	
32 93 33 00-0462	EA	7 Gallon Punica granatum - Dwarf Pomegranate	28.65	
32 93 33 00-0463	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	6.00	
32 93 33 00-0464	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	19.95	
32 93 33 00-0465	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	41.32	
32 93 33 00-0466	EA	1 Gallon Ralphirolepis indica - Indian Hawthorne	4.80	
32 93 33 00-0467	EA	2 Gallon Ralphirolepis indica - Indian Hawthorne	9.15	
32 93 33 00-0468	EA	5 Gallon Ralphirolepis indica - Indian Hawthorne	16.28	
32 93 33 00-0469	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	36.60	
32 93 33 00-0470	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	50.17	
32 93 33 00-0471	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	65.25	
32 93 33 00-0472	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	119.32	
32 93 33 00-0473	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	7.80	
32 93 33 00-0474	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	15.75	
32 93 33 00-0475	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	20.55	
32 93 33 00-0476	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	23.85	
32 93 33 00-0477	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	27.90	
32 93 33 00-0478	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	35.02	
32 93 33 00-0479	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	50.92	
32 93 33 00-0480	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	71.55	
32 93 33 00-0481	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	8.77	
32 93 33 00-0482	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	15.75	
32 93 33 00-0483	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	27.07	
32 93 33 00-0484	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	35.02	
32 93 33 00-0485	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	50.92	
32 93 33 00-0486	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	74.77	
32 93 33 00-0487	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	100.20	
32 93 33 00-0488	EA	5 Gallon Rhododendron - Boxleaf Azara	19.95	
32 93 33 00-0489	EA	15 Gallon Rhododendron - Boxleaf Azara	71.55	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 93 33 00-0490	EA	15" To 18" Rhododendron - Carolina Rhododendron	22.57	
32 93 33 00-0491	EA	18" To 24" Rhododendron - Carolina Rhododendron	39.75	
32 93 33 00-0492	EA	24" To 30" Rhododendron - Carolina Rhododendron	58.87	
32 93 33 00-0493	EA	2' To 3' Rhododendron - Five-leafed Azalea	26.77	
32 93 33 00-0494	EA	3' To 4' Rhododendron - Five-leafed Azalea	35.02	
32 93 33 00-0495	EA	4' To 5' Rhododendron - Five-leafed Azalea	46.12	
32 93 33 00-0496	EA	15" To 18" Rhododendron - Ghent Azalea	26.77	
32 93 33 00-0497	EA	18" To 24" Rhododendron - Ghent Azalea	33.37	
32 93 33 00-0498	EA	2' To 3' Rhododendron - Ghent Azalea	54.07	
32 93 33 00-0499	EA	3' To 4' Rhododendron - Ghent Azalea	74.77	
32 93 33 00-0500	EA	4' To 5' Rhododendron - Ghent Azalea	100.20	
32 93 33 00-0501	EA	5' To 6' Rhododendron - Ghent Azalea	133.65	
32 93 33 00-0502	EA	1 Gallon Rhododendron - Hybrid Rhododendron	8.77	
32 93 33 00-0503	EA	2 Gallon Rhododendron - Hybrid Rhododendron	18.97	
32 93 33 00-0504	EA	3 Gallon Rhododendron - Hybrid Rhododendron	26.92	
32 93 33 00-0505	EA	5 Gallon Rhododendron - Hybrid Rhododendron	30.07	
32 93 33 00-0506	EA	15" To 18" Rhododendron - Hybrid Rhododendron	25.42	
32 93 33 00-0507	EA	18" To 24" Rhododendron - Hybrid Rhododendron	35.02	
32 93 33 00-0508	EA	24" To 30" Rhododendron - Hybrid Rhododendron	47.70	
32 93 33 00-0509	EA	30" To 36" Rhododendron - Hybrid Rhododendron	55.65	
32 93 33 00-0510	EA	36" To 42" Rhododendron - Hybrid Rhododendron	79.57	
32 93 33 00-0511	EA	42" To 48" Rhododendron - Hybrid Rhododendron	98.62	
32 93 33 00-0512	EA	15" To 18" Rhododendron - Pjm Rhododendron	28.65	
32 93 33 00-0513	EA	18" To 24" Rhododendron - Pjm Rhododendron	35.02	
32 93 33 00-0514	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron	50.92	
32 93 33 00-0515	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron	65.25	
32 93 33 00-0516	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron	79.57	
32 93 33 00-0517	EA	12" To 15" Rhododendron - Torch Azalea	22.27	
32 93 33 00-0518	EA	15" To 18" Rhododendron - Torch Azalea	26.77	
32 93 33 00-0519	EA	18" To 24" Rhododendron - Torch Azalea	33.37	
32 93 33 00-0520	EA	2' To 3' Rhododendron - Torch Azalea	55.65	
32 93 33 00-0521	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron	25.13	
32 93 33 00-0522	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron	30.72	
32 93 33 00-0523	EA	18" B&B Rhododendron cvs - Lepidote Rhododendron	37.70	
32 93 33 00-0524	EA	24" B&B Rhododendron cvs - Lepidote Rhododendron	47.47	
32 93 33 00-0525	EA	30" B&B Rhododendron cvs - Lepidote Rhododendron	55.85	
32 93 33 00-0526	EA	36" B&B Rhododendron cvs - Lepidote Rhododendron	67.02	
32 93 33 00-0527	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	7.20	
32 93 33 00-0528	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	19.95	
32 93 33 00-0529	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac	16.76	
32 93 33 00-0530	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac	23.04	
32 93 33 00-0531	EA	18" B&B Rhus aromatica & cvs - Fragrant Sumac	26.53	
32 93 33 00-0532	EA	24" B&B Rhus aromatica & cvs - Fragrant Sumac	34.91	
32 93 33 00-0533	EA	36" B&B Rhus glabra - Smooth Sumac	20.94	
32 93 33 00-0534	EA	48" B&B Rhus typhina & cvs - Staghorn Sumac	34.91	
32 93 33 00-0535	EA	72" B&B Rhus typhina & cvs - Staghorn Sumac	55.85	
32 93 33 00-0536	EA	15" B&B Ribes alpinum & cvs - Alpine Currant	18.85	
32 93 33 00-0537	EA	18" B&B Ribes alpinum & cvs - Alpine Currant	21.64	
32 93 33 00-0538	EA	24" B&B Ribes alpinum & cvs - Alpine Currant	31.42	
32 93 33 00-0539	EA	30" B&B Ribes alpinum & cvs - Alpine Currant	41.89	
32 93 33 00-0540	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose	11.52	
32 93 33 00-0541	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose	13.96	
32 93 33 00-0542	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	17.45	
32 93 33 00-0543	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose	12.57	
32 93 33 00-0544	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	16.06	
32 93 33 00-0545	EA	5 Gallon Sambucus canadensis - American Elder	23.04	
32 93 33 00-0546	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	10.35	
32 93 33 00-0547	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	15.15	
32 93 33 00-0548	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	5.62	
32 93 33 00-0549	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	14.70	
32 93 33 00-0550	EA	1 Gallon Skimmia japonica - Japanese Skimmia	7.20	
32 93 33 00-0551	EA	2 Gallon Skimmia japonica - Japanese Skimmia	14.32	
32 93 33 00-0552	EA	5 Gallon Skimmia japonica - Japanese Skimmia	23.10	
32 93 33 00-0553	EA	3' To 4' Spiraea - Garland Spiraea	33.37	
32 93 33 00-0554	EA	4' To 5' Spiraea - Garland Spiraea	50.92	
32 93 33 00-0555	EA	5 Gallon Spiraea - Snowmound Spiraea	19.95	
32 93 33 00-0556	EA	18" To 24" Spiraea - Snowmound Spiraea	16.35	
32 93 33 00-0557	EA	2' To 3' Spiraea - Snowmound Spiraea	23.10	
32 93 33 00-0558	EA	3' To 4' Spiraea - Snowmound Spiraea	26.78	
32 93 33 00-0559	EA	4' To 5' Spiraea - Snowmound Spiraea	46.12	
32 93 33 00-0560	EA	1 Gallon Spiraea japonica & cvs - Japanese Spiraea	7.20	
32 93 33 00-0561	EA	2 Gallon Spiraea japonica & cvs - Japanese Spiraea	14.18	
32 93 33 00-0562	EA	3 Gallon Spiraea japonica & cvs - Japanese Spiraea	16.41	
32 93 33 00-0563	EA	5 Gallon Spiraea japonica & cvs - Japanese Spiraea	17.80	
32 93 33 00-0564	EA	18" B&B Spiraea japonica & cvs - Japanese Spiraea	18.15	
32 93 33 00-0565	EA	24" B&B Spiraea japonica & cvs - Japanese Spiraea	20.94	
32 93 33 00-0566	EA	30" B&B Spiraea japonica & cvs - Japanese Spiraea	23.74	
32 93 33 00-0567	EA	36" B&B Spiraea japonica & cvs - Japanese Spiraea	27.58	
32 93 33 00-0568	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea	11.17	
32 93 33 00-0569	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea	16.76	
32 93 33 00-0570	EA	18" B&B Spiraea nipponica & cvs - Nippon Spiraea	15.36	
32 93 33 00-0571	EA	24" B&B Spiraea nipponica & cvs - Nippon Spiraea	18.15	
32 93 33 00-0572	EA	30" B&B Spiraea nipponica & cvs - Nippon Spiraea	20.94	
32 93 33 00-0573	EA	36" B&B Spiraea nipponica & cvs - Nippon Spiraea	23.74	
32 93 33 00-0574	EA	48" B&B Spiraea nipponica & cvs - Nippon Spiraea	30.72	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0575	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	7.20	
32 93 33 00-0576	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	12.92	
32 93 33 00-0577	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	16.76	
32 93 33 00-0578	EA	18" B&B Spiraea x bumalda & cvs - Bumalda Spirea	14.66	
32 93 33 00-0579	EA	24" B&B Spiraea x bumalda & cvs - Bumalda Spirea	17.80	
32 93 33 00-0580	EA	30" B&B Spiraea x bumalda & cvs - Bumalda Spirea	20.94	
32 93 33 00-0581	EA	36" B&B Spiraea x bumalda & cvs - Bumalda Spirea	23.74	
32 93 33 00-0582	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	16.76	
32 93 33 00-0583	EA	18" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	16.76	
32 93 33 00-0584	EA	24" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	19.55	
32 93 33 00-0585	EA	30" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	26.53	
32 93 33 00-0586	EA	36" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	30.72	
32 93 33 00-0587	EA	42" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	36.30	
32 93 33 00-0588	EA	5 Gallon Staphylea trifolia - Bladdernut.....	23.57	
32 93 33 00-0589	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	16.76	
32 93 33 00-0590	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	18.15	
32 93 33 00-0591	EA	24" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	20.94	
32 93 33 00-0592	EA	30" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	25.13	
32 93 33 00-0593	EA	2 Gallon Symphoricarpos albus - Common Snowberry	17.45	
32 93 33 00-0594	EA	5 Gallon Symphoricarpos albus - Common Snowberry	18.50	
32 93 33 00-0595	EA	24" B&B Syringa meyeri & cvs - Meyer Lilac	30.72	
32 93 33 00-0596	EA	30" B&B Syringa meyeri & cvs - Meyer Lilac	38.40	
32 93 33 00-0597	EA	36" B&B Syringa meyeri & cvs - Meyer Lilac	44.68	
32 93 33 00-0598	EA	42" B&B Syringa meyeri & cvs - Meyer Lilac	51.66	
32 93 33 00-0599	EA	18" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac.....	30.72	
32 93 33 00-0600	EA	24" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac.....	33.51	
32 93 33 00-0601	EA	30" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac.....	38.40	
32 93 33 00-0602	EA	36" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac.....	44.68	
32 93 33 00-0603	EA	42" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac.....	51.66	
32 93 33 00-0604	EA	60" B&B Syringa villosa & cvs - Late Lilac.....	24.43	
32 93 33 00-0605	EA	72" B&B Syringa villosa & cvs - Late Lilac.....	26.53	
32 93 33 00-0606	EA	36" B&B Syringa vulgaris & cvs - Common Lilac	20.94	
32 93 33 00-0607	EA	42" B&B Syringa vulgaris & cvs - Common Lilac.....	23.74	
32 93 33 00-0608	EA	48" B&B Syringa vulgaris & cvs - Common Lilac.....	26.53	
32 93 33 00-0609	EA	60" B&B Syringa vulgaris & cvs - Common Lilac.....	30.72	
32 93 33 00-0610	EA	72" B&B Syringa vulgaris & cvs - Common Lilac.....	37.70	
32 93 33 00-0611	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	17.45	
32 93 33 00-0612	EA	36" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac.....	20.25	
32 93 33 00-0613	EA	48" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac.....	26.53	
32 93 33 00-0614	EA	48" B&B Taxus cuspidata capitata - Capitata Japanese Yew.....	111.00	
32 93 33 00-0615	EA	54" B&B Taxus cuspidata capitata - Capitata Japanese Yew.....	124.27	
32 93 33 00-0616	EA	60" B&B Taxus cuspidata capitata - Capitata Japanese Yew.....	136.83	
32 93 33 00-0617	EA	72" B&B Taxus cuspidata capitata - Capitata Japanese Yew.....	164.76	
32 93 33 00-0618	EA	18" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	29.32	
32 93 33 00-0619	EA	24" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	38.40	
32 93 33 00-0620	EA	30" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	44.68	
32 93 33 00-0621	EA	36" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	48.87	
32 93 33 00-0622	EA	15" B&B Taxus x media & cvs - Anglojap Yew	29.32	
32 93 33 00-0623	EA	18" B&B Taxus x media & cvs - Anglojap Yew	38.40	
32 93 33 00-0624	EA	24" B&B Taxus x media & cvs - Anglojap Yew	45.38	
32 93 33 00-0625	EA	30" B&B Taxus x media & cvs - Anglojap Yew	53.76	
32 93 33 00-0626	EA	36" B&B Taxus x media & cvs - Anglojap Yew	80.98	
32 93 33 00-0627	EA	36" B&B Thuja occidentalis & cvs - Upright Arborvitae.....	44.68	
32 93 33 00-0628	EA	48" B&B Thuja occidentalis & cvs - Upright Arborvitae.....	60.04	
32 93 33 00-0629	EA	60" B&B Thuja occidentalis & cvs - Upright Arborvitae.....	90.76	
32 93 33 00-0630	EA	72" B&B Thuja occidentalis & cvs - Upright Arborvitae.....	132.64	
32 93 33 00-0631	EA	84" B&B Thuja occidentalis & cvs - Upright Arborvitae.....	152.19	
32 93 33 00-0632	EA	96" B&B Thuja occidentalis & cvs - Upright Arborvitae.....	176.63	
32 93 33 00-0633	EA	15" B&B Thuja occidentalis cvs - Dwarf Arborvitae.....	19.55	
32 93 33 00-0634	EA	18" B&B Thuja occidentalis cvs - Dwarf Arborvitae.....	27.23	
32 93 33 00-0635	EA	24" B&B Thuja occidentalis cvs - Dwarf Arborvitae.....	38.40	
32 93 33 00-0636	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	33.37	
32 93 33 00-0637	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	50.92	
32 93 33 00-0638	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	66.82	
32 93 33 00-0639	EA	1 Gallon Viburnum japonicum - Japanese Viburnum.....	4.05	
32 93 33 00-0640	EA	3 Gallon Viburnum japonicum - Japanese Viburnum.....	11.10	
32 93 33 00-0641	EA	5 Gallon Viburnum plicatum - Japanese Snowball.....	19.95	
32 93 33 00-0642	EA	5' To 6' Viburnum plicatum - Japanese Snowball.....	74.77	
32 93 33 00-0643	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum.....	35.03	
32 93 33 00-0644	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum.....	41.32	
32 93 33 00-0645	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum.....	58.12	
32 93 33 00-0646	EA	30" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum.....	38.40	
32 93 33 00-0647	EA	36" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum.....	46.08	
32 93 33 00-0648	EA	24" B&B Viburnum carlesii & cvs - Korean Spice Viburnum.....	34.91	
32 93 33 00-0649	EA	30" B&B Viburnum carlesii & cvs - Korean Spice Viburnum.....	41.89	
32 93 33 00-0650	EA	36" B&B Viburnum carlesii & cvs - Korean Spice Viburnum.....	48.87	
32 93 33 00-0651	EA	42" B&B Viburnum carlesii & cvs - Korean Spice Viburnum.....	55.85	
32 93 33 00-0652	EA	36" B&B Viburnum dentatum & cvs - Arrowwood Viburnum.....	19.55	
32 93 33 00-0653	EA	42" B&B Viburnum dentatum & cvs - Arrowwood Viburnum.....	20.94	
32 93 33 00-0654	EA	48" B&B Viburnum dentatum & cvs - Arrowwood Viburnum.....	24.43	
32 93 33 00-0655	EA	60" B&B Viburnum dentatum & cvs - Arrowwood Viburnum.....	27.93	
32 93 33 00-0656	EA	72" B&B Viburnum dentatum & cvs - Arrowwood Viburnum.....	30.72	
32 93 33 00-0657	EA	30" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum.....	18.85	
32 93 33 00-0658	EA	36" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum.....	20.94	
32 93 33 00-0659	EA	42" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum.....	26.53	

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

32 93 33 00-0660	EA	48"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum.....	30.72	
32 93 33 00-0661	EA	60"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum.....	41.89	
32 93 33 00-0662	EA	72"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum.....	50.27	
32 93 33 00-0663	EA	36"	B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	20.94	
32 93 33 00-0664	EA	48"	B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	27.93	
32 93 33 00-0665	EA	5'	B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	34.91	
32 93 33 00-0666	EA	6'	B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	48.87	
32 93 33 00-0667	EA	7'	B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	69.81	
32 93 33 00-0668	EA	8'	B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	97.74	
32 93 33 00-0669	EA	9'	B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	125.66	
32 93 33 00-0670	EA	30"	B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum.....	25.13	
32 93 33 00-0671	EA	36"	B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum.....	27.93	
32 93 33 00-0672	EA	36"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	50.27	
32 93 33 00-0673	EA	48"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	76.79	
32 93 33 00-0674	EA	60"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	97.74	
32 93 33 00-0675	EA	72"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	118.68	
32 93 33 00-0676	EA	84"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	146.61	
32 93 33 00-0677	EA	96"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	174.53	
32 93 33 00-0678	EA	108"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	209.44	
32 93 33 00-0679	EA	120"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	244.35	
32 93 33 00-0680	EA	30"	B&B Viburnum sargentii & cvs - Sargent Viburnum.....	21.29	
32 93 33 00-0681	EA	36"	B&B Viburnum sargentii & cvs - Sargent Viburnum.....	23.39	
32 93 33 00-0682	EA	48"	B&B Viburnum sargentii & cvs - Sargent Viburnum.....	26.53	
32 93 33 00-0683	EA	60"	B&B Viburnum sargentii & cvs - Sargent Viburnum.....	30.72	
32 93 33 00-0684	EA	72"	B&B Viburnum sargentii & cvs - Sargent Viburnum.....	35.26	
32 93 33 00-0685	EA	18"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	20.25	
32 93 33 00-0686	EA	24"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	24.43	
32 93 33 00-0687	EA	30"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	29.32	
32 93 33 00-0688	EA	36"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	33.51	
32 93 33 00-0689	EA	42"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	40.49	
32 93 33 00-0690	EA	48"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	44.68	
32 93 33 00-0691	EA	30"	B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	34.91	
32 93 33 00-0692	EA	36"	B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	41.89	
32 93 33 00-0693	EA	42"	B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	48.87	
32 93 33 00-0694	EA	48"	B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	55.85	
32 93 33 00-0695	EA	60"	B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	62.83	
32 93 33 00-0696	EA	30"	B&B Viburnum x juddii & cvs - Judd Viburnum.....	44.68	
32 93 33 00-0697	EA	36"	B&B Viburnum x juddii & cvs - Judd Viburnum.....	50.27	
32 93 33 00-0698	EA	42"	B&B Viburnum x juddii & cvs - Judd Viburnum.....	57.25	
32 93 33 00-0699	EA	48"	B&B Viburnum x juddii & cvs - Judd Viburnum.....	65.62	
32 93 33 00-0700	EA	2'	To 3' Viburnum opulus "Roseum" - Fragrant Snowball.....	41.32	
32 93 33 00-0701	EA	3'	To 4' Viburnum opulus "Roseum" - Fragrant Snowball.....	50.92	
32 93 33 00-0702	EA	4'	To 5' Viburnum opulus "Roseum" - Fragrant Snowball.....	74.77	
32 93 33 00-0703	EA	5'	Gallon Weigela florida & cvs - Old Fashioned Weigela.....	23.04	
32 93 33 00-0704	EA	24"	B&B Weigela florida & cvs - Old Fashioned Weigela.....	20.94	
32 93 33 00-0705	EA	30"	B&B Weigela florida & cvs - Old Fashioned Weigela.....	23.74	
32 93 33 00-0706	EA	36"	B&B Weigela florida & cvs - Old Fashioned Weigela.....	26.53	
32 93 33 00-0707	EA	42"	B&B Weigela florida & cvs - Old Fashioned Weigela.....	30.72	
32 93 33 00-0708	EA	48"	B&B Weigela florida & cvs - Old Fashioned Weigela.....	34.91	
32 93 33 00-0709	EA	1'	Gallon Xylosma congestum - Shiny Xylosma.....	4.80	
32 93 33 00-0710	EA	5'	Gallon Xylosma congestum - Shiny Xylosma.....	13.57	
32 93 33 00-0711	EA	15'	Gallon Xylosma congestum - Shiny Xylosma.....	59.70	
32 93 33 00-0712	EA	1'	Gallon Yucca aloifolia - Spanish Bayonet.....	4.05	
32 93 33 00-0713	EA	3'	Gallon Yucca aloifolia - Spanish Bayonet.....	10.72	
32 93 33 00-0714	EA	1'	Gallon Yucca filamentosa - Adams Needle.....	5.62	
32 93 33 00-0715	EA	3'	Gallon Yucca filamentosa - Adams Needle.....	10.95	
32 93 33 00-0716	EA	5'	Gallon Yucca filamentosa - Adams Needle.....	17.33	
32 93 33 00-0717	EA	5'	Gallon Border Forsythia - Goldenbells.....	19.27	
32 93 33 00-0718	EA	2'	To 3' Border Forsythia - Goldenbells.....	15.90	
32 93 33 00-0719	EA	3'	To 4' Border Forsythia - Goldenbells.....	20.10	
32 93 33 00-0720	EA	4'	To 5' Border Forsythia - Goldenbells.....	25.05	
32 93 33 00-0721	EA	5'	To 6' Border Forsythia - Goldenbells.....	30.07	
32 93 33 00-0722	EA	6'	To 8' Border Forsythia - Goldenbells.....	41.32	
32 93 33 00-0723	EA	3'	Juniperus chinensis - Columnar Chinese Juniper.....	40.95	
32 93 33 00-0724	EA	4'	Juniperus chinensis - Columnar Chinese Juniper.....	56.20	
32 93 33 00-0725	EA	5'	Juniperus chinensis - Columnar Chinese Juniper.....	88.31	
32 93 33 00-0726	EA	6'	Juniperus chinensis - Columnar Chinese Juniper.....	102.76	
32 93 33 00-0727	EA	7'	Juniperus chinensis - Columnar Chinese Juniper.....	134.88	
32 93 33 00-0728	EA	2'	Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	8.03	
32 93 33 00-0729	EA	3'	Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	11.24	
32 93 33 00-0730	EA	5'	Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	27.22	
32 93 33 00-0731	EA	2'	Gallon Chrysobalanus icaco - Cocoplum Green Tip.....	8.03	
32 93 33 00-0732	EA	3'	Gallon Chrysobalanus icaco - Cocoplum Green Tip.....	11.24	

32 93 43 Trees (32 93)

See CSI section 32 93 53 00-0001 for installation and planting of trees.

32 93 43 00-0001 Ornamental Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6'	Clump Form Acer ginnala & cvs - Amur Maple.....	304.54	
32 93 43 00-0003	EA	7'	Clump Form Acer ginnala & cvs - Amur Maple.....	372.21	
32 93 43 00-0004	EA	8'	Clump Form Acer ginnala & cvs - Amur Maple.....	422.97	
32 93 43 00-0005	EA	10'	Clump Form Acer ginnala & cvs - Amur Maple.....	490.64	
32 93 43 00-0006	EA	12'	Clump Form Acer ginnala & cvs - Amur Maple.....	558.32	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	659.83	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	245.00	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	1,082.80	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,353.50	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	270.70	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus glabra - Ohio Buckeye	676.75	
32 93 43 00-0013	EA	2" Caliper Aesculus glabra - Ohio Buckeye	879.77	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus glabra - Ohio Buckeye	1,015.12	
32 93 43 00-0015	EA	3" Caliper Aesculus glabra - Ohio Buckeye	1,150.47	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus glabra - Ohio Buckeye	1,353.50	
32 93 43 00-0017	EA	36" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	55.85	
32 93 43 00-0018	EA	48" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	69.81	
32 93 43 00-0019	EA	60" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	86.57	
32 93 43 00-0020	EA	60" B&B Amelanchier arborea & cvs - Downy Serviceberry	69.81	
32 93 43 00-0021	EA	72" B&B Amelanchier arborea & cvs - Downy Serviceberry	83.78	
32 93 43 00-0022	EA	7" B&B Amelanchier arborea & cvs - Downy Serviceberry	97.74	
32 93 43 00-0023	EA	8" B&B Amelanchier arborea & cvs - Downy Serviceberry	111.70	
32 93 43 00-0024	EA	5' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	125.66	
32 93 43 00-0025	EA	6' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	139.63	
32 93 43 00-0026	EA	7' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	160.57	
32 93 43 00-0027	EA	8" B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	181.51	
32 93 43 00-0028	EA	9" B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	209.44	
32 93 43 00-0029	EA	1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	338.37	
32 93 43 00-0030	EA	2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	473.72	
32 93 43 00-0031	EA	2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	507.56	
32 93 43 00-0032	EA	3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	592.15	
32 93 43 00-0033	EA	6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	422.97	
32 93 43 00-0034	EA	7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	507.56	
32 93 43 00-0035	EA	8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	592.15	
32 93 43 00-0036	EA	10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	676.75	
32 93 43 00-0037	EA	12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	761.34	
32 93 43 00-0038	EA	14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	845.93	
32 93 43 00-0039	EA	7" B&B Amelanchier laevis & cvs - Allegheny Serviceberry	160.57	
32 93 43 00-0040	EA	8" B&B Amelanchier laevis & cvs - Allegheny Serviceberry	188.50	
32 93 43 00-0041	EA	9" B&B Amelanchier laevis & cvs - Allegheny Serviceberry	216.42	
32 93 43 00-0042	EA	10" B&B Amelanchier laevis & cvs - Allegheny Serviceberry	237.36	
32 93 43 00-0043	EA	30" B&B Amelanchier stolonifera & cvs - Running Serviceberry	55.85	
32 93 43 00-0044	EA	48" B&B Amelanchier stolonifera & cvs - Running Serviceberry	118.68	
32 93 43 00-0045	EA	60" B&B Amelanchier stolonifera & cvs - Running Serviceberry	153.59	
32 93 43 00-0046	EA	2' To 4' Amelanchier - Juneberry	17.00	
32 93 43 00-0047	EA	4' To 5' Amelanchier - Juneberry	17.83	
32 93 43 00-0048	EA	5' To 6' Amelanchier - Juneberry	21.23	
32 93 43 00-0049	EA	6' To 8' Amelanchier - Juneberry	25.33	
32 93 43 00-0050	EA	3' Clump Form Asimina triloba - Paw-Paw	236.86	
32 93 43 00-0051	EA	4' Clump Form Asimina triloba - Paw-Paw	270.70	
32 93 43 00-0052	EA	5' Clump Form Asimina triloba - Paw-Paw	372.21	
32 93 43 00-0053	EA	1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	507.56	
32 93 43 00-0054	EA	2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	592.15	
32 93 43 00-0055	EA	2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	761.34	
32 93 43 00-0056	EA	5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	304.54	
32 93 43 00-0057	EA	6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	372.21	
32 93 43 00-0058	EA	7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	507.56	
32 93 43 00-0059	EA	8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	592.15	
32 93 43 00-0060	EA	10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	710.59	
32 93 43 00-0061	EA	12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	862.85	
32 93 43 00-0062	EA	14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	981.28	
32 93 43 00-0063	EA	6' Cercis - American Redbud	189.51	
32 93 43 00-0064	EA	8' Cercis - American Redbud	260.72	
32 93 43 00-0065	EA	2-1/2" Caliper Cercis - American Redbud	537.00	
32 93 43 00-0066	EA	3" Caliper Cercis - American Redbud	653.74	
32 93 43 00-0067	EA	15 Gallon Cercis canadensis & cvs - Eastern Redbud	165.40	
32 93 43 00-0068	EA	20 Gallon Cercis canadensis & cvs - Eastern Redbud	206.76	
32 93 43 00-0069	EA	6' Clump Form Cercis canadensis & cvs - Eastern Redbud	406.05	
32 93 43 00-0070	EA	7' Clump Form Cercis canadensis & cvs - Eastern Redbud	558.32	
32 93 43 00-0071	EA	8' Clump Form Cercis canadensis & cvs - Eastern Redbud	710.59	
32 93 43 00-0072	EA	1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud	389.13	
32 93 43 00-0073	EA	2" Caliper Cercis canadensis & cvs - Eastern Redbud	456.80	
32 93 43 00-0074	EA	5' To 6' Chaenomeles - Orange Quince	106.88	
32 93 43 00-0075	EA	6' To 8' Chaenomeles - Orange Quince	133.60	
32 93 43 00-0076	EA	5' Clump Form Chionanthus virginicus - White Fringetree	338.37	
32 93 43 00-0077	EA	6' Clump Form Chionanthus virginicus - White Fringetree	422.97	
32 93 43 00-0078	EA	7' Clump Form Chionanthus virginicus - White Fringetree	541.40	
32 93 43 00-0079	EA	4' To 5' Cornus - Pink Or Red Flowering Dogwood	122.14	
32 93 43 00-0080	EA	5' To 6' Cornus - Pink Or Red Flowering Dogwood	152.68	
32 93 43 00-0081	EA	6' To 7' Cornus - Pink Or Red Flowering Dogwood	213.75	
32 93 43 00-0082	EA	7' To 8' Cornus - Pink Or Red Flowering Dogwood	274.82	
32 93 43 00-0083	EA	4' To 5' Cornus - White Flowering Dogwood	81.43	
32 93 43 00-0084	EA	5' To 6' Cornus - White Flowering Dogwood	122.14	
32 93 43 00-0085	EA	6' To 7' Cornus - White Flowering Dogwood	171.00	
32 93 43 00-0086	EA	3' To 4' Cornus kousa - Japanese Dogwood	81.43	
32 93 43 00-0087	EA	4' To 5' Cornus kousa - Japanese Dogwood	93.64	
32 93 43 00-0088	EA	5' To 6' Cornus kousa - Japanese Dogwood	122.14	
32 93 43 00-0089	EA	6' To 8' Cornus kousa - Japanese Dogwood	179.15	
32 93 43 00-0090	EA	8' To 10' Cornus kousa - Japanese Dogwood	244.29	
32 93 43 00-0091	EA	1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	389.13	

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

32 93 43 00-0092	EA	2"	Caliper Cornus alternifolia & cvs - Pagoda Dogwood	473.72	
32 93 43 00-0093	EA	4'	Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	186.11	
32 93 43 00-0094	EA	5'	Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	236.86	
32 93 43 00-0095	EA	6'	Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	270.70	
32 93 43 00-0096	EA	7'	Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	304.54	
32 93 43 00-0097	EA	8'	Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	372.21	
32 93 43 00-0098	EA	4'	Clump Form Cornus mas & cvs - Corneliancherry Dogwood	186.11	
32 93 43 00-0099	EA	5'	Clump Form Cornus mas & cvs - Corneliancherry Dogwood	236.86	
32 93 43 00-0100	EA	6'	Clump Form Cornus mas & cvs - Corneliancherry Dogwood	287.62	
32 93 43 00-0101	EA	7'	Clump Form Cornus mas & cvs - Corneliancherry Dogwood	338.37	
32 93 43 00-0102	EA	8'	Clump Form Cornus mas & cvs - Corneliancherry Dogwood	473.72	
32 93 43 00-0103	EA	1-1/2"	Caliper Cornus mas & cvs - Corneliancherry Dogwood	422.97	
32 93 43 00-0104	EA	2"	Caliper Cornus mas & cvs - Corneliancherry Dogwood	507.56	
32 93 43 00-0105	EA	2-1/2"	Caliper Cornus mas & cvs - Corneliancherry Dogwood	592.15	
32 93 43 00-0106	EA	1-1/2"	Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	338.37	
32 93 43 00-0107	EA	2"	Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	422.97	
32 93 43 00-0108	EA	2-1/2"	Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	524.48	
32 93 43 00-0109	EA	3"	Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	592.15	
32 93 43 00-0110	EA	3-1/2"	Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	676.75	
32 93 43 00-0111	EA	4"	Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	761.34	
32 93 43 00-0112	EA	6'	Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	338.37	
32 93 43 00-0113	EA	7'	Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	406.05	
32 93 43 00-0114	EA	8'	Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	473.72	
32 93 43 00-0115	EA	10'	Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	592.15	
32 93 43 00-0116	EA	12'	Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	761.34	
32 93 43 00-0117	EA	1-1/2"	Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	270.70	
32 93 43 00-0118	EA	2"	Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	304.54	
32 93 43 00-0119	EA	2-1/2"	Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	338.37	
32 93 43 00-0120	EA	3"	Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	389.13	
32 93 43 00-0121	EA	3-1/2"	Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	507.56	
32 93 43 00-0122	EA	4"	Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	575.24	
32 93 43 00-0123	EA	6'	Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	236.86	
32 93 43 00-0124	EA	7'	Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	287.62	
32 93 43 00-0125	EA	8'	Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	338.37	
32 93 43 00-0126	EA	10'	Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	422.97	
32 93 43 00-0127	EA	12'	Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	524.48	
32 93 43 00-0128	EA	14'	Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	625.99	
32 93 43 00-0129	EA	16'	Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	727.50	
32 93 43 00-0130	EA	1-1/2"	Caliper Crataegus viridis - Winter King Hawthorn	270.70	
32 93 43 00-0131	EA	2"	Caliper Crataegus viridis - Winter King Hawthorn	304.54	
32 93 43 00-0132	EA	2-1/2"	Caliper Crataegus viridis - Winter King Hawthorn	422.97	
32 93 43 00-0133	EA	3"	Caliper Crataegus viridis - Winter King Hawthorn	558.32	
32 93 43 00-0134	EA	6'	Clump Form Crataegus viridis - Winter King Hawthorn	253.78	
32 93 43 00-0135	EA	7'	Clump Form Crataegus viridis - Winter King Hawthorn	338.37	
32 93 43 00-0136	EA	8'	Clump Form Crataegus viridis - Winter King Hawthorn	422.97	
32 93 43 00-0137	EA	10'	Clump Form Crataegus viridis - Winter King Hawthorn	507.56	
32 93 43 00-0138	EA	4'	Clump Form Hamamelis virginiana - Common Witchhazel	169.19	
32 93 43 00-0139	EA	5'	Clump Form Hamamelis virginiana - Common Witchhazel	219.94	
32 93 43 00-0140	EA	6'	Clump Form Hamamelis virginiana - Common Witchhazel	270.70	
32 93 43 00-0141	EA	7'	Clump Form Hamamelis virginiana - Common Witchhazel	372.21	
32 93 43 00-0142	EA	8'	Clump Form Hamamelis virginiana - Common Witchhazel	507.56	
32 93 43 00-0143	EA	1	Gallon Ilex Cassine - Casine Holly (Dahoon)	9.73	
32 93 43 00-0144	EA	5	Gallon Ilex Cassine - Casine Holly (Dahoon)	31.13	
32 93 43 00-0145	EA	4'	To 5' Ilex Cassine - Casine Holly (Dahoon)	53.51	
32 93 43 00-0146	EA	6'	To 7' Ilex Cassine - Casine Holly (Dahoon)	102.15	
32 93 43 00-0147	EA	8'	To 9' Ilex Cassine - Casine Holly (Dahoon)	136.20	
32 93 43 00-0148	EA	10'	To 12' Ilex Cassine - Casine Holly (Dahoon)	175.11	
32 93 43 00-0149	EA	2'	To 3' Magnolia Virginiana - Sweetbay Magnolia	64.13	
32 93 43 00-0150	EA	3'	To 4' Magnolia Virginiana - Sweetbay Magnolia	96.19	
32 93 43 00-0151	EA	4'	To 5' Magnolia Virginiana - Sweetbay Magnolia	120.24	
32 93 43 00-0152	EA	5'	To 6' Magnolia Virginiana - Sweetbay Magnolia	149.76	
32 93 43 00-0153	EA	4'	Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	253.78	
32 93 43 00-0154	EA	5'	Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	338.37	
32 93 43 00-0155	EA	6'	Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	439.89	
32 93 43 00-0156	EA	7'	Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	490.64	
32 93 43 00-0157	EA	9'	Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	659.83	
32 93 43 00-0158	EA	8'	Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	592.15	
32 93 43 00-0159	EA	4'	Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	253.78	
32 93 43 00-0160	EA	5'	Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	338.37	
32 93 43 00-0161	EA	6'	Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	439.89	
32 93 43 00-0162	EA	7'	Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	490.64	
32 93 43 00-0163	EA	8'	Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	592.15	
32 93 43 00-0164	EA	9'	Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	659.83	
32 93 43 00-0165	EA	4'	Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	253.78	
32 93 43 00-0166	EA	5'	Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	338.37	
32 93 43 00-0167	EA	6'	Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	439.89	
32 93 43 00-0168	EA	7'	Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	490.64	
32 93 43 00-0169	EA	8'	Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	592.15	
32 93 43 00-0170	EA	9'	Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	659.83	
32 93 43 00-0171	EA	4'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	253.78	
32 93 43 00-0172	EA	5'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	338.37	
32 93 43 00-0173	EA	6'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	439.89	
32 93 43 00-0174	EA	7'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	490.64	
32 93 43 00-0175	EA	8'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	592.15	
32 93 43 00-0176	EA	9'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	659.83	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0177	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	253.78
32 93 43 00-0178	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	338.37
32 93 43 00-0179	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	439.89
32 93 43 00-0180	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	490.64
32 93 43 00-0181	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	592.15
32 93 43 00-0182	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	659.83
32 93 43 00-0183	EA	5 Gallon Malus - Crabapple	68.71
32 93 43 00-0184	EA	15 Gallon Malus - Crabapple	175.20
32 93 43 00-0185	EA	20 Gallon Malus - Crabapple	206.12
32 93 43 00-0186	EA	1-1/2" Caliper Malus cvs - Crabapple Varieties	203.02
32 93 43 00-0187	EA	2" Caliper Malus cvs - Crabapple Varieties	270.70
32 93 43 00-0188	EA	2-1/2" Caliper Malus cvs - Crabapple Varieties	338.37
32 93 43 00-0189	EA	3" Caliper Malus cvs - Crabapple Varieties	406.05
32 93 43 00-0190	EA	3-1/2" Caliper Malus cvs - Crabapple Varieties	473.72
32 93 43 00-0191	EA	4" Caliper Malus cvs - Crabapple Varieties	541.40
32 93 43 00-0192	EA	6' Clump Form Malus cvs - Crabapple Varieties	304.54
32 93 43 00-0193	EA	7' Clump Form Malus cvs - Crabapple Varieties	338.37
32 93 43 00-0194	EA	8' Clump Form Malus cvs - Crabapple Varieties	422.97
32 93 43 00-0195	EA	10' Clump Form Malus cvs - Crabapple Varieties	473.72
32 93 43 00-0196	EA	12' Clump Form Malus cvs - Crabapple Varieties	609.07
32 93 43 00-0197	EA	1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	338.37
32 93 43 00-0198	EA	2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	422.97
32 93 43 00-0199	EA	4' Clump Form Malus dwarf cvs - Dwarf Crabapple	253.78
32 93 43 00-0200	EA	5' Clump Form Malus dwarf cvs - Dwarf Crabapple	321.46
32 93 43 00-0201	EA	6' Clump Form Malus dwarf cvs - Dwarf Crabapple	389.13
32 93 43 00-0202	EA	7' Clump Form Malus dwarf cvs - Dwarf Crabapple	439.89
32 93 43 00-0203	EA	8' Clump Form Malus dwarf cvs - Dwarf Crabapple	490.64
32 93 43 00-0204	EA	9' Clump Form Malus dwarf cvs - Dwarf Crabapple	541.40
32 93 43 00-0205	EA	4' To 5' Oxydendrum arboreum - Sourwood	155.23
32 93 43 00-0206	EA	5' To 6' Oxydendrum arboreum - Sourwood	194.03
32 93 43 00-0207	EA	6' To 7' Oxydendrum arboreum - Sourwood	232.84
32 93 43 00-0208	EA	7' To 8' Oxydendrum arboreum - Sourwood	271.65
32 93 43 00-0209	EA	20 Gallon Prunus subhirtella - Flowering Cherry	237.93
32 93 43 00-0210	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	245.94
32 93 43 00-0211	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	307.40
32 93 43 00-0212	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	641.51
32 93 43 00-0213	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	494.43
32 93 43 00-0214	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	962.27
32 93 43 00-0215	EA	4' To 6' Prunus - Pigeon Plum	97.28
32 93 43 00-0216	EA	8' To 10' Prunus - Pigeon Plum	330.76
32 93 43 00-0217	EA	10' To 12' Prunus - Pigeon Plum	420.26
32 93 43 00-0218	EA	14' To 16' Prunus - Pigeon Plum	661.52
32 93 43 00-0219	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	61.46
32 93 43 00-0220	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	168.33
32 93 43 00-0221	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	219.23
32 93 43 00-0222	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	69.47
32 93 43 00-0223	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	133.60
32 93 43 00-0224	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	245.94
32 93 43 00-0225	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	294.04
32 93 43 00-0226	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	192.51
32 93 43 00-0227	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	160.31
32 93 43 00-0228	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	235.13
32 93 43 00-0229	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	280.68
32 93 43 00-0230	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	360.84
32 93 43 00-0231	EA	6' To 8' Prunus yedoensis - Yoshino Cherry	139.07
32 93 43 00-0232	EA	1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	213.88
32 93 43 00-0233	EA	2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	261.85
32 93 43 00-0234	EA	2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry	334.12
32 93 43 00-0235	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	185.76
32 93 43 00-0236	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	232.20
32 93 43 00-0237	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	241.49
32 93 43 00-0238	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	287.93
32 93 43 00-0239	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	390.10
32 93 43 00-0240	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	510.85
32 93 43 00-0241	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	650.16
32 93 43 00-0242	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	185.76
32 93 43 00-0243	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	232.20
32 93 43 00-0244	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	157.90
32 93 43 00-0245	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	241.49
32 93 43 00-0246	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	287.68
32 93 43 00-0247	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	390.10
32 93 43 00-0248	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	510.85
32 93 43 00-0249	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	338.37
32 93 43 00-0250	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	422.97
32 93 43 00-0251	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	524.48
32 93 43 00-0252	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	592.15
32 93 43 00-0253	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	659.83
32 93 43 00-0254	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	845.93
32 93 43 00-0255	EA	1-3/4" Caliper Sophora japonica - Japanese Pagoda	452.39
32 93 43 00-0256	EA	2" Caliper Sophora japonica - Japanese Pagoda	508.94
32 93 43 00-0257	EA	2-1/2" Caliper Sophora japonica - Japanese Pagoda	593.76
32 93 43 00-0258	EA	3" Caliper Sophora japonica - Japanese Pagoda	868.42
32 93 43 00-0259	EA	3-1/2" Caliper Sophora japonica - Japanese Pagoda	1,312.73
32 93 43 00-0260	EA	1-1/2" Caliper Sorbus alnifolia - Korean Mountainash	338.37
32 93 43 00-0261	EA	2" Caliper Sorbus alnifolia - Korean Mountainash	422.97

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

32 93 43 00-0262	EA	2-1/2"	Caliper Sorbus alnifolia - Korean Mountainash	524.88	
32 93 43 00-0263	EA	3"	Caliper Sorbus alnifolia - Korean Mountainash	642.91	
32 93 43 00-0264	EA	3-1/2"	Caliper Sorbus alnifolia - Korean Mountainash	778.26	
32 93 43 00-0265	EA	4"	Caliper Sorbus alnifolia - Korean Mountainash	930.53	
32 93 43 00-0266	EA	1-1/2"	Caliper Syringa reticulata & cvs - Japanese Tree Lilac	439.89	
32 93 43 00-0267	EA	2"	Caliper Syringa reticulata & cvs - Japanese Tree Lilac	473.72	
32 93 43 00-0268	EA	2-1/2"	Caliper Syringa reticulata & cvs - Japanese Tree Lilac	575.24	
32 93 43 00-0269	EA	4'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	270.70	
32 93 43 00-0270	EA	5'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	321.46	
32 93 43 00-0271	EA	6'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	372.21	
32 93 43 00-0272	EA	7'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	422.97	
32 93 43 00-0273	EA	8'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	490.64	
32 93 43 00-0274	EA	10'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	625.99	
32 93 43 00-0275	EA	12'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	710.59	
32 93 43 00-0276	EA	14'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	812.10	

32 93 43 00-0277

Shade Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0278	EA	3-1/2" To 4"	Caliper Acer palmatum - Bloodgood Japanese Maple	209.62	
32 93 43 00-0279	EA	4" To 4-1/2"	Caliper Acer palmatum - Bloodgood Japanese Maple	256.96	
32 93 43 00-0280	EA	4-1/2" To 5"	Caliper Acer palmatum - Bloodgood Japanese Maple	334.72	
32 93 43 00-0281	EA	5" To 6"	Caliper Acer palmatum - Bloodgood Japanese Maple	433.90	
32 93 43 00-0282	EA	2'	To 2-1/2' Acer palmatum - Japanese Maple	22.11	
32 93 43 00-0283	EA	4'	To 5' Acer palmatum - Japanese Maple	46.43	
32 93 43 00-0284	EA	5'	To 6' Acer palmatum - Japanese Maple	60.80	
32 93 43 00-0285	EA	6'	To 7' Acer palmatum - Japanese Maple	110.55	
32 93 43 00-0286	EA	7'	To 8' Acer palmatum - Japanese Maple	154.77	
32 93 43 00-0287	EA	8'	To 10' Acer palmatum - Japanese Maple	198.99	
32 93 43 00-0288	EA	10'	To 12' Acer palmatum - Japanese Maple	265.32	
32 93 43 00-0289	EA	2"	Caliper Acer platanoides & cvs - Norway Maple	112.70	
32 93 43 00-0290	EA	2"	Caliper Acer platanoides & cvs - Norway Maple	137.20	
32 93 43 00-0291	EA	3"	Caliper Acer platanoides & cvs - Norway Maple	176.40	
32 93 43 00-0292	EA	3-1/2"	Caliper Acer platanoides & cvs - Norway Maple	205.80	
32 93 43 00-0293	EA	4"	Caliper Acer platanoides & cvs - Norway Maple	220.50	
32 93 43 00-0294	EA	4-1/2"	Caliper Acer platanoides & cvs - Norway Maple	240.10	
32 93 43 00-0295	EA	5"	Caliper Acer platanoides & cvs - Norway Maple	269.50	
32 93 43 00-0296	EA	2"	Caliper Acer rubrum & cvs - Red Maple	107.80	
32 93 43 00-0297	EA	2-1/2"	Caliper Acer rubrum & cvs - Red Maple	137.20	
32 93 43 00-0298	EA	3"	Caliper Acer rubrum & cvs - Red Maple	176.40	
32 93 43 00-0299	EA	3-1/2"	Caliper Acer rubrum & cvs - Red Maple	215.60	
32 93 43 00-0300	EA	4"	Caliper Acer rubrum & cvs - Red Maple	245.00	
32 93 43 00-0301	EA	4-1/2"	Caliper Acer rubrum & cvs - Red Maple	284.20	
32 93 43 00-0302	EA	5"	Caliper Acer rubrum & cvs - Red Maple	318.50	
32 93 43 00-0303	EA	8'	Clump Form Acer rubrum & cvs - Red Maple	132.30	
32 93 43 00-0304	EA	10'	Clump Form Acer rubrum & cvs - Red Maple	176.40	
32 93 43 00-0305	EA	12'	Clump Form Acer rubrum & cvs - Red Maple	205.80	
32 93 43 00-0306	EA	14'	Clump Form Acer rubrum & cvs - Red Maple	235.20	
32 93 43 00-0307	EA	16'	Clump Form Acer rubrum & cvs - Red Maple	264.60	
32 93 43 00-0308	EA	18'	Clump Form Acer rubrum & cvs - Red Maple	294.00	
32 93 43 00-0309	EA	2"	Caliper Acer saccharinum & cvs - Silver Maple	88.20	
32 93 43 00-0310	EA	2-1/2"	Caliper Acer saccharinum & cvs - Silver Maple	117.60	
32 93 43 00-0311	EA	3"	Caliper Acer saccharinum & cvs - Silver Maple	147.00	
32 93 43 00-0312	EA	3-1/2"	Caliper Acer saccharinum & cvs - Silver Maple	176.40	
32 93 43 00-0313	EA	4"	Caliper Acer saccharinum & cvs - Silver Maple	205.80	
32 93 43 00-0314	EA	4-1/2"	Caliper Acer saccharinum & cvs - Silver Maple	235.20	
32 93 43 00-0315	EA	5"	Caliper Acer saccharinum & cvs - Silver Maple	264.60	
32 93 43 00-0316	EA	2"	Caliper Acer saccharum & cvs - Sugar Maple	107.80	
32 93 43 00-0317	EA	2-1/2"	Caliper Acer saccharum & cvs - Sugar Maple	142.10	
32 93 43 00-0318	EA	3"	Caliper Acer saccharum & cvs - Sugar Maple	171.50	
32 93 43 00-0319	EA	3-1/2"	Caliper Acer saccharum & cvs - Sugar Maple	196.00	
32 93 43 00-0320	EA	4"	Caliper Acer saccharum & cvs - Sugar Maple	230.30	
32 93 43 00-0321	EA	4-1/2"	Caliper Acer saccharum & cvs - Sugar Maple	264.60	
32 93 43 00-0322	EA	5"	Caliper Acer saccharum & cvs - Sugar Maple	294.00	
32 93 43 00-0323	EA	10'	Clump Form Acer saccharum & cvs - Sugar Maple	196.00	
32 93 43 00-0324	EA	12'	Clump Form Acer saccharum & cvs - Sugar Maple	230.30	
32 93 43 00-0325	EA	14'	Clump Form Acer saccharum & cvs - Sugar Maple	269.50	
32 93 43 00-0326	EA	16'	Clump Form Acer saccharum & cvs - Sugar Maple	298.90	
32 93 43 00-0327	EA	18'	Clump Form Acer saccharum & cvs - Sugar Maple	362.60	
32 93 43 00-0328	EA	20'	Clump Form Acer saccharum & cvs - Sugar Maple	392.00	
32 93 43 00-0329	EA	2"	Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	122.50	
32 93 43 00-0330	EA	2-1/2"	Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	151.90	
32 93 43 00-0331	EA	3"	Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	186.20	
32 93 43 00-0332	EA	3-1/2"	Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	215.60	
32 93 43 00-0333	EA	4"	Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	235.20	
32 93 43 00-0334	EA	4-1/2"	Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	259.70	
32 93 43 00-0335	EA	5"	Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	289.10	
32 93 43 00-0336	EA	10'	Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	176.40	
32 93 43 00-0337	EA	12'	Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	233.24	
32 93 43 00-0338	EA	14'	Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	271.46	
32 93 43 00-0339	EA	16'	Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	298.90	
32 93 43 00-0340	EA	18'	Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	362.60	
32 93 43 00-0341	EA	20'	Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	392.00	
32 93 43 00-0342	EA	2"	Caliper Aesculus glabra - Ohio Buckeye	132.30	
32 93 43 00-0343	EA	2-1/2"	Caliper Aesculus glabra - Ohio Buckeye	156.80	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0344	EA	3" Caliper Aesculus glabra - Ohio Buckeye	186.20	
32 93 43 00-0345	EA	3-1/2" Caliper Aesculus glabra - Ohio Buckeye	205.80	
32 93 43 00-0346	EA	4" Caliper Aesculus glabra - Ohio Buckeye	225.40	
32 93 43 00-0347	EA	4-1/2" Caliper Aesculus glabra - Ohio Buckeye	254.80	
32 93 43 00-0348	EA	5" Caliper Aesculus glabra - Ohio Buckeye	294.00	
32 93 43 00-0349	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	171.50	
32 93 43 00-0350	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	191.10	
32 93 43 00-0351	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	215.60	
32 93 43 00-0352	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	245.00	
32 93 43 00-0353	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	294.00	
32 93 43 00-0354	EA	2" Caliper Aesculus x carnea - Red Horsechestnut	171.50	
32 93 43 00-0355	EA	2-1/2" Caliper Aesculus x carnea - Red Horsechestnut	191.10	
32 93 43 00-0356	EA	3" Caliper Aesculus x carnea - Red Horsechestnut	215.60	
32 93 43 00-0357	EA	3-1/2" Caliper Aesculus x carnea - Red Horsechestnut	245.00	
32 93 43 00-0358	EA	4" Caliper Aesculus x carnea - Red Horsechestnut	294.00	
32 93 43 00-0359	EA	2" Caliper Alnus glutinosa - Common Alder, Black Alder	122.50	
32 93 43 00-0360	EA	2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	142.10	
32 93 43 00-0361	EA	3" Caliper Alnus glutinosa - Common Alder, Black Alder	161.70	
32 93 43 00-0362	EA	3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	186.20	
32 93 43 00-0363	EA	8' Clump Form Alnus glutinosa - Common Alder, Black Alder	127.40	
32 93 43 00-0364	EA	10' Clump Form Alnus glutinosa - Common Alder, Black Alder	156.80	
32 93 43 00-0365	EA	12' Clump Form Alnus glutinosa - Common Alder, Black Alder	176.40	
32 93 43 00-0366	EA	14' Clump Form Alnus glutinosa - Common Alder, Black Alder	196.00	
32 93 43 00-0367	EA	16' Clump Form Alnus glutinosa - Common Alder, Black Alder	220.50	
32 93 43 00-0368	EA	18' Clump Form Alnus glutinosa - Common Alder, Black Alder	245.00	
32 93 43 00-0369	EA	2" Caliper Betula nigra - River Birch	122.50	
32 93 43 00-0370	EA	2-1/2" Caliper Betula nigra - River Birch	138.72	
32 93 43 00-0371	EA	3" Caliper Betula nigra - River Birch	156.80	
32 93 43 00-0372	EA	3-1/2" Caliper Betula nigra - River Birch	196.00	
32 93 43 00-0373	EA	4" Caliper Betula nigra - River Birch	220.50	
32 93 43 00-0374	EA	4-1/2" Caliper Betula nigra - River Birch	245.00	
32 93 43 00-0375	EA	5" Caliper Betula nigra - River Birch	269.50	
32 93 43 00-0376	EA	8' Clump Form Betula nigra - River Birch	112.70	
32 93 43 00-0377	EA	10' Clump Form Betula nigra - River Birch	127.40	
32 93 43 00-0378	EA	12' Clump Form Betula nigra - River Birch	147.00	
32 93 43 00-0379	EA	14' Clump Form Betula nigra - River Birch	171.50	
32 93 43 00-0380	EA	16' Clump Form Betula nigra - River Birch	196.00	
32 93 43 00-0381	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	147.00	
32 93 43 00-0382	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	176.40	
32 93 43 00-0383	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	205.80	
32 93 43 00-0384	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	245.00	
32 93 43 00-0385	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	254.80	
32 93 43 00-0386	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	196.00	
32 93 43 00-0387	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	220.50	
32 93 43 00-0388	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	254.80	
32 93 43 00-0389	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	308.70	
32 93 43 00-0390	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	88.20	
32 93 43 00-0391	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	122.50	
32 93 43 00-0392	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	151.90	
32 93 43 00-0393	EA	2" Caliper Catalpa speciosa - Northern Catalpa	107.80	
32 93 43 00-0394	EA	2-1/2" Caliper Catalpa speciosa - Northern Catalpa	147.00	
32 93 43 00-0395	EA	3" Caliper Catalpa speciosa - Northern Catalpa	191.10	
32 93 43 00-0396	EA	3-1/2" Caliper Catalpa speciosa - Northern Catalpa	230.30	
32 93 43 00-0397	EA	4" Caliper Catalpa speciosa - Northern Catalpa	264.60	
32 93 43 00-0398	EA	2" Caliper Celtis occidentalis & cvs - Common Hackberry	137.20	
32 93 43 00-0399	EA	2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	156.80	
32 93 43 00-0400	EA	3" Caliper Celtis occidentalis & cvs - Common Hackberry	191.10	
32 93 43 00-0401	EA	3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	225.40	
32 93 43 00-0402	EA	4" Caliper Celtis occidentalis & cvs - Common Hackberry	259.70	
32 93 43 00-0403	EA	4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	294.00	
32 93 43 00-0404	EA	3" Caliper Cercidiphyllum japonicum - Katsuratree	171.50	
32 93 43 00-0405	EA	3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree	196.00	
32 93 43 00-0406	EA	4" Caliper Cercidiphyllum japonicum - Katsuratree	230.30	
32 93 43 00-0407	EA	5" Caliper Cercidiphyllum japonicum - Katsuratree	274.40	
32 93 43 00-0408	EA	6' Clump Form Cercidiphyllum japonicum - Katsuratree	137.20	
32 93 43 00-0409	EA	7' Clump Form Cercidiphyllum japonicum - Katsuratree	161.70	
32 93 43 00-0410	EA	8' Clump Form Cercidiphyllum japonicum - Katsuratree	196.00	
32 93 43 00-0411	EA	10' Clump Form Cercidiphyllum japonicum - Katsuratree	245.00	
32 93 43 00-0412	EA	12' Clump Form Cercidiphyllum japonicum - Katsuratree	294.00	
32 93 43 00-0413	EA	2" Caliper Cladrastus lutea - American Yellowwood	245.00	
32 93 43 00-0414	EA	2-1/2" Caliper Cladrastus lutea - American Yellowwood	294.00	
32 93 43 00-0415	EA	3" Caliper Cladrastus lutea - American Yellowwood	343.00	
32 93 43 00-0416	EA	3-1/2" Caliper Cladrastus lutea - American Yellowwood	392.00	
32 93 43 00-0417	EA	2" Caliper Corylus colurna - Turkish Filbert	151.90	
32 93 43 00-0418	EA	2-1/2" Caliper Corylus colurna - Turkish Filbert	171.50	
32 93 43 00-0419	EA	3" Caliper Corylus colurna - Turkish Filbert	196.00	
32 93 43 00-0420	EA	3-1/2" Caliper Corylus colurna - Turkish Filbert	225.40	
32 93 43 00-0421	EA	4" Caliper Corylus colurna - Turkish Filbert	269.50	
32 93 43 00-0422	EA	4-1/2" Caliper Corylus colurna - Turkish Filbert	313.60	
32 93 43 00-0423	EA	5" Caliper Corylus colurna - Turkish Filbert	357.70	
32 93 43 00-0424	EA	8' Clump Form Corylus colurna - Turkish Filbert	137.20	
32 93 43 00-0425	EA	10' Clump Form Corylus colurna - Turkish Filbert	166.60	
32 93 43 00-0426	EA	12' Clump Form Corylus colurna - Turkish Filbert	196.00	
32 93 43 00-0427	EA	14' Clump Form Corylus colurna - Turkish Filbert	220.50	
32 93 43 00-0428	EA	16' Clump Form Corylus colurna - Turkish Filbert	245.00	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 93 43 00-0429	EA	1-1/2" Caliper Diospyros virginiana - Common Persimmon		88.20	
32 93 43 00-0430	EA	2" Caliper Diospyros virginiana - Common Persimmon		107.80	
32 93 43 00-0431	EA	2-1/2" Caliper Diospyros virginiana - Common Persimmon		137.20	
32 93 43 00-0432	EA	3" Caliper Diospyros virginiana - Common Persimmon		171.50	
32 93 43 00-0433	EA	3-1/2" Caliper Diospyros virginiana - Common Persimmon		205.80	
32 93 43 00-0434	EA	1-1/2" Caliper Fagus grandifolia - American Beech		196.00	
32 93 43 00-0435	EA	2" Caliper Fagus grandifolia - American Beech		254.80	
32 93 43 00-0436	EA	2-1/2" Caliper Fagus grandifolia - American Beech		323.40	
32 93 43 00-0437	EA	3" Caliper Fagus grandifolia - American Beech		392.00	
32 93 43 00-0438	EA	3-1/2" Caliper Fagus grandifolia - American Beech		465.50	
32 93 43 00-0439	EA	2" Caliper Fagus sylvatica & cvs - European Beech		220.50	
32 93 43 00-0440	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech		264.60	
32 93 43 00-0441	EA	3" Caliper Fagus sylvatica & cvs - European Beech		318.50	
32 93 43 00-0442	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech		352.80	
32 93 43 00-0443	EA	4" Caliper Fagus sylvatica & cvs - European Beech		416.50	
32 93 43 00-0444	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech		539.00	
32 93 43 00-0445	EA	5" Caliper Fagus sylvatica & cvs - European Beech		637.00	
32 93 43 00-0446	EA	2" Caliper Fraxinus americana & cvs - White Ash		122.50	
32 93 43 00-0447	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash		147.00	
32 93 43 00-0448	EA	3" Caliper Fraxinus americana & cvs - White Ash		186.20	
32 93 43 00-0449	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash		225.40	
32 93 43 00-0450	EA	4" Caliper Fraxinus americana & cvs - White Ash		264.60	
32 93 43 00-0451	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash		294.00	
32 93 43 00-0452	EA	5" Caliper Fraxinus americana & cvs - White Ash		343.00	
32 93 43 00-0453	EA	2" Caliper Fraxinus pennsylvanica & cvs - Green Ash		107.80	
32 93 43 00-0454	EA	2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash		127.40	
32 93 43 00-0455	EA	3" Caliper Fraxinus pennsylvanica & cvs - Green Ash		171.50	
32 93 43 00-0456	EA	3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash		205.80	
32 93 43 00-0457	EA	4" Caliper Fraxinus pennsylvanica & cvs - Green Ash		245.00	
32 93 43 00-0458	EA	4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash		264.60	
32 93 43 00-0459	EA	5" Caliper Fraxinus pennsylvanica & cvs - Green Ash		294.00	
32 93 43 00-0460	EA	1-1/2" Caliper Fraxinus quadrangulata - Blue Ash		147.00	
32 93 43 00-0461	EA	2" Caliper Fraxinus quadrangulata - Blue Ash		181.30	
32 93 43 00-0462	EA	2-1/2" Caliper Fraxinus quadrangulata - Blue Ash		220.50	
32 93 43 00-0463	EA	3" Caliper Fraxinus quadrangulata - Blue Ash		269.50	
32 93 43 00-0464	EA	3-1/2" Caliper Fraxinus quadrangulata - Blue Ash		318.50	
32 93 43 00-0465	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		171.50	
32 93 43 00-0466	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		191.10	
32 93 43 00-0467	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		215.60	
32 93 43 00-0468	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		240.10	
32 93 43 00-0469	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		269.50	
32 93 43 00-0470	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		294.00	
32 93 43 00-0471	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		441.00	
32 93 43 00-0472	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		490.00	
32 93 43 00-0473	EA	2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		117.60	
32 93 43 00-0474	EA	2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		147.00	
32 93 43 00-0475	EA	3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		176.40	
32 93 43 00-0476	EA	3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		205.80	
32 93 43 00-0477	EA	4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		235.20	
32 93 43 00-0478	EA	4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		264.60	
32 93 43 00-0479	EA	5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		313.60	
32 93 43 00-0480	EA	10' - 12' Bursera Simaruba - Gumbo Limbo		61.98	
32 93 43 00-0481	EA	12' - 14' Bursera Simaruba - Gumbo Limbo		73.26	
32 93 43 00-0482	EA	14' - 16' Bursera Simaruba - Gumbo Limbo		101.43	
32 93 43 00-0483	EA	17' - 18' Bursera Simaruba - Gumbo Limbo		131.86	
32 93 43 00-0484	EA	19' - 20' Bursera Simaruba - Gumbo Limbo		146.51	
32 93 43 00-0485	EA	21' - 22' Bursera Simaruba - Gumbo Limbo		173.56	
32 93 43 00-0486	EA	2" Caliper Gymnocladus dioicus - Kentucky Coffeetree		151.90	
32 93 43 00-0487	EA	2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree		186.20	
32 93 43 00-0488	EA	3" Caliper Gymnocladus dioicus - Kentucky Coffeetree		220.50	
32 93 43 00-0489	EA	3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree		259.70	
32 93 43 00-0490	EA	4" Caliper Gymnocladus dioicus - Kentucky Coffeetree		294.00	
32 93 43 00-0491	EA	4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree		328.30	
32 93 43 00-0492	EA	5" Caliper Gymnocladus dioicus - Kentucky Coffeetree		367.50	
32 93 43 00-0493	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree		75.84	
32 93 43 00-0494	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree		92.90	
32 93 43 00-0495	EA	2-1/2" To 3" Caliper Zelkova serrata - Japanese Keaki Tree		117.70	
32 93 43 00-0496	EA	1-1/2" Caliper Juglans cinerea - Butternut		117.60	
32 93 43 00-0497	EA	2" Caliper Juglans cinerea - Butternut		137.20	
32 93 43 00-0498	EA	2-1/2" Caliper Juglans cinerea - Butternut		171.50	
32 93 43 00-0499	EA	3" Caliper Juglans cinerea - Butternut		215.60	
32 93 43 00-0500	EA	3-1/2" Caliper Juglans cinerea - Butternut		264.60	
32 93 43 00-0501	EA	1-1/2" Caliper Juglans nigra - Black Walnut		117.60	
32 93 43 00-0502	EA	2" Caliper Juglans nigra - Black Walnut		137.20	
32 93 43 00-0503	EA	2-1/2" Caliper Juglans nigra - Black Walnut		171.50	
32 93 43 00-0504	EA	3" Caliper Juglans nigra - Black Walnut		215.60	
32 93 43 00-0505	EA	3-1/2" Caliper Juglans nigra - Black Walnut		264.60	
32 93 43 00-0506	EA	4" Caliper Juglans nigra - Black Walnut		318.50	
32 93 43 00-0507	EA	4-1/2" Caliper Juglans nigra - Black Walnut		367.50	
32 93 43 00-0508	EA	5" Caliper Juglans nigra - Black Walnut		416.50	
32 93 43 00-0509	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree		13.27	
32 93 43 00-0510	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree		33.16	
32 93 43 00-0511	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree		66.33	
32 93 43 00-0512	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree		86.23	
32 93 43 00-0513	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree		63.01	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0514	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	76.28	
32 93 43 00-0515	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	106.13	
32 93 43 00-0516	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum.....	156.80	
32 93 43 00-0517	EA	2" Caliper Liquidambar styraciflua - American Sweetgum.....	196.00	
32 93 43 00-0518	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum.....	245.00	
32 93 43 00-0519	EA	3" Caliper Liquidambar styraciflua - American Sweetgum.....	294.00	
32 93 43 00-0520	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum.....	343.00	
32 93 43 00-0521	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree.....	156.80	
32 93 43 00-0522	EA	2" Caliper Liriodendron tulipifera - Tulip Tree.....	215.60	
32 93 43 00-0523	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree.....	254.80	
32 93 43 00-0524	EA	3" Caliper Liriodendron tulipifera - Tulip Tree.....	294.00	
32 93 43 00-0525	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree.....	333.20	
32 93 43 00-0526	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree.....	117.60	
32 93 43 00-0527	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree.....	210.70	
32 93 43 00-0528	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree.....	254.80	
32 93 43 00-0529	EA	10' To 12' Swietenia Mahagoni - Mahogany.....	86.78	
32 93 43 00-0530	EA	12' To 14' Swietenia Mahagoni - Mahogany.....	101.43	
32 93 43 00-0531	EA	14' To 16' Swietenia Mahagoni - Mahogany.....	135.24	
32 93 43 00-0532	EA	16' To 18' Swietenia Mahagoni - Mahogany.....	152.14	
32 93 43 00-0533	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	156.80	
32 93 43 00-0534	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	196.00	
32 93 43 00-0535	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	245.00	
32 93 43 00-0536	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	294.00	
32 93 43 00-0537	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	343.00	
32 93 43 00-0538	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	68.60	
32 93 43 00-0539	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	78.40	
32 93 43 00-0540	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	93.10	
32 93 43 00-0541	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	117.60	
32 93 43 00-0542	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	147.00	
32 93 43 00-0543	EA	2" Caliper Ostrya virginiana - American Hophornbeam.....	127.40	
32 93 43 00-0544	EA	2-1/2" Caliper Ostrya virginiana - American Hophornbeam.....	161.70	
32 93 43 00-0545	EA	3" Caliper Ostrya virginiana - American Hophornbeam.....	196.00	
32 93 43 00-0546	EA	3-1/2" Caliper Ostrya virginiana - American Hophornbeam.....	230.30	
32 93 43 00-0547	EA	4" Caliper Ostrya virginiana - American Hophornbeam.....	279.30	
32 93 43 00-0548	EA	2" Caliper Phellodendron amurense - Amur Corktree.....	98.00	
32 93 43 00-0549	EA	2-1/2" Caliper Phellodendron amurense - Amur Corktree.....	122.50	
32 93 43 00-0550	EA	3" Caliper Phellodendron amurense - Amur Corktree.....	147.00	
32 93 43 00-0551	EA	3-1/2" Caliper Phellodendron amurense - Amur Corktree.....	171.50	
32 93 43 00-0552	EA	4" Caliper Phellodendron amurense - Amur Corktree.....	196.00	
32 93 43 00-0553	EA	4-1/2" Caliper Phellodendron amurense - Amur Corktree.....	220.50	
32 93 43 00-0554	EA	5" Caliper Phellodendron amurense - Amur Corktree.....	245.00	
32 93 43 00-0555	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore.....	212.88	
32 93 43 00-0556	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore.....	309.65	
32 93 43 00-0557	EA	42" Box Platanus occidentalis - Buttonwood Sycamore.....	460.62	
32 93 43 00-0558	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	71.23	
32 93 43 00-0559	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	85.16	
32 93 43 00-0560	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore.....	116.11	
32 93 43 00-0561	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	140.91	
32 93 43 00-0562	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood.....	58.60	
32 93 43 00-0563	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood.....	73.26	
32 93 43 00-0564	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood.....	129.60	
32 93 43 00-0565	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood.....	185.96	
32 93 43 00-0566	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree.....	117.60	
32 93 43 00-0567	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree.....	142.10	
32 93 43 00-0568	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree.....	171.50	
32 93 43 00-0569	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree.....	205.80	
32 93 43 00-0570	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree.....	245.00	
32 93 43 00-0571	EA	2" Caliper Populus alba & cvs - White Poplar.....	117.60	
32 93 43 00-0572	EA	2-1/2" Caliper Populus alba & cvs - White Poplar.....	137.20	
32 93 43 00-0573	EA	3" Caliper Populus alba & cvs - White Poplar.....	156.80	
32 93 43 00-0574	EA	3-1/2" Caliper Populus alba & cvs - White Poplar.....	186.20	
32 93 43 00-0575	EA	4" Caliper Populus alba & cvs - White Poplar.....	205.80	
32 93 43 00-0576	EA	4-1/2" Caliper Populus alba & cvs - White Poplar.....	235.20	
32 93 43 00-0577	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	107.80	
32 93 43 00-0578	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	142.10	
32 93 43 00-0579	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	171.50	
32 93 43 00-0580	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	205.80	
32 93 43 00-0581	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	245.00	
32 93 43 00-0582	EA	6' To 8' Quercus acutissima - Sawtooth Oak.....	36.85	
32 93 43 00-0583	EA	8' To 10' Quercus acutissima - Sawtooth Oak.....	55.27	
32 93 43 00-0584	EA	10' To 12' Quercus acutissima - Sawtooth Oak.....	64.49	
32 93 43 00-0585	EA	1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak.....	73.70	
32 93 43 00-0586	EA	2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak.....	82.91	
32 93 43 00-0587	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak.....	291.85	
32 93 43 00-0588	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak.....	393.32	
32 93 43 00-0589	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak.....	531.94	
32 93 43 00-0590	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak.....	710.01	
32 93 43 00-0591	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak.....	856.52	
32 93 43 00-0592	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak.....	946.68	
32 93 43 00-0593	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak.....	1,273.51	
32 93 43 00-0594	EA	6-1/2" To 7" Caliper Quercus virginiana - Live Oak.....	1,600.34	
32 93 43 00-0595	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak.....	1,927.17	
32 93 43 00-0596	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak.....	2,338.52	
32 93 43 00-0597	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak.....	2,749.88	
32 93 43 00-0598	EA	2" Caliper Quercus alba - White Oak.....	147.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0599	EA	2-1/2"	Caliper Quercus alba - White Oak.....	171.50	
32 93 43 00-0600	EA	3"	Caliper Quercus alba - White Oak.....	215.60	
32 93 43 00-0601	EA	3-1/2"	Caliper Quercus alba - White Oak.....	269.50	
32 93 43 00-0602	EA	4"	Caliper Quercus alba - White Oak.....	318.50	
32 93 43 00-0603	EA	4-1/2"	Caliper Quercus alba - White Oak.....	392.00	
32 93 43 00-0604	EA	5"	Caliper Quercus alba - White Oak.....	465.50	
32 93 43 00-0605	EA	2"	Caliper Quercus bicolor - Swamp White Oak.....	171.50	
32 93 43 00-0606	EA	2-1/2"	Caliper Quercus bicolor - Swamp White Oak.....	196.00	
32 93 43 00-0607	EA	3"	Caliper Quercus bicolor - Swamp White Oak.....	225.40	
32 93 43 00-0608	EA	3-1/2"	Caliper Quercus bicolor - Swamp White Oak.....	249.90	
32 93 43 00-0609	EA	4"	Caliper Quercus bicolor - Swamp White Oak.....	284.20	
32 93 43 00-0610	EA	4-1/2"	Caliper Quercus bicolor - Swamp White Oak.....	313.60	
32 93 43 00-0611	EA	5"	Caliper Quercus bicolor - Swamp White Oak.....	352.80	
32 93 43 00-0612	EA	10'	Clump Form Quercus bicolor - Swamp White Oak.....	245.00	
32 93 43 00-0613	EA	12'	Clump Form Quercus bicolor - Swamp White Oak.....	294.00	
32 93 43 00-0614	EA	14'	Clump Form Quercus bicolor - Swamp White Oak.....	343.00	
32 93 43 00-0615	EA	16'	Clump Form Quercus bicolor - Swamp White Oak.....	392.00	
32 93 43 00-0616	EA	2"	Caliper Quercus coccinea - Scarlet Oak.....	127.40	
32 93 43 00-0617	EA	2-1/2"	Caliper Quercus coccinea - Scarlet Oak.....	161.70	
32 93 43 00-0618	EA	3"	Caliper Quercus coccinea - Scarlet Oak.....	200.90	
32 93 43 00-0619	EA	3-1/2"	Caliper Quercus coccinea - Scarlet Oak.....	245.00	
32 93 43 00-0620	EA	4"	Caliper Quercus coccinea - Scarlet Oak.....	294.00	
32 93 43 00-0621	EA	4-1/2"	Caliper Quercus coccinea - Scarlet Oak.....	347.90	
32 93 43 00-0622	EA	5"	Caliper Quercus coccinea - Scarlet Oak.....	406.70	
32 93 43 00-0623	EA	1-1/2"	Caliper Quercus imbricaria - Shingle Oak.....	127.40	
32 93 43 00-0624	EA	2"	Caliper Quercus imbricaria - Shingle Oak.....	171.50	
32 93 43 00-0625	EA	2-1/2"	Caliper Quercus imbricaria - Shingle Oak.....	230.30	
32 93 43 00-0626	EA	3"	Caliper Quercus imbricaria - Shingle Oak.....	343.00	
32 93 43 00-0627	EA	3-1/2"	Caliper Quercus imbricaria - Shingle Oak.....	465.50	
32 93 43 00-0628	EA	1-1/2"	Caliper Quercus macrocarpa - Bur Oak.....	127.40	
32 93 43 00-0629	EA	2"	Caliper Quercus macrocarpa - Bur Oak.....	151.90	
32 93 43 00-0630	EA	2-1/2"	Caliper Quercus macrocarpa - Bur Oak.....	181.30	
32 93 43 00-0631	EA	3"	Caliper Quercus macrocarpa - Bur Oak.....	220.50	
32 93 43 00-0632	EA	3-1/2"	Caliper Quercus macrocarpa - Bur Oak.....	269.50	
32 93 43 00-0633	EA	4"	Caliper Quercus macrocarpa - Bur Oak.....	318.50	
32 93 43 00-0634	EA	9'	Clump Form Quercus macrocarpa - Bur Oak.....	294.00	
32 93 43 00-0635	EA	10'	Clump Form Quercus macrocarpa - Bur Oak.....	343.00	
32 93 43 00-0636	EA	12'	Clump Form Quercus macrocarpa - Bur Oak.....	392.00	
32 93 43 00-0637	EA	2"	Caliper Quercus palustris - Pin Oak.....	107.80	
32 93 43 00-0638	EA	2-1/2"	Caliper Quercus palustris - Pin Oak.....	147.00	
32 93 43 00-0639	EA	3"	Caliper Quercus palustris - Pin Oak.....	191.10	
32 93 43 00-0640	EA	3-1/2"	Caliper Quercus palustris - Pin Oak.....	220.50	
32 93 43 00-0641	EA	4"	Caliper Quercus palustris - Pin Oak.....	254.80	
32 93 43 00-0642	EA	4-1/2"	Caliper Quercus palustris - Pin Oak.....	289.10	
32 93 43 00-0643	EA	5"	Caliper Quercus palustris - Pin Oak.....	318.50	
32 93 43 00-0644	EA	2"	Caliper Quercus robur & cvs - English Oak.....	127.40	
32 93 43 00-0645	EA	2-1/2"	Caliper Quercus robur & cvs - English Oak.....	156.80	
32 93 43 00-0646	EA	3"	Caliper Quercus robur & cvs - English Oak.....	186.20	
32 93 43 00-0647	EA	3-1/2"	Caliper Quercus robur & cvs - English Oak.....	220.50	
32 93 43 00-0648	EA	4"	Caliper Quercus robur & cvs - English Oak.....	254.80	
32 93 43 00-0649	EA	4-1/2"	Caliper Quercus robur & cvs - English Oak.....	294.00	
32 93 43 00-0650	EA	5"	Caliper Quercus robur & cvs - English Oak.....	333.20	
32 93 43 00-0651	EA	2"	Caliper Quercus rubra - Red Oak.....	147.00	
32 93 43 00-0652	EA	2-1/2"	Caliper Quercus rubra - Red Oak.....	171.50	
32 93 43 00-0653	EA	3"	Caliper Quercus rubra - Red Oak.....	205.80	
32 93 43 00-0654	EA	3-1/2"	Caliper Quercus rubra - Red Oak.....	245.00	
32 93 43 00-0655	EA	4"	Caliper Quercus rubra - Red Oak.....	294.00	
32 93 43 00-0656	EA	4-1/2"	Caliper Quercus rubra - Red Oak.....	343.00	
32 93 43 00-0657	EA	5"	Caliper Quercus rubra - Red Oak.....	392.00	
32 93 43 00-0658	EA	16'	Clump Form Quercus rubra - Red Oak.....	318.50	
32 93 43 00-0659	EA	18'	Clump Form Quercus rubra - Red Oak.....	382.20	
32 93 43 00-0660	EA	20'	Clump Form Quercus rubra - Red Oak.....	426.30	
32 93 43 00-0661	EA	2"	Caliper Quercus shumardii - Shumard Oak.....	166.60	
32 93 43 00-0662	EA	2-1/2"	Caliper Quercus shumardii - Shumard Oak.....	210.70	
32 93 43 00-0663	EA	3"	Caliper Quercus shumardii - Shumard Oak.....	245.00	
32 93 43 00-0664	EA	3-1/2"	Caliper Quercus shumardii - Shumard Oak.....	294.00	
32 93 43 00-0665	EA	4"	Caliper Quercus shumardii - Shumard Oak.....	343.00	
32 93 43 00-0666	EA	4-1/2"	Caliper Quercus shumardii - Shumard Oak.....	392.00	
32 93 43 00-0667	EA	5"	Caliper Quercus shumardii - Shumard Oak.....	441.00	
32 93 43 00-0668	EA	2"	Caliper Quercus schuettii - Swamp Bur Oak.....	147.00	
32 93 43 00-0669	EA	2-1/2"	Caliper Quercus schuettii - Swamp Bur Oak.....	176.40	
32 93 43 00-0670	EA	3"	Caliper Quercus schuettii - Swamp Bur Oak.....	220.50	
32 93 43 00-0671	EA	3-1/2"	Caliper Quercus schuettii - Swamp Bur Oak.....	269.50	
32 93 43 00-0672	EA	4"	Caliper Quercus schuettii - Swamp Bur Oak.....	313.60	
32 93 43 00-0673	EA	4-1/2"	Caliper Quercus schuettii - Swamp Bur Oak.....	352.80	
32 93 43 00-0674	EA	24"	Box Salix babylonica - Weeping Willow.....	123.85	
32 93 43 00-0675	EA	36"	Box Salix babylonica - Weeping Willow.....	309.65	
32 93 43 00-0676	EA	1-1/2" To 2"	Caliper Salix babylonica - Weeping Willow.....	71.23	
32 93 43 00-0677	EA	2" To 2-1/2"	Caliper Salix babylonica - Weeping Willow.....	85.16	
32 93 43 00-0678	EA	2-1/2" To 3"	Caliper Salix babylonica - Weeping Willow.....	92.90	
32 93 43 00-0679	EA	2"	Caliper Salix alba & cvs - White Willow.....	78.40	
32 93 43 00-0680	EA	2-1/2"	Caliper Salix alba & cvs - White Willow.....	93.10	
32 93 43 00-0681	EA	3"	Caliper Salix alba & cvs - White Willow.....	122.50	
32 93 43 00-0682	EA	3-1/2"	Caliper Salix alba & cvs - White Willow.....	147.00	
32 93 43 00-0683	EA	4"	Caliper Salix alba & cvs - White Willow.....	176.40	

32 Exterior Improvements

32 90 Planting

32 93 Plants

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0684	EA	4-1/2" Caliper Salix alba & cvs - White Willow	205.80	
32 93 43 00-0685	EA	5" Caliper Salix alba & cvs - White Willow	235.20	
32 93 43 00-0686	EA	5' Clump Form Sassafras albidum - Common Sassafras	93.10	
32 93 43 00-0687	EA	6' Clump Form Sassafras albidum - Common Sassafras	112.70	
32 93 43 00-0688	EA	7' Clump Form Sassafras albidum - Common Sassafras	142.10	
32 93 43 00-0689	EA	8' Clump Form Sassafras albidum - Common Sassafras	161.70	
32 93 43 00-0690	EA	10' Clump Form Sassafras albidum - Common Sassafras	181.30	
32 93 43 00-0691	EA	12' Clump Form Sassafras albidum - Common Sassafras	220.50	
32 93 43 00-0692	EA	14' Clump Form Sassafras albidum - Common Sassafras	269.50	
32 93 43 00-0693	EA	16' Clump Form Sassafras albidum - Common Sassafras	318.50	
32 93 43 00-0694	EA	1-3/4" Caliper Sophora japonica - Chinese Scholar	162.29	
32 93 43 00-0695	EA	2" Caliper Sophora japonica - Chinese Scholar	180.32	
32 93 43 00-0696	EA	2-1/2" Caliper Sophora japonica - Chinese Scholar	242.30	
32 93 43 00-0697	EA	3" Caliper Sophora japonica - Chinese Scholar	315.56	
32 93 43 00-0698	EA	3-1/2" Caliper Sophora japonica - Chinese Scholar	366.28	
32 93 43 00-0699	EA	2" Caliper Taxodium distichum - Common Bald Cypress	122.50	
32 93 43 00-0700	EA	2-1/2" Caliper Taxodium distichum - Common Bald Cypress	142.10	
32 93 43 00-0701	EA	3" Caliper Taxodium distichum - Common Bald Cypress	171.50	
32 93 43 00-0702	EA	3-1/2" Caliper Taxodium distichum - Common Bald Cypress	196.00	
32 93 43 00-0703	EA	4" Caliper Taxodium distichum - Common Bald Cypress	215.60	
32 93 43 00-0704	EA	6' Clump Form Taxodium distichum - Common Bald Cypress	107.80	
32 93 43 00-0705	EA	7' Clump Form Taxodium distichum - Common Bald Cypress	122.50	
32 93 43 00-0706	EA	8' Clump Form Taxodium distichum - Common Bald Cypress	176.40	
32 93 43 00-0707	EA	10' Clump Form Taxodium distichum - Common Bald Cypress	196.00	
32 93 43 00-0708	EA	12' Clump Form Taxodium distichum - Common Bald Cypress	220.50	
32 93 43 00-0709	EA	14' Clump Form Taxodium distichum - Common Bald Cypress	254.80	
32 93 43 00-0710	EA	16' Clump Form Taxodium distichum - Common Bald Cypress	294.00	
32 93 43 00-0711	EA	2' Thuja occidentalis - American Arborvitae	16.79	
32 93 43 00-0712	EA	2-1/2' Thuja occidentalis - American Arborvitae	18.14	
32 93 43 00-0713	EA	3' Thuja occidentalis - American Arborvitae	25.92	
32 93 43 00-0714	EA	4' Thuja occidentalis - American Arborvitae	35.61	
32 93 43 00-0715	EA	5' Thuja occidentalis - American Arborvitae	49.59	
32 93 43 00-0716	EA	6' Thuja occidentalis - American Arborvitae	68.75	
32 93 43 00-0717	EA	7' Thuja occidentalis - American Arborvitae	83.40	
32 93 43 00-0718	EA	8' Thuja occidentalis - American Arborvitae	117.21	
32 93 43 00-0719	EA	2" Caliper Tilia americana & cvs - American Linden Basswood	122.50	
32 93 43 00-0720	EA	2-1/2" Caliper Tilia americana & cvs - American Linden Basswood	142.10	
32 93 43 00-0721	EA	3" Caliper Tilia americana & cvs - American Linden Basswood	181.30	
32 93 43 00-0722	EA	3-1/2" Caliper Tilia americana & cvs - American Linden Basswood	210.70	
32 93 43 00-0723	EA	4" Caliper Tilia americana & cvs - American Linden Basswood	240.10	
32 93 43 00-0724	EA	4-1/2" Caliper Tilia americana & cvs - American Linden Basswood	269.50	
32 93 43 00-0725	EA	5" Caliper Tilia americana & cvs - American Linden Basswood	294.00	
32 93 43 00-0726	EA	10' Clump Form Tilia americana & cvs - American Linden Basswood	156.80	
32 93 43 00-0727	EA	12' Clump Form Tilia americana & cvs - American Linden Basswood	171.50	
32 93 43 00-0728	EA	14' Clump Form Tilia americana & cvs - American Linden Basswood	196.00	
32 93 43 00-0729	EA	16' Clump Form Tilia americana & cvs - American Linden Basswood	225.40	
32 93 43 00-0730	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden	123.24	
32 93 43 00-0731	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	148.86	
32 93 43 00-0732	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden	171.50	
32 93 43 00-0733	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	210.70	
32 93 43 00-0734	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden	240.10	
32 93 43 00-0735	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	269.50	
32 93 43 00-0736	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden	298.90	
32 93 43 00-0737	EA	2" Caliper Tilia tomentosa & cvs - Silver Linden	137.20	
32 93 43 00-0738	EA	2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	151.90	
32 93 43 00-0739	EA	3" Caliper Tilia tomentosa & cvs - Silver Linden	166.60	
32 93 43 00-0740	EA	3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	186.20	
32 93 43 00-0741	EA	4" Caliper Tilia tomentosa & cvs - Silver Linden	215.60	
32 93 43 00-0742	EA	4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	254.80	
32 93 43 00-0743	EA	5" Caliper Tilia tomentosa & cvs - Silver Linden	333.20	
32 93 43 00-0744	EA	2" Caliper Tilia x euchlora - Crimean Linden	137.20	
32 93 43 00-0745	EA	2-1/2" Caliper Tilia x euchlora - Crimean Linden	176.40	
32 93 43 00-0746	EA	3" Caliper Tilia x euchlora - Crimean Linden	215.60	
32 93 43 00-0747	EA	3-1/2" Caliper Tilia x euchlora - Crimean Linden	245.00	
32 93 43 00-0748	EA	4" Caliper Tilia x euchlora - Crimean Linden	274.40	
32 93 43 00-0749	EA	4-1/2" Caliper Tilia x euchlora - Crimean Linden	308.70	
32 93 43 00-0750	EA	5" Caliper Tilia x euchlora - Crimean Linden	333.20	
32 93 43 00-0751	EA	2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	137.20	
32 93 43 00-0752	EA	2-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	156.80	
32 93 43 00-0753	EA	3" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	171.50	
32 93 43 00-0754	EA	3-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	186.20	
32 93 43 00-0755	EA	4" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	205.80	
32 93 43 00-0756	EA	4-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	245.00	
32 93 43 00-0757	EA	5" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	289.10	
32 93 43 00-0758	EA	2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	156.80	
32 93 43 00-0759	EA	2-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	171.50	
32 93 43 00-0760	EA	3" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	186.20	
32 93 43 00-0761	EA	3-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	205.80	
32 93 43 00-0762	EA	4" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	245.00	
32 93 43 00-0763	EA	4-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	289.10	
32 93 43 00-0764	EA	5" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	333.20	
32 93 43 00-0765	EA	2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	156.80	
32 93 43 00-0766	EA	2-1/2" Mary-Louise Parker Ulmus x 'Regal' - Regal Hybrid Elm	171.50	
32 93 43 00-0767	EA	3" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	186.20	
32 93 43 00-0768	EA	3-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	205.80	

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

32 93 43 00-0769	EA		4" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	245.00	
32 93 43 00-0770	EA		4-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	289.10	
32 93 43 00-0771	EA		5" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	333.20	

32 93 43 00-0772

Evergreen Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0773	EA		6' Abies balsamea - Balsam Fir.....	62.46	
32 93 43 00-0774	EA		7' Abies balsamea - Balsam Fir.....	78.08	
32 93 43 00-0775	EA		8' Abies balsamea - Balsam Fir.....	93.69	
32 93 43 00-0776	EA		9' Abies balsamea - Balsam Fir.....	124.92	
32 93 43 00-0777	EA		10' Abies balsamea - Balsam Fir.....	156.15	
32 93 43 00-0778	EA		12' Abies balsamea - Balsam Fir.....	187.38	
32 93 43 00-0779	EA		6' Abies concolor - White Fir.....	90.57	
32 93 43 00-0780	EA		7' Abies concolor - White Fir.....	103.06	
32 93 43 00-0781	EA		8' Abies concolor - White Fir.....	121.80	
32 93 43 00-0782	EA		9' Abies concolor - White Fir.....	140.54	
32 93 43 00-0783	EA		10' Abies concolor - White Fir.....	165.52	
32 93 43 00-0784	EA		12' Abies concolor - White Fir.....	203.00	
32 93 43 00-0785	EA		14' Abies concolor - White Fir.....	249.84	
32 93 43 00-0786	EA		16' Abies concolor - White Fir.....	281.07	
32 93 43 00-0787	EA		6' Abies fraseri - Frasier Fir.....	62.46	
32 93 43 00-0788	EA		7' Abies fraseri - Frasier Fir.....	78.08	
32 93 43 00-0789	EA		8' Abies fraseri - Frasier Fir.....	93.69	
32 93 43 00-0790	EA		9' Abies fraseri - Frasier Fir.....	124.92	
32 93 43 00-0791	EA		10' Abies fraseri - Frasier Fir.....	156.15	
32 93 43 00-0792	EA		12' Abies fraseri - Frasier Fir.....	187.38	
32 93 43 00-0793	EA		2' To 3' Cedrus atlantica - Blue Atlas Cedar.....	11.25	
32 93 43 00-0794	EA		3' To 4' Cedrus atlantica - Blue Atlas Cedar.....	18.08	
32 93 43 00-0795	EA		4' To 5' Cedrus atlantica - Blue Atlas Cedar.....	26.87	
32 93 43 00-0796	EA		5' To 6' Cedrus atlantica - Blue Atlas Cedar.....	36.15	
32 93 43 00-0797	EA		7' To 8' Cedrus atlantica - Blue Atlas Cedar.....	51.32	
32 93 43 00-0798	EA		5 Gallon Cedrus deodara - Indian Cedar.....	6.44	
32 93 43 00-0799	EA		6' To 8' Cedrus deodara - Indian Cedar.....	46.43	
32 93 43 00-0800	EA		8' To 10' Cedrus deodara - Indian Cedar.....	53.76	
32 93 43 00-0801	EA		10' To 12' Cedrus deodara - Indian Cedar.....	73.30	
32 93 43 00-0802	EA		12' To 14' Cedrus deodara - Indian Cedar.....	95.28	
32 93 43 00-0803	EA		14' To 16' Cedrus deodara - Indian Cedar.....	122.18	
32 93 43 00-0804	EA		15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress.....	14.51	
32 93 43 00-0805	EA		18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress.....	21.77	
32 93 43 00-0806	EA		2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress.....	33.87	
32 93 43 00-0807	EA		3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress.....	58.06	
32 93 43 00-0808	EA		4' To 5' Chamaecyparis pisifera - Sawara Cypress.....	17.59	
32 93 43 00-0809	EA		5' To 6' Chamaecyparis pisifera - Sawara Cypress.....	27.38	
32 93 43 00-0810	EA		6' To 7' Chamaecyparis pisifera - Sawara Cypress.....	34.20	
32 93 43 00-0811	EA		7' To 8' Chamaecyparis pisifera - Sawara Cypress.....	48.88	
32 93 43 00-0812	EA		1 Gallon Cleyera japonica - Japanese Cleyera.....	1.98	
32 93 43 00-0813	EA		3 Gallon Cleyera japonica - Japanese Cleyera.....	4.97	
32 93 43 00-0814	EA		7 Gallon Cleyera japonica - Japanese Cleyera.....	14.23	
32 93 43 00-0815	EA		5 Gallon Cupressocyparis leylandii - Leyland Cypress.....	7.99	
32 93 43 00-0816	EA		15 Gallon Cupressocyparis leylandii - Leyland Cypress.....	31.94	
32 93 43 00-0817	EA		4' To 5' Cupressocyparis leylandii - Leyland Cypress.....	13.97	
32 93 43 00-0818	EA		5' To 6' Cupressocyparis leylandii - Leyland Cypress.....	17.97	
32 93 43 00-0819	EA		6' To 7' Cupressocyparis leylandii - Leyland Cypress.....	27.95	
32 93 43 00-0820	EA		24" Box Cupressocyparis leylandii - Leyland Cypress.....	67.88	
32 93 43 00-0821	EA		1 Gallon Cupressus macrocarpa - Monterey Cypress.....	1.46	
32 93 43 00-0822	EA		5 Gallon Cupressus macrocarpa - Monterey Cypress.....	6.55	
32 93 43 00-0823	EA		15 Gallon Cupressus macrocarpa - Monterey Cypress.....	21.84	
32 93 43 00-0824	EA		5 Gallon Cupressus sempervirens - Italian Cypress.....	7.52	
32 93 43 00-0825	EA		15 Gallon Cupressus sempervirens - Italian Cypress.....	20.67	
32 93 43 00-0826	EA		1 Gallon Illicium anisatum - Anise Tree.....	2.15	
32 93 43 00-0827	EA		3 Gallon Illicium anisatum - Anise Tree.....	4.97	
32 93 43 00-0828	EA		1 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	2.21	
32 93 43 00-0829	EA		2 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	4.32	
32 93 43 00-0830	EA		3 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	5.35	
32 93 43 00-0831	EA		5 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	6.29	
32 93 43 00-0832	EA		1 Gallon Juniperus - Blue Sargent Juniper.....	2.21	
32 93 43 00-0833	EA		2 Gallon Juniperus - Blue Sargent Juniper.....	4.32	
32 93 43 00-0834	EA		3 Gallon Juniperus - Blue Sargent Juniper.....	5.35	
32 93 43 00-0835	EA		5 Gallon Juniperus - Blue Sargent Juniper.....	6.29	
32 93 43 00-0836	EA		5 Gallon Juniperus - Compact Pfitzer Juniper.....	6.29	
32 93 43 00-0837	EA		15" To 18" Juniperus - Compact Pfitzer Juniper.....	6.81	
32 93 43 00-0838	EA		18" To 24" Juniperus - Compact Pfitzer Juniper.....	8.22	
32 93 43 00-0839	EA		2' To 2 1/2' Juniperus - Compact Pfitzer Juniper.....	12.21	
32 93 43 00-0840	EA		2-1/2' To 3' Juniperus - Compact Pfitzer Juniper.....	14.14	
32 93 43 00-0841	EA		5' To 6' Juniperus - Fairview Juniper.....	21.06	
32 93 43 00-0842	EA		1 Gallon Juniperus - Hollywood Juniper.....	2.82	
32 93 43 00-0843	EA		5 Gallon Juniperus - Hollywood Juniper.....	7.84	
32 93 43 00-0844	EA		15 Gallon Juniperus - Hollywood Juniper.....	33.26	
32 93 43 00-0845	EA		4' To 5' Juniperus - Hollywood Juniper.....	21.98	
32 93 43 00-0846	EA		5' To 6' Juniperus - Hollywood Juniper.....	28.32	
32 93 43 00-0847	EA		1 Gallon Juniperus - Parson's Juniper.....	2.21	
32 93 43 00-0848	EA		2 Gallon Juniperus - Parson's Juniper.....	4.37	
32 93 43 00-0849	EA		3 Gallon Juniperus - Parson's Juniper.....	5.40	
32 93 43 00-0850	EA		5 Gallon Juniperus - Parson's Juniper.....	6.39	

32 Exterior Improvements

32 90 Planting

32 93 Plants

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0851	EA	5 Gallon Juniperus - Skyrocket Juniper	7.89	
32 93 43 00-0852	EA	15 Gallon Juniperus - Skyrocket Juniper	33.59	
32 93 43 00-0853	EA	2' To 3' Juniperus - Skyrocket Juniper	11.84	
32 93 43 00-0854	EA	3' To 4' Juniperus - Skyrocket Juniper	16.77	
32 93 43 00-0855	EA	4' To 5' Juniperus - Skyrocket Juniper	22.22	
32 93 43 00-0856	EA	5' To 6' Juniperus - Skyrocket Juniper	28.65	
32 93 43 00-0857	EA	6' To 8' Juniperus - Skyrocket Juniper	37.01	
32 93 43 00-0858	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	2.21	
32 93 43 00-0859	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	4.35	
32 93 43 00-0860	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	5.33	
32 93 43 00-0861	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	6.32	
32 93 43 00-0862	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper.....	2.21	
32 93 43 00-0863	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper.....	4.35	
32 93 43 00-0864	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper.....	5.33	
32 93 43 00-0865	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper.....	6.32	
32 93 43 00-0866	EA	2' To 3' Juniperus virginiana - Eastern Red Cedar	11.84	
32 93 43 00-0867	EA	3' To 4' Juniperus virginiana - Eastern Red Cedar	16.77	
32 93 43 00-0868	EA	4' To 5' Juniperus virginiana - Eastern Red Cedar.....	22.22	
32 93 43 00-0869	EA	5' To 6' Juniperus virginiana - Eastern Red Cedar.....	28.65	
32 93 43 00-0870	EA	5' Picea abies & cvs - Norway Spruce	68.71	
32 93 43 00-0871	EA	6' Picea abies & cvs - Norway Spruce	78.08	
32 93 43 00-0872	EA	7' Picea abies & cvs - Norway Spruce	93.69	
32 93 43 00-0873	EA	8' Picea abies & cvs - Norway Spruce	109.31	
32 93 43 00-0874	EA	9' Picea abies & cvs - Norway Spruce	146.78	
32 93 43 00-0875	EA	10' Picea abies & cvs - Norway Spruce	178.01	
32 93 43 00-0876	EA	12' Picea abies & cvs - Norway Spruce	218.61	
32 93 43 00-0877	EA	14' Picea abies & cvs - Norway Spruce	265.46	
32 93 43 00-0878	EA	6' Picea glauca - White Spruce.....	65.58	
32 93 43 00-0879	EA	7' Picea glauca - White Spruce.....	93.69	
32 93 43 00-0880	EA	8' Picea glauca - White Spruce.....	109.31	
32 93 43 00-0881	EA	9' Picea glauca - White Spruce.....	131.17	
32 93 43 00-0882	EA	10' Picea glauca - White Spruce.....	156.15	
32 93 43 00-0883	EA	12' Picea glauca - White Spruce	187.38	
32 93 43 00-0884	EA	4' Picea glauca densata - Black Hills Spruce.....	37.48	
32 93 43 00-0885	EA	5' Picea glauca densata - Black Hills Spruce	56.21	
32 93 43 00-0886	EA	6' Picea glauca densata - Black Hills Spruce.....	84.32	
32 93 43 00-0887	EA	7' Picea glauca densata - Black Hills Spruce.....	99.94	
32 93 43 00-0888	EA	8' Picea glauca densata - Black Hills Spruce.....	115.55	
32 93 43 00-0889	EA	9' Picea glauca densata - Black Hills Spruce.....	128.04	
32 93 43 00-0890	EA	10' Picea glauca densata - Black Hills Spruce.....	140.54	
32 93 43 00-0891	EA	6' Picea omorika & cvs - Serbian Spruce.....	84.32	
32 93 43 00-0892	EA	7' Picea omorika & cvs - Serbian Spruce.....	93.69	
32 93 43 00-0893	EA	8' Picea omorika & cvs - Serbian Spruce.....	112.43	
32 93 43 00-0894	EA	9' Picea omorika & cvs - Serbian Spruce	131.17	
32 93 43 00-0895	EA	10' Picea omorika & cvs - Serbian Spruce.....	149.91	
32 93 43 00-0896	EA	5' Picea pungens - Colorado Green Spruce.....	68.71	
32 93 43 00-0897	EA	6' Picea pungens - Colorado Green Spruce.....	87.45	
32 93 43 00-0898	EA	7' Picea pungens - Colorado Green Spruce.....	103.06	
32 93 43 00-0899	EA	8' Picea pungens - Colorado Green Spruce.....	118.68	
32 93 43 00-0900	EA	9' Picea pungens - Colorado Green Spruce.....	137.41	
32 93 43 00-0901	EA	10' Picea pungens - Colorado Green Spruce.....	259.21	
32 93 43 00-0902	EA	12' Picea pungens - Colorado Green Spruce.....	187.38	
32 93 43 00-0903	EA	14' Picea pungens - Colorado Green Spruce.....	218.61	
32 93 43 00-0904	EA	16' Picea pungens - Colorado Green Spruce.....	281.07	
32 93 43 00-0905	EA	5' Picea pungens glauca & cvs - Colorado Blue Spruce	68.71	
32 93 43 00-0906	EA	6' Picea pungens glauca & cvs - Colorado Blue Spruce	93.69	
32 93 43 00-0907	EA	7' Picea pungens glauca & cvs - Colorado Blue Spruce	109.31	
32 93 43 00-0908	EA	8' Picea pungens glauca & cvs - Colorado Blue Spruce	124.92	
32 93 43 00-0909	EA	9' Picea pungens glauca & cvs - Colorado Blue Spruce	140.54	
32 93 43 00-0910	EA	10' Picea pungens glauca & cvs - Colorado Blue Spruce	171.77	
32 93 43 00-0911	EA	12' Picea pungens glauca & cvs - Colorado Blue Spruce	218.61	
32 93 43 00-0912	EA	16' Picea pungens glauca & cvs - Colorado Blue Spruce	327.92	
32 93 43 00-0913	EA	2' Pinus strobus - Pyramidal White Pine	8.65	
32 93 43 00-0914	EA	3' Pinus strobus - Pyramidal White Pine	11.56	
32 93 43 00-0915	EA	4' Pinus strobus - Pyramidal White Pine	12.75	
32 93 43 00-0916	EA	5' Pinus strobus - Pyramidal White Pine	13.94	
32 93 43 00-0917	EA	6' Pinus strobus - Pyramidal White Pine	17.37	
32 93 43 00-0918	EA	7' Pinus strobus - Pyramidal White Pine	23.11	
32 93 43 00-0919	EA	8' Pinus strobus - Pyramidal White Pine	31.76	
32 93 43 00-0920	EA	10' Pinus strobus - Pyramidal White Pine	63.38	
32 93 43 00-0921	EA	12' Pinus strobus - Pyramidal White Pine	150.61	
32 93 43 00-0922	EA	14' Pinus strobus - Pyramidal White Pine	202.06	
32 93 43 00-0923	EA	16' Pinus strobus - Pyramidal White Pine	243.06	
32 93 43 00-0924	EA	2' Pinus strobus - White Pine.....	13.29	
32 93 43 00-0925	EA	3' Pinus strobus - White Pine.....	18.96	
32 93 43 00-0926	EA	4' Pinus strobus - White Pine.....	30.24	
32 93 43 00-0927	EA	5' Pinus strobus - White Pine.....	43.10	
32 93 43 00-0928	EA	6' Pinus strobus - White Pine.....	63.21	
32 93 43 00-0929	EA	7' Pinus strobus - White Pine.....	75.42	
32 93 43 00-0930	EA	8' Pinus strobus - White Pine.....	102.00	
32 93 43 00-0931	EA	10' Pinus strobus - White Pine.....	137.20	
32 93 43 00-0932	EA	12' Pinus strobus - White Pine.....	181.73	
32 93 43 00-0933	EA	14' Pinus strobus - White Pine.....	222.67	
32 93 43 00-0934	EA	16' Pinus strobus - White Pine.....	270.80	
32 93 43 00-0935	EA	3' Pinus sylvestris - Scotch Pine	20.52	

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

32 93 43 00-0936	EA	4'	Pinus sylvestris - Scotch Pine	28.48	
32 93 43 00-0937	EA	5'	Pinus sylvestris - Scotch Pine	39.98	
32 93 43 00-0938	EA	6'	Pinus sylvestris - Scotch Pine	55.47	
32 93 43 00-0939	EA	7'	Pinus sylvestris - Scotch Pine	67.96	
32 93 43 00-0940	EA	8'	Pinus sylvestris - Scotch Pine	95.94	
32 93 43 00-0941	EA	9'	Pinus sylvestris - Scotch Pine	121.80	
32 93 43 00-0942	EA	10'	Pinus sylvestris - Scotch Pine	140.54	
32 93 43 00-0943	EA	12'	Pinus sylvestris - Scotch Pine	165.52	
32 93 43 00-0944	EA	14'	Pinus sylvestris - Scotch Pine	187.38	
32 93 43 00-0945	EA	16'	Pinus sylvestris - Scotch Pine	218.61	
32 93 43 00-0946	EA	5' To 6'	Pinus taeda - Loblolly Pine	8.93	
32 93 43 00-0947	EA	1	Gallon Pinus thunbergiana - Japanese Black Pine	2.21	
32 93 43 00-0948	EA	5	Gallon Pinus thunbergiana - Japanese Black Pine	7.84	
32 93 43 00-0949	EA	15	Gallon Pinus thunbergiana - Japanese Black Pine	25.41	
32 93 43 00-0950	EA	2' To 3'	Pinus thunbergiana - Japanese Black Pine	10.76	
32 93 43 00-0951	EA	3' To 4'	Pinus thunbergiana - Japanese Black Pine	13.67	
32 93 43 00-0952	EA	4' To 5'	Pinus thunbergiana - Japanese Black Pine	20.53	
32 93 43 00-0953	EA	5' To 6'	Pinus thunbergiana - Japanese Black Pine	40.07	
32 93 43 00-0954	EA	6' To 7'	Pinus Thunbergiana - Japanese Black Pine	44.95	
32 93 43 00-0955	EA	7' To 8'	Pinus thunbergiana - Japanese Black Pine	56.18	
32 93 43 00-0956	EA	4'	Pinus cembra - Swiss Stone Pine	53.09	
32 93 43 00-0957	EA	5'	Pinus cembra - Swiss Stone Pine	65.58	
32 93 43 00-0958	EA	6'	Pinus cembra - Swiss Stone Pine	81.20	
32 93 43 00-0959	EA	6'	Pinus flexilis & cvs - Limber Pine	78.08	
32 93 43 00-0960	EA	7'	Pinus flexilis & cvs - Limber Pine	90.57	
32 93 43 00-0961	EA	8'	Pinus flexilis & cvs - Limber Pine	112.43	
32 93 43 00-0962	EA	9'	Pinus flexilis & cvs - Limber Pine	137.41	
32 93 43 00-0963	EA	10'	Pinus flexilis & cvs - Limber Pine	156.15	
32 93 43 00-0964	EA	1	Gallon Pinus mugo - Mugho Pine	2.91	
32 93 43 00-0965	EA	2	Gallon Pinus mugo - Mugho Pine	6.15	
32 93 43 00-0966	EA	3	Gallon Pinus mugo - Mugho Pine	7.70	
32 93 43 00-0967	EA	5	Gallon Pinus mugo - Mugho Pine	9.77	
32 93 43 00-0968	EA	12" To 15"	Spread Pinus mugo - Mugho Pine	7.56	
32 93 43 00-0969	EA	15" To 18"	Spread Pinus mugo - Mugho Pine	9.02	
32 93 43 00-0970	EA	18" To 24"	Spread Pinus mugo - Mugho Pine	12.21	
32 93 43 00-0971	EA	2' To 2-1/2'	Spread Pinus mugo - Mugho Pine	17.10	
32 93 43 00-0972	EA	2-1/2' To 3'	Spread Pinus mugo - Mugho Pine	21.98	
32 93 43 00-0973	EA	3' To 3-1/2'	Spread Pinus mugo - Mugho Pine	27.38	
32 93 43 00-0974	EA	3-1/2' To 4'	Spread Pinus mugo - Mugho Pine	33.26	
32 93 43 00-0975	EA	6'	Pinus nigra - Austrian Pine	78.08	
32 93 43 00-0976	EA	7'	Pinus nigra - Austrian Pine	93.69	
32 93 43 00-0977	EA	8'	Pinus nigra - Austrian Pine	121.80	
32 93 43 00-0978	EA	9'	Pinus nigra - Austrian Pine	140.54	
32 93 43 00-0979	EA	10'	Pinus nigra - Austrian Pine	165.52	
32 93 43 00-0980	EA	12'	Pinus nigra - Austrian Pine	187.38	
32 93 43 00-0981	EA	14'	Pinus nigra - Austrian Pine	209.24	
32 93 43 00-0982	EA	16'	Pinus nigra - Austrian Pine	237.35	
32 93 43 00-0983	EA	5'	Pinus peuce - Macedonian Pine	96.81	
32 93 43 00-0984	EA	6'	Pinus peuce - Macedonian Pine	121.80	
32 93 43 00-0985	EA	7'	Pinus peuce - Macedonian Pine	140.54	
32 93 43 00-0986	EA	8'	Pinus peuce - Macedonian Pine	159.28	
32 93 43 00-0987	EA	9'	Pinus peuce - Macedonian Pine	184.26	
32 93 43 00-0988	EA	1	Gallon Podocarpus - Chinese Podocarpus	1.46	
32 93 43 00-0989	EA	3	Gallon Podocarpus - Chinese Podocarpus	3.38	
32 93 43 00-0990	EA	7	Gallon Podocarpus - Chinese Podocarpus	9.77	
32 93 43 00-0991	EA	15	Gallon Podocarpus - Chinese Podocarpus	15.88	
32 93 43 00-0992	EA	4' To 5'	Podocarpus - Chinese Podocarpus	24.43	
32 93 43 00-0993	EA	5'	Pseudotsuga menziesii - Douglas Fir	62.46	
32 93 43 00-0994	EA	6'	Pseudotsuga menziesii - Douglas Fir	74.95	
32 93 43 00-0995	EA	7'	Pseudotsuga menziesii - Douglas Fir	93.69	
32 93 43 00-0996	EA	8'	Pseudotsuga menziesii - Douglas Fir	112.43	
32 93 43 00-0997	EA	9'	Pseudotsuga menziesii - Douglas Fir	140.54	
32 93 43 00-0998	EA	10'	Pseudotsuga menziesii - Douglas Fir	165.52	
32 93 43 00-0999	EA	12'	Pseudotsuga menziesii - Douglas Fir	187.38	
32 93 43 00-1000	EA	5' To 6'	Sequoia sempervirens - Dawn Redwood	30.53	
32 93 43 00-1001	EA	6' To 8'	Sequoia sempervirens - Dawn Redwood	41.22	
32 93 43 00-1002	EA	8' To 10'	Sequoia sempervirens - Dawn Redwood	50.38	
32 93 43 00-1003	EA	3' To 4'	Thuja occidentalis 'Wareana' - Siberian Arborvitae	5.89	
32 93 43 00-1004	EA	5' To 6'	Taxodium distichum & cvs - Bald Cypress	21.70	
32 93 43 00-1005	EA	6' To 7'	Taxodium distichum & cvs - Bald Cypress	27.13	
32 93 43 00-1006	EA	7' To 8'	Taxodium distichum & cvs - Bald Cypress	33.54	
32 93 43 00-1007	EA	8' To 10'	Taxodium distichum & cvs - Bald Cypress	42.44	
32 93 43 00-1008	EA	6'	Tsuga canadensis - Northern Hemlock	62.46	
32 93 43 00-1009	EA	7'	Tsuga canadensis - Northern Hemlock	78.08	
32 93 43 00-1010	EA	8'	Tsuga canadensis - Northern Hemlock	106.18	
32 93 43 00-1011	EA	9'	Tsuga canadensis - Northern Hemlock	124.92	
32 93 43 00-1012	EA	10'	Tsuga canadensis - Northern Hemlock	140.54	
32 93 43 00-1013	EA	12'	Tsuga canadensis - Northern Hemlock	156.15	
32 93 43 00-1014	EA	3' To 4'	Thuja occidentalis 'Woodwardii' - Woodward Arborvitae	13.16	

32 93 53 Planting Of Trees, Shrubs And Ground Cover (32 93)

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0001			Planting Trees <small>(32 93 53)</small>		
			Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 53 00-0002	EA		3" To 5" Bare Root Seedlings Tree Planting.....	1.59	
32 93 53 00-0003	EA		6" To 10" Bare Root Seedlings Tree Planting.....	2.56	
32 93 53 00-0004	EA		11" To 16" Bare Root Seedlings Tree Planting.....	3.20	
32 93 53 00-0005	EA		17" To 24" Bare Root Seedlings Tree Planting.....	5.11	
32 93 53 00-0006	EA		1 Gallon Container Tree Planting.....	25.56	
			For >10 To 25, Deduct	-1.28	
			For >25 To 50, Deduct	-3.20	
			For >50 To 100, Deduct	-5.11	
			For >100, Deduct	-7.67	
32 93 53 00-0007	EA		2 Gallon Container Tree Planting.....	35.79	
			For >10 To 25, Deduct	-1.79	
			For >25 To 50, Deduct	-4.47	
			For >50 To 100, Deduct	-7.16	
			For >100, Deduct	-10.74	
32 93 53 00-0008	EA		3 Gallon Container Tree Planting.....	46.01	
			For >10 To 25, Deduct	-2.30	
			For >25 To 50, Deduct	-5.75	
			For >50 To 100, Deduct	-9.20	
			For >100, Deduct	-13.80	
32 93 53 00-0009	EA		5 Gallon Container Tree Planting.....	76.68	
			For >10 To 25, Deduct	-3.83	
			For >25 To 50, Deduct	-9.59	
			For >50 To 100, Deduct	-15.34	
			For >100, Deduct	-23.00	
32 93 53 00-0010	EA		7 Gallon Container Tree Planting.....	102.25	
			For >10 To 25, Deduct	-5.11	
			For >25 To 50, Deduct	-12.78	
			For >50 To 100, Deduct	-20.45	
			For >100, Deduct	-30.68	
32 93 53 00-0011	EA		10 Gallon Container Tree Planting.....	132.91	
			For >10 To 25, Deduct	-6.65	
			For >25 To 50, Deduct	-16.61	
			For >50 To 100, Deduct	-26.58	
			For >100, Deduct	-39.87	
32 93 53 00-0012	EA		15 Gallon Container Tree Planting.....	189.15	
			For >10 To 25, Deduct	-9.46	
			For >25 To 50, Deduct	-23.64	
			For >50 To 100, Deduct	-37.83	
			For >100, Deduct	-56.75	
32 93 53 00-0013	EA		20 Gallon Container Tree Planting.....	311.84	
			For >10 To 25, Deduct	-15.59	
			For >25 To 50, Deduct	-38.98	
			For >50 To 100, Deduct	-62.37	
			For >100, Deduct	-93.55	
32 93 53 00-0014	EA		25 Gallon Container Tree Planting.....	403.86	
			For >10 To 25, Deduct	-20.19	
			For >25 To 50, Deduct	-50.48	
			For >50 To 100, Deduct	-80.77	
			For >100, Deduct	-121.16	
32 93 53 00-0015	EA		30 Gallon Container Tree Planting.....	485.65	
			For >10 To 25, Deduct	-24.28	
			For >25 To 50, Deduct	-60.71	
			For >50 To 100, Deduct	-97.13	
			For >100, Deduct	-145.70	
32 93 53 00-0016	EA		45 Gallon Container Tree Planting.....	603.23	
			For >10 To 25, Deduct	-30.16	
			For >25 To 50, Deduct	-75.40	
			For >50 To 100, Deduct	-120.65	
			For >100, Deduct	-180.97	
32 93 53 00-0017	EA		65 Gallon Container Tree Planting.....	715.70	
			For >10 To 25, Deduct	-35.79	
			For >25 To 50, Deduct	-89.46	
			For >50 To 100, Deduct	-143.14	
			For >100, Deduct	-214.71	
32 93 53 00-0018	EA		6' Balled And Burlapped Tree Planting.....	255.60	
			For >10 To 25, Deduct	-12.78	
			For >25 To 50, Deduct	-31.95	
			For >50 To 100, Deduct	-51.12	
			For >100, Deduct	-76.68	
32 93 53 00-0019	EA		7' Balled And Burlapped Tree Planting.....	340.48	
			For >10 To 25, Deduct	-17.02	
			For >25 To 50, Deduct	-42.56	
			For >50 To 100, Deduct	-68.10	
			For >100, Deduct	-102.14	
32 93 53 00-0020	EA		8' Balled And Burlapped Tree Planting.....	383.42	
			For >10 To 25, Deduct	-19.17	
			For >25 To 50, Deduct	-47.93	
			For >50 To 100, Deduct	-76.68	
			For >100, Deduct	-115.03	
32 93 53 00-0021	EA		10' Balled And Burlapped Tree Planting.....	447.31	
			For >10 To 25, Deduct	-22.37	
			For >25 To 50, Deduct	-55.91	
			For >50 To 100, Deduct	-89.46	
			For >100, Deduct	-134.19	

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 93 53 00-0022	EA 12' Balled And Burlapped Tree Planting	598.12	
	For >10 To 25, Deduct	-29.91	
	For >25 To 50, Deduct	-74.77	
	For >50 To 100, Deduct	-119.62	
	For >100, Deduct	-179.44	
32 93 53 00-0023	EA 14' Balled And Burlapped Tree Planting	685.03	
	For >10 To 25, Deduct	-34.25	
	For >25 To 50, Deduct	-85.63	
	For >50 To 100, Deduct	-137.01	
	For >100, Deduct	-205.51	
32 93 53 00-0024	EA 16' Balled And Burlapped Tree Planting	830.73	
	For >10 To 25, Deduct	-41.54	
	For >25 To 50, Deduct	-103.84	
	For >50 To 100, Deduct	-166.15	
	For >100, Deduct	-249.22	
32 93 53 00-0025	EA 18' Balled And Burlapped Tree Planting	996.87	
	For >10 To 25, Deduct	-49.84	
	For >25 To 50, Deduct	-124.61	
	For >50 To 100, Deduct	-199.37	
	For >100, Deduct	-299.06	
32 93 53 00-0026	EA 20' Balled And Burlapped Tree Planting	1,150.24	
	For >10 To 25, Deduct	-57.51	
	For >25 To 50, Deduct	-143.78	
	For >50 To 100, Deduct	-230.05	
	For >100, Deduct	-345.07	
32 93 53 00-0027	EA 1-1/2" Caliper Balled And Burlapped Tree Planting	383.42	
	For >10 To 25, Deduct	-19.17	
	For >25 To 50, Deduct	-47.93	
	For >50 To 100, Deduct	-76.68	
	For >100, Deduct	-115.03	
32 93 53 00-0028	EA 2" Caliper Balled And Burlapped Tree Planting	447.31	
	For >10 To 25, Deduct	-22.37	
	For >25 To 50, Deduct	-55.91	
	For >50 To 100, Deduct	-89.46	
	For >100, Deduct	-134.19	
32 93 53 00-0029	EA 2-1/2" Caliper Balled And Burlapped Tree Planting	600.68	
	For >10 To 25, Deduct	-30.03	
	For >25 To 50, Deduct	-75.09	
	For >50 To 100, Deduct	-120.14	
	For >100, Deduct	-180.20	
32 93 53 00-0030	EA 3" Caliper Balled And Burlapped Tree Planting	690.14	
	For >10 To 25, Deduct	-34.51	
	For >25 To 50, Deduct	-86.27	
	For >50 To 100, Deduct	-138.03	
	For >100, Deduct	-207.04	
32 93 53 00-0031	EA 3-1/2" Caliper Balled And Burlapped Tree Planting	766.82	
	For >10 To 25, Deduct	-38.34	
	For >25 To 50, Deduct	-95.85	
	For >50 To 100, Deduct	-153.36	
	For >100, Deduct	-230.05	
32 93 53 00-0032	EA 4" Caliper Balled And Burlapped Tree Planting	879.29	
	For >10 To 25, Deduct	-43.96	
	For >25 To 50, Deduct	-109.91	
	For >50 To 100, Deduct	-175.86	
	For >100, Deduct	-263.79	
32 93 53 00-0033	Planting Shrubs <small>(32 93 53)</small>		
	Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 53 00-0034	EA 1 Gallon Container Shrub Planting	21.74	
	For >10 To 25, Deduct	-1.09	
	For >25 To 50, Deduct	-2.72	
	For >50 To 100, Deduct	-4.35	
	For >100, Deduct	-6.52	
32 93 53 00-0035	EA 2 Gallon Container Shrub Planting	30.68	
	For >10 To 25, Deduct	-1.53	
	For >25 To 50, Deduct	-3.84	
	For >50 To 100, Deduct	-6.14	
	For >100, Deduct	-9.20	
32 93 53 00-0036	EA 3 Gallon Container Shrub Planting	38.34	
	For >10 To 25, Deduct	-1.92	
	For >25 To 50, Deduct	-4.79	
	For >50 To 100, Deduct	-7.67	
	For >100, Deduct	-11.50	
32 93 53 00-0037	EA 4 Gallon Container Shrub Planting	51.12	
	For >10 To 25, Deduct	-2.56	
	For >25 To 50, Deduct	-6.39	
	For >50 To 100, Deduct	-10.22	
	For >100, Deduct	-15.34	
32 93 53 00-0038	EA 5 Gallon Container Shrub Planting	63.91	
	For >10 To 25, Deduct	-3.20	
	For >25 To 50, Deduct	-7.99	
	For >50 To 100, Deduct	-12.78	
	For >100, Deduct	-19.17	
32 93 53 00-0039	EA 7 Gallon Container Shrub Planting	86.91	
	For >10 To 25, Deduct	-4.35	
	For >25 To 50, Deduct	-10.86	
	For >50 To 100, Deduct	-17.38	
	For >100, Deduct	-26.07	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 53 00-0040	EA	10 Gallon Container Shrub Planting.....	115.02	
		<i>For >10 To 25, Deduct</i>	-5.75	
		<i>For >25 To 50, Deduct</i>	-14.38	
		<i>For >50 To 100, Deduct</i>	-23.00	
		<i>For >100, Deduct</i>	-34.51	
32 93 53 00-0041	EA	15 Gallon Container Shrub Planting.....	158.48	
		<i>For >10 To 25, Deduct</i>	-7.92	
		<i>For >25 To 50, Deduct</i>	-19.81	
		<i>For >50 To 100, Deduct</i>	-31.70	
		<i>For >100, Deduct</i>	-47.54	
32 93 53 00-0042	EA	20 Gallon Container Shrub Planting.....	265.84	
		<i>For >10 To 25, Deduct</i>	-13.29	
		<i>For >25 To 50, Deduct</i>	-33.23	
		<i>For >50 To 100, Deduct</i>	-53.17	
		<i>For >100, Deduct</i>	-79.75	
32 93 53 00-0043	EA	25 Gallon Container Shrub Planting.....	340.48	
		<i>For >10 To 25, Deduct</i>	-17.02	
		<i>For >25 To 50, Deduct</i>	-42.56	
		<i>For >50 To 100, Deduct</i>	-68.10	
		<i>For >100, Deduct</i>	-102.14	
32 93 53 00-0044	EA	15" Balled And Burlapped Shrub Planting.....	71.57	
		<i>For >10 To 25, Deduct</i>	-3.58	
		<i>For >25 To 50, Deduct</i>	-8.95	
		<i>For >50 To 100, Deduct</i>	-14.31	
		<i>For >100, Deduct</i>	-21.47	
32 93 53 00-0045	EA	18" Balled And Burlapped Shrub Planting.....	74.13	
		<i>For >10 To 25, Deduct</i>	-3.71	
		<i>For >25 To 50, Deduct</i>	-9.27	
		<i>For >50 To 100, Deduct</i>	-14.83	
		<i>For >100, Deduct</i>	-22.24	
32 93 53 00-0046	EA	24" Balled And Burlapped Shrub Planting.....	81.79	
		<i>For >10 To 25, Deduct</i>	-4.09	
		<i>For >25 To 50, Deduct</i>	-10.22	
		<i>For >50 To 100, Deduct</i>	-16.36	
		<i>For >100, Deduct</i>	-24.54	
32 93 53 00-0047	EA	30" Balled And Burlapped Shrub Planting.....	81.79	
		<i>For >10 To 25, Deduct</i>	-4.09	
		<i>For >25 To 50, Deduct</i>	-10.22	
		<i>For >50 To 100, Deduct</i>	-16.36	
		<i>For >100, Deduct</i>	-24.54	
32 93 53 00-0048	EA	36" Balled And Burlapped Shrub Planting.....	89.46	
		<i>For >10 To 25, Deduct</i>	-4.47	
		<i>For >25 To 50, Deduct</i>	-11.18	
		<i>For >50 To 100, Deduct</i>	-17.89	
		<i>For >100, Deduct</i>	-26.84	
32 93 53 00-0049	EA	42" Balled And Burlapped Shrub Planting.....	94.57	
		<i>For >10 To 25, Deduct</i>	-4.73	
		<i>For >25 To 50, Deduct</i>	-11.82	
		<i>For >50 To 100, Deduct</i>	-18.91	
		<i>For >100, Deduct</i>	-28.37	
32 93 53 00-0050	EA	48" Balled And Burlapped Shrub Planting.....	102.25	
		<i>For >10 To 25, Deduct</i>	-5.11	
		<i>For >25 To 50, Deduct</i>	-12.78	
		<i>For >50 To 100, Deduct</i>	-20.45	
		<i>For >100, Deduct</i>	-30.68	
32 93 53 00-0051	EA	5' Balled And Burlapped Shrub Planting.....	153.37	
		<i>For >10 To 25, Deduct</i>	-7.67	
		<i>For >25 To 50, Deduct</i>	-19.17	
		<i>For >50 To 100, Deduct</i>	-30.67	
		<i>For >100, Deduct</i>	-46.01	
32 93 53 00-0052	EA	6' Balled And Burlapped Shrub Planting.....	217.26	
		<i>For >10 To 25, Deduct</i>	-10.86	
		<i>For >25 To 50, Deduct</i>	-27.16	
		<i>For >50 To 100, Deduct</i>	-43.45	
		<i>For >100, Deduct</i>	-65.18	
32 93 53 00-0053	EA	7' Balled And Burlapped Shrub Planting.....	288.84	
		<i>For >10 To 25, Deduct</i>	-14.44	
		<i>For >25 To 50, Deduct</i>	-36.11	
		<i>For >50 To 100, Deduct</i>	-57.77	
		<i>For >100, Deduct</i>	-86.65	
32 93 53 00-0054	EA	8' Balled And Burlapped Shrub Planting.....	327.18	
		<i>For >10 To 25, Deduct</i>	-16.36	
		<i>For >25 To 50, Deduct</i>	-40.90	
		<i>For >50 To 100, Deduct</i>	-65.44	
		<i>For >100, Deduct</i>	-98.15	
32 93 53 00-0055	EA	9' Balled And Burlapped Shrub Planting.....	352.74	
		<i>For >10 To 25, Deduct</i>	-17.64	
		<i>For >25 To 50, Deduct</i>	-44.09	
		<i>For >50 To 100, Deduct</i>	-70.55	
		<i>For >100, Deduct</i>	-105.82	
32 93 53 00-0056	EA	10' Balled And Burlapped Shrub Planting.....	383.42	
		<i>For >10 To 25, Deduct</i>	-19.17	
		<i>For >25 To 50, Deduct</i>	-47.93	
		<i>For >50 To 100, Deduct</i>	-76.68	
		<i>For >100, Deduct</i>	-115.03	

32 93 53 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs (32 93 53)

See CSI section 32 91 13 16-0001 for mulch.

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

32 93 53 00-0058	EA		2-1/4" Diameter Potted Groundcover And Flower Planting.....	2.13	
			<i>For >10 To 25, Deduct</i>	-0.11	
			<i>For >25 To 50, Deduct</i>	-0.27	
			<i>For >50 To 100, Deduct</i>	-0.43	
			<i>For >100, Deduct</i>	-0.64	
32 93 53 00-0059	EA		3" Diameter Potted Groundcover And Flower Planting.....	2.43	
			<i>For >10 To 25, Deduct</i>	-0.12	
			<i>For >25 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.49	
			<i>For >100, Deduct</i>	-0.73	
32 93 53 00-0060	EA		4" Diameter Potted Groundcover And Flower Planting.....	2.84	
			<i>For >10 To 25, Deduct</i>	-0.14	
			<i>For >25 To 50, Deduct</i>	-0.36	
			<i>For >50 To 100, Deduct</i>	-0.57	
			<i>For >100, Deduct</i>	-0.85	
32 93 53 00-0061	EA		5-1/2" Diameter Potted Groundcover And Flower Planting.....	3.41	
			<i>For >10 To 25, Deduct</i>	-0.17	
			<i>For >25 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.68	
			<i>For >100, Deduct</i>	-1.02	
32 93 53 00-0062	EA		6" Diameter Potted Groundcover And Flower Planting.....	4.26	
			<i>For >10 To 25, Deduct</i>	-0.21	
			<i>For >25 To 50, Deduct</i>	-0.53	
			<i>For >50 To 100, Deduct</i>	-0.85	
			<i>For >100, Deduct</i>	-1.28	
32 93 53 00-0063	EA		8" Diameter Potted Groundcover And Flower Planting.....	6.39	
			<i>For >10 To 25, Deduct</i>	-0.32	
			<i>For >25 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.28	
			<i>For >100, Deduct</i>	-1.92	
32 93 53 00-0064	EA		1 Gallon Container Groundcover And Flower Planting.....	20.45	
			<i>For >10 To 25, Deduct</i>	-1.02	
			<i>For >25 To 50, Deduct</i>	-2.56	
			<i>For >50 To 100, Deduct</i>	-4.09	
			<i>For >100, Deduct</i>	-6.14	
32 93 53 00-0065	EA		2 Gallon Container Groundcover And Flower Planting.....	28.12	
			<i>For >10 To 25, Deduct</i>	-1.41	
			<i>For >25 To 50, Deduct</i>	-3.52	
			<i>For >50 To 100, Deduct</i>	-5.62	
			<i>For >100, Deduct</i>	-8.44	
32 93 53 00-0066	EA		3 Gallon Container Groundcover And Flower Planting.....	35.79	
			<i>For >10 To 25, Deduct</i>	-1.79	
			<i>For >25 To 50, Deduct</i>	-4.47	
			<i>For >50 To 100, Deduct</i>	-7.16	
			<i>For >100, Deduct</i>	-10.74	
32 93 53 00-0067	EA		4 Gallon Container Groundcover And Flower Planting.....	46.01	
			<i>For >10 To 25, Deduct</i>	-2.30	
			<i>For >25 To 50, Deduct</i>	-5.75	
			<i>For >50 To 100, Deduct</i>	-9.20	
			<i>For >100, Deduct</i>	-13.80	
32 93 53 00-0068	EA		5 Gallon Container Groundcover And Flower Planting.....	56.23	
			<i>For >10 To 25, Deduct</i>	-2.81	
			<i>For >25 To 50, Deduct</i>	-7.03	
			<i>For >50 To 100, Deduct</i>	-11.25	
			<i>For >100, Deduct</i>	-16.87	
32 93 53 00-0069	EA		7 Gallon Container Groundcover And Flower Planting.....	76.68	
			<i>For >10 To 25, Deduct</i>	-3.83	
			<i>For >25 To 50, Deduct</i>	-9.59	
			<i>For >50 To 100, Deduct</i>	-15.34	
			<i>For >100, Deduct</i>	-23.00	
32 93 53 00-0070	EA		Bulb Planting.....	1.28	
			<i>For >10 To 25, Deduct</i>	-0.06	
			<i>For >25 To 50, Deduct</i>	-0.16	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100, Deduct</i>	-0.38	
32 93 53 00-0071	EA		Flats Of 24 Groundcover And Flower Planting.....	35.78	
			<i>For >10 To 25, Deduct</i>	-1.79	
			<i>For >25, Deduct</i>	-4.47	
32 93 53 00-0072	EA		Flats Of 36 Groundcover And Flower Planting.....	50.76	
			<i>For >10 To 25, Deduct</i>	-2.54	
			<i>For >25, Deduct</i>	-6.35	
32 93 53 00-0073	EA		Flats Of 48 Groundcover And Flower Planting.....	67.58	
			<i>For >10 To 25, Deduct</i>	-3.38	
			<i>For >25, Deduct</i>	-8.45	

32 93 53 00-0074 Tree Pits (32 93 53)

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 53 00-0075	EA		2' x 1-1/4' Deep Tree Pit.....	116.03	
32 93 53 00-0076	EA		2' x 2-1/2' Deep Tree Pit.....	174.00	
32 93 53 00-0077	EA		2-1/2' x 1-1/2' Deep Tree Pit.....	225.91	
32 93 53 00-0078	EA		2-1/2' x 3' Deep Tree Pit.....	338.81	
32 93 53 00-0079	EA		3' x 1-3/4' Deep Tree Pit.....	346.57	
32 93 53 00-0080	EA		3' x 3-1/2' Deep Tree Pit.....	516.86	
32 93 53 00-0081	EA		3-1/2' x 1-3/4' Deep Tree Pit.....	423.40	
32 93 53 00-0082	EA		3-1/2' x 3-1/2' Deep Tree Pit.....	634.11	
32 93 53 00-0083	EA		4' x 2' Deep Tree Pit.....	505.58	

32 Exterior Improvements

32 90 Planting

32 93 Plants

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0084	EA		4' x 4' Deep Tree Pit.....	757.90	
32 93 53 00-0085	EA		4-1/2' x 2' Deep Tree Pit	725.61	
32 93 53 00-0086	EA		4-1/2' x 4' Deep Tree Pit	1,090.81	
32 93 53 00-0087	EA		5' x 2-1/4' Deep Tree Pit	965.20	
32 93 53 00-0088	EA		5' x 4-1/2' Deep Tree Pit	1,436.49	
32 93 53 00-0089	EA		6' x 2-1/2' Deep Tree Pit	1,368.93	
32 93 53 00-0090	EA		6' x 5' Deep Tree Pit.....	2,049.99	
32 93 53 00-0091	EA		7' x 3' Deep Tree Pit.....	2,304.78	
32 93 53 00-0092	EA		7' x 6' Deep Tree Pit.....	3,477.77	
32 93 53 00-0093	EA		8' x 3-1/4' Deep Tree Pit	3,163.61	
32 93 53 00-0094	EA		8' x 6-1/2' Deep Tree Pit	4,743.16	

32 94 Planting Accessories (32 90)

32 94 13 Landscape Edging (32 94)

Note: Including stakes.

32 94 13 00-0001 Landscape Edging (32 94 13)

Note: Includes stakes.

32 94 13 00-0002	LF		1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	8.71	3.09
32 94 13 00-0003	LF		1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	9.24	3.09
32 94 13 00-0004	LF		1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	9.27	3.09
32 94 13 00-0005	LF		3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	10.26	3.19
32 94 13 00-0006	LF		3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	10.91	3.19
32 94 13 00-0007	LF		3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	10.90	3.19
32 94 13 00-0008	LF		1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	9.57	3.29
32 94 13 00-0009	LF		1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	10.29	3.29
32 94 13 00-0010	LF		1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	10.36	3.29
32 94 13 00-0011	LF		3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	11.35	3.40
32 94 13 00-0012	LF		3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	12.08	3.40
32 94 13 00-0013	LF		3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	12.14	3.40
32 94 13 00-0014	LF		3/16" x 4" Powder Coated Steel Landscape Edging.....	10.24	3.19
32 94 13 00-0015	LF		1/4" x 5" Powder Coated Steel Landscape Edging	13.08	3.19

32 94 16 Landscape Timbers (32 94)

32 94 16 00-0001	LF		6" x 8" Railroad Ties	13.61	5.18
32 94 16 00-0002	LF		7" x 9" Railroad Ties	16.60	6.50
32 94 16 00-0003	LF		4" x 6" Pressure Treated Hardwood.....	10.33	3.73
32 94 16 00-0004	LF		6" x 6" Pressure Treated Hardwood.....	13.38	4.67
32 94 16 00-0005	LF		6" x 8" Pressure Treated Hardwood.....	15.63	5.48
32 94 16 00-0006	LF		1" x 4" Pressure Treated Pine.....	4.22	1.86
32 94 16 00-0007	LF		2" x 4" Pressure Treated Pine.....	6.37	2.80
32 94 16 00-0008	LF		4" x 6" Pressure Treated Pine.....	9.82	3.62
32 94 16 00-0009	LF		6" x 6" Pressure Treated Pine.....	13.29	4.67
32 94 16 00-0010	LF		6" x 8" Pressure Treated Pine.....	16.20	5.48

32 94 43 Tree Grates (32 94)

32 94 43 00-0001 Tree Grates With Frames (32 94 43)

32 94 43 00-0002 Round Cast Iron Tree Grates With Frames (32 94 43 00-0001)

32 94 43 00-0003	EA		32" Diameter, 100 To 150 LB Cast Iron Tree Grate With Frame	649.86	69.01
			For >3 To 9, Deduct	-38.39	
			For >9, Deduct	-79.33	
32 94 43 00-0004	EA		36" Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame	742.91	69.01
			For >3 To 9, Deduct	-45.37	
			For >9, Deduct	-93.76	
32 94 43 00-0005	EA		42" Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame	905.23	92.01
			For >3 To 9, Deduct	-54.09	
			For >9, Deduct	-111.79	
32 94 43 00-0006	EA		48" Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame	1,107.77	92.01
			For >3 To 9, Deduct	-69.28	
			For >9, Deduct	-143.18	
32 94 43 00-0007	EA		54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame	1,417.90	115.02
			For >3 To 9, Deduct	-89.09	
			For >9, Deduct	-184.12	
32 94 43 00-0008	EA		60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame	1,502.22	138.02
			For >3 To 9, Deduct	-91.96	
			For >9, Deduct	-190.06	
32 94 43 00-0009	EA		60" Diameter, >350 LB Cast Iron Tree Grate With Frame	1,643.17	138.02
			For >3 To 9, Deduct	-102.53	
			For >9, Deduct	-211.91	
32 94 43 00-0010	EA		72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame	2,197.49	195.53
			For >3 To 9, Deduct	-135.48	
			For >9, Deduct	-280.00	
32 94 43 00-0011	EA		72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame	2,279.60	195.53
			For >3 To 9, Deduct	-141.64	
			For >9, Deduct	-292.72	
32 94 43 00-0012	EA		72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame	2,348.03	195.53
			For >3 To 9, Deduct	-146.77	
			For >9, Deduct	-303.33	
32 94 43 00-0013	EA		72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame	2,402.77	195.53
			For >3 To 9, Deduct	-150.88	
			For >9, Deduct	-311.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0014	EA		72" Diameter, >700 LB Cast Iron Tree Grate With Frame	2,443.82	195.53
			<i>For >3 To 9, Deduct</i>	-153.96	
			<i>For >9, Deduct</i>	-318.18	
32 94 43 00-0015	EA		93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame	2,693.47	230.04
			<i>For >3 To 9, Deduct</i>	-167.50	
			<i>For >9, Deduct</i>	-346.18	
32 94 43 00-0016			Square Cast Iron Tree Grates With Frames <small>(32 94 43 00-0001)</small>		
32 94 43 00-0017	EA		30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame.....	603.32	69.01
			<i>For >3 To 9, Deduct</i>	-34.90	
			<i>For >9, Deduct</i>	-72.12	
32 94 43 00-0018	EA		36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame.....	719.64	69.01
			<i>For >3 To 9, Deduct</i>	-43.62	
			<i>For >9, Deduct</i>	-90.15	
32 94 43 00-0019	EA		48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame	1,078.51	115.02
			<i>For >3 To 9, Deduct</i>	-63.64	
			<i>For >9, Deduct</i>	-131.51	
32 94 43 00-0020	EA		48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame.....	1,256.42	115.02
			<i>For >3 To 9, Deduct</i>	-76.98	
			<i>For >9, Deduct</i>	-159.09	
32 94 43 00-0021	EA		48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame.....	1,420.64	115.02
			<i>For >3 To 9, Deduct</i>	-89.30	
			<i>For >9, Deduct</i>	-184.54	
32 94 43 00-0022	EA		48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame.....	1,571.17	115.02
			<i>For >3 To 9, Deduct</i>	-100.58	
			<i>For >9, Deduct</i>	-207.88	
32 94 43 00-0023	EA		48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame.....	1,708.02	115.02
			<i>For >3 To 9, Deduct</i>	-110.85	
			<i>For >9, Deduct</i>	-229.09	
32 94 43 00-0024	EA		48" x 48", >400 LB Cast Iron Tree Grate With Frame.....	1,831.18	115.02
			<i>For >3 To 9, Deduct</i>	-120.09	
			<i>For >9, Deduct</i>	-248.18	
32 94 43 00-0025	EA		60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame	1,800.04	161.03
			<i>For >3 To 9, Deduct</i>	-110.85	
			<i>For >9, Deduct</i>	-229.09	
32 94 43 00-0026	EA		60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame.....	1,923.20	161.03
			<i>For >3 To 9, Deduct</i>	-120.09	
			<i>For >9, Deduct</i>	-248.18	
32 94 43 00-0027	EA		60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame.....	2,032.68	161.03
			<i>For >3 To 9, Deduct</i>	-128.30	
			<i>For >9, Deduct</i>	-265.15	
32 94 43 00-0028	EA		60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame.....	2,128.48	161.03
			<i>For >3 To 9, Deduct</i>	-135.48	
			<i>For >9, Deduct</i>	-280.00	
32 94 43 00-0029	EA		60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame.....	2,210.59	161.03
			<i>For >3 To 9, Deduct</i>	-141.64	
			<i>For >9, Deduct</i>	-292.72	
32 94 43 00-0030	EA		60" x 60", >600 LB Cast Iron Tree Grate With Frame.....	2,279.02	161.03
			<i>For >3 To 9, Deduct</i>	-146.77	
			<i>For >9, Deduct</i>	-303.33	
32 94 43 00-0031	EA		72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame	2,197.49	195.53
			<i>For >3 To 9, Deduct</i>	-135.48	
			<i>For >9, Deduct</i>	-280.00	
32 94 43 00-0032	EA		72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame.....	2,279.60	195.53
			<i>For >3 To 9, Deduct</i>	-141.64	
			<i>For >9, Deduct</i>	-292.72	
32 94 43 00-0033	EA		72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame.....	2,348.03	195.53
			<i>For >3 To 9, Deduct</i>	-146.77	
			<i>For >9, Deduct</i>	-303.33	
32 94 43 00-0034	EA		72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame.....	2,402.77	195.53
			<i>For >3 To 9, Deduct</i>	-150.88	
			<i>For >9, Deduct</i>	-311.81	
32 94 43 00-0035	EA		72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame.....	2,443.82	195.53
			<i>For >3 To 9, Deduct</i>	-153.96	
			<i>For >9, Deduct</i>	-318.18	
32 94 43 00-0036	EA		72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame.....	2,471.19	195.53
			<i>For >3 To 9, Deduct</i>	-156.01	
			<i>For >9, Deduct</i>	-322.42	
32 94 43 00-0037	EA		72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame.....	2,484.87	195.53
			<i>For >3 To 9, Deduct</i>	-157.04	
			<i>For >9, Deduct</i>	-324.54	
32 94 43 00-0038	EA		72" x 72", >850 LB Cast Iron Tree Grate With Frame.....	2,498.56	195.53
			<i>For >3 To 9, Deduct</i>	-158.06	
			<i>For >9, Deduct</i>	-326.66	
32 94 43 00-0039			Rectangular Cast Iron Tree Grates With Frames <small>(32 94 43 00-0001)</small>		
32 94 43 00-0040	EA		36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame.....	1,107.77	92.01
			<i>For >3 To 9, Deduct</i>	-69.28	
			<i>For >9, Deduct</i>	-143.18	
32 94 43 00-0041	EA		36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame.....	1,128.29	92.01
			<i>For >3 To 9, Deduct</i>	-70.82	
			<i>For >9, Deduct</i>	-146.36	
32 94 43 00-0042	EA		36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame.....	1,380.95	115.02
			<i>For >3 To 9, Deduct</i>	-86.32	
			<i>For >9, Deduct</i>	-178.39	

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0043	EA		48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame	1,609.49	115.02
			<i>For >3 To 9, Deduct</i>	-103.46	
			<i>For >9, Deduct</i>	-213.81	
32 94 43 00-0044	EA		48" x 72", >350 LB Cast Iron Tree Grate With Frame	1,708.02	115.02
			<i>For >3 To 9, Deduct</i>	-110.85	
			<i>For >9, Deduct</i>	-229.09	
32 94 43 00-0045	EA		60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame	2,320.65	195.53
			<i>For >3 To 9, Deduct</i>	-144.72	
			<i>For >9, Deduct</i>	-299.08	
32 94 49 Plant And Tree Accessories (32 94)					
32 94 49 00-0001			Tree Guying (32 94 49)		
32 94 49 00-0002			Tree Guying, Stakes (32 94 49 00-0001)		
			Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.		
32 94 49 00-0003	EA		Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	26.05	
32 94 49 00-0004	EA		Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	47.71	
32 94 49 00-0005	EA		Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	81.98	
32 94 49 00-0006			Tree Guying, Anchors (32 94 49 00-0001)		
			Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.		
32 94 49 00-0007	EA		Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	107.23	
32 94 49 00-0008	EA		Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	144.38	
32 94 49 00-0009	EA		Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	183.67	
32 94 49 00-0010	EA		Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	239.16	
32 94 49 00-0011			Tree Wrap (32 94 49)		
32 94 49 00-0012	EA		Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	7.42	
32 94 49 00-0013	EA		Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	12.09	
32 94 49 00-0014	EA		Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	23.50	
32 94 49 00-0015	EA		Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	35.20	
32 94 49 00-0016			Tree Guards (32 94 49)		
32 94 49 00-0017	EA		3' Preformed Plastic Tree Guard	11.98	
32 94 49 00-0018	EA		2' Preformed Plastic Tree Guard	11.22	
32 94 49 00-0019			Stake Out Tree And Shrub Locations (32 94 49)		
			Note: When no design available.		
32 94 49 00-0020	EA		Stake Out Trees Or Shrubs	7.72	
32 94 49 00-0021			Root Barriers (32 94 49)		
32 94 49 00-0022	EA		12" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	9.44	
32 94 49 00-0023	EA		18" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	12.53	
32 94 49 00-0024	EA		24" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	14.60	
32 94 49 00-0025	EA		36" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	25.51	
32 94 49 00-0026	EA		48" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	34.54	
32 96			Transplanting (32 96)		
			See CSI section 32 94 49 00-0001 for guying.		
32 96 33			Shrub Transplanting (32 96)		
			Note: Includes digging up, moving on site, digging new hole and replanting.		
32 96 33 00-0001			Moving Shrubs On Site, Relocate (32 96 33)		
			Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.		
32 96 33 00-0002	EA		Up To 18" Root Ball, Move Shrubs On Site	87.19	
			<i>For >25 To 50, Deduct</i>	-8.72	
			<i>For >50, Deduct</i>	-13.08	
32 96 33 00-0003	EA		>18" To 24" Root Ball, Move Shrubs On Site	117.96	
			<i>For >25 To 50, Deduct</i>	-11.80	
			<i>For >50, Deduct</i>	-17.69	
32 96 33 00-0004	EA		>24" To 30" Root Ball, Move Shrubs On Site	200.01	
			<i>For >25 To 50, Deduct</i>	-20.00	
			<i>For >50, Deduct</i>	-30.00	
32 96 33 00-0005	EA		>30" To 36" Root Ball, Move Shrubs On Site	307.72	
			<i>For >25 To 50, Deduct</i>	-30.77	
			<i>For >50, Deduct</i>	-46.16	
32 96 43			Tree Transplanting (32 96)		
32 96 43 00-0001			Moving Trees On Site, Relocate (32 96 43)		
			Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 32 94 49 00-0001 for guying.		
32 96 43 00-0002	EA		Up To 24" Root Ball, Move Trees On Site	316.19	
			<i>For >5 To 10, Deduct</i>	-15.81	
			<i>For >10 To 20, Deduct</i>	-31.62	
			<i>For >20, Deduct</i>	-47.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 43 00-0003	EA		>24" To 30" Root Ball, Move Trees On Site.....	433.64	
			<i>For >5 To 10, Deduct</i>	-21.68	
			<i>For >10 To 20, Deduct</i>	-43.36	
			<i>For >20, Deduct</i>	-65.05	
32 96 43 00-0004	EA		>30" To 36" Root Ball, Move Trees On Site.....	702.65	
			<i>For >5 To 10, Deduct</i>	-35.13	
			<i>For >10 To 20, Deduct</i>	-70.27	
			<i>For >20, Deduct</i>	-105.40	
32 96 43 00-0005	EA		>36" To 48" Root Ball, Move Trees On Site.....	1,167.48	
			<i>For >5 To 10, Deduct</i>	-58.37	
			<i>For >10 To 20, Deduct</i>	-116.75	
			<i>For >20, Deduct</i>	-175.12	
32 96 43 00-0006	EA		>48" To 60" Root Ball, Move Trees On Site.....	1,897.16	
			<i>For >5 To 10, Deduct</i>	-94.86	
			<i>For >10 To 20, Deduct</i>	-189.72	
			<i>For >20, Deduct</i>	-284.57	
32 96 43 00-0007	EA		>60" To 72" Root Ball, Move Trees On Site.....	2,447.94	
			<i>For >5 To 10, Deduct</i>	-122.40	
			<i>For >10 To 20, Deduct</i>	-244.79	
			<i>For >20, Deduct</i>	-367.19	
32 96 43 00-0008	EA		>72" To 84" Root Ball, Move Trees On Site.....	3,161.93	
			<i>For >5 To 10, Deduct</i>	-158.10	
			<i>For >10 To 20, Deduct</i>	-316.19	
			<i>For >20, Deduct</i>	-474.29	
32 96 43 00-0009	EA		>84" To 96" Root Ball, Move Trees On Site.....	3,794.31	
			<i>For >5 To 10, Deduct</i>	-189.72	
			<i>For >10 To 20, Deduct</i>	-379.43	
			<i>For >20, Deduct</i>	-569.15	
32 96 43 00-0010	EA		>96" To 120" Root Ball, Move Trees On Site.....	4,311.72	
			<i>For >5 To 10, Deduct</i>	-215.59	
			<i>For >10 To 20, Deduct</i>	-431.17	
			<i>For >20, Deduct</i>	-646.76	

END OF SECTION 32

32 Exterior Improvements

32 90 Planting

32 96 Transplanting

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----------------	------------------------	----------------------

33 Utilities

33 01 Operation And Maintenance Of Utilities (33)

33 01 10 Operation And Maintenance Of Water Utilities (33 01)

33 01 10 58 Disinfection of Water Utility Piping Systems (33 01 10)

33 01 10 58-0001 Water Main Disinfection/Sterilization (33 01 10 58)

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	1,122.00	
33 01 10 58-0003	EA Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	561.00	
33 01 10 58-0004	LF Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.42	
	<i>For >250 To 500, Deduct</i>	-0.02	
	<i>For >500 To 1,000, Deduct</i>	-0.04	
	<i>For >1,000 To 2,000, Deduct</i>	-0.06	
	<i>For >2,000 To 5,000, Deduct</i>	-0.08	
	<i>For >5,000, Deduct</i>	-0.11	
33 01 10 58-0005	LF 6" Diameter Pipe Water Main Disinfection/Sterilization	0.65	
	<i>For >250 To 500, Deduct</i>	-0.03	
	<i>For >500 To 1,000, Deduct</i>	-0.07	
	<i>For >1,000 To 2,000, Deduct</i>	-0.10	
	<i>For >2,000 To 5,000, Deduct</i>	-0.13	
	<i>For >5,000, Deduct</i>	-0.16	
33 01 10 58-0006	LF 8" Diameter Pipe Water Main Disinfection/Sterilization	0.85	
	<i>For >250 To 500, Deduct</i>	-0.04	
	<i>For >500 To 1,000, Deduct</i>	-0.09	
	<i>For >1,000 To 2,000, Deduct</i>	-0.13	
	<i>For >2,000 To 5,000, Deduct</i>	-0.17	
	<i>For >5,000, Deduct</i>	-0.21	
33 01 10 58-0007	LF 10" Diameter Pipe Water Main Disinfection/Sterilization	0.99	
	<i>For >250 To 500, Deduct</i>	-0.05	
	<i>For >500 To 1,000, Deduct</i>	-0.10	
	<i>For >1,000 To 2,000, Deduct</i>	-0.15	
	<i>For >2,000 To 5,000, Deduct</i>	-0.20	
	<i>For >5,000, Deduct</i>	-0.25	
33 01 10 58-0008	LF 12" Diameter Pipe Water Main Disinfection/Sterilization	1.29	
	<i>For >250 To 500, Deduct</i>	-0.06	
	<i>For >500 To 1,000, Deduct</i>	-0.13	
	<i>For >1,000 To 2,000, Deduct</i>	-0.19	
	<i>For >2,000 To 5,000, Deduct</i>	-0.26	
	<i>For >5,000, Deduct</i>	-0.32	
33 01 10 58-0009	LF >12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.46	
	<i>For >250 To 500, Deduct</i>	-0.07	
	<i>For >500 To 1,000, Deduct</i>	-0.15	
	<i>For >1,000 To 2,000, Deduct</i>	-0.22	
	<i>For >2,000 To 5,000, Deduct</i>	-0.29	
	<i>For >5,000, Deduct</i>	-0.37	
33 01 10 58-0010	LF >16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.68	
	<i>For >250 To 500, Deduct</i>	-0.08	
	<i>For >500 To 1,000, Deduct</i>	-0.17	
	<i>For >1,000 To 2,000, Deduct</i>	-0.25	
	<i>For >2,000 To 5,000, Deduct</i>	-0.34	
	<i>For >5,000, Deduct</i>	-0.42	
33 01 10 58-0011	LF >24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.98	
	<i>For >250 To 500, Deduct</i>	-0.10	
	<i>For >500 To 1,000, Deduct</i>	-0.20	
	<i>For >1,000 To 2,000, Deduct</i>	-0.30	
	<i>For >2,000 To 5,000, Deduct</i>	-0.40	
	<i>For >5,000, Deduct</i>	-0.50	
33 01 10 58-0012	LF >30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	2.55	
	<i>For >250 To 500, Deduct</i>	-0.13	
	<i>For >500 To 1,000, Deduct</i>	-0.26	
	<i>For >1,000 To 2,000, Deduct</i>	-0.38	
	<i>For >2,000 To 5,000, Deduct</i>	-0.51	
	<i>For >5,000, Deduct</i>	-0.64	
33 01 10 58-0013	LF >42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	3.74	
	<i>For >250 To 500, Deduct</i>	-0.19	
	<i>For >500 To 1,000, Deduct</i>	-0.37	
	<i>For >1,000 To 2,000, Deduct</i>	-0.56	
	<i>For >2,000 To 5,000, Deduct</i>	-0.75	
	<i>For >5,000, Deduct</i>	-0.94	
33 01 10 58-0014	LF >60" Diameter Pipe Water Main Disinfection/Sterilization	5.17	
	<i>For >250 To 500, Deduct</i>	-0.26	
	<i>For >500 To 1,000, Deduct</i>	-0.52	
	<i>For >1,000 To 2,000, Deduct</i>	-0.78	
	<i>For >2,000 To 5,000, Deduct</i>	-1.03	
	<i>For >5,000, Deduct</i>	-1.29	

33 01 10 79 Relining Pipelines (33 01 10)

See CSI section 33 01 30 79-0000 for relining water pipelines.

33 01 10 79-0001 Relining Underground Water Pipelines (33 01 10 79)

Note: Includes power washing. Excludes cleaning and video camera inspection of pipe.

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 10 Operation And Maintenance Of Water Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 10 79-0002		Sprayed On Cement Lining System <small>(33 01 10 79-0001)</small>	
		Note: 8,000 psi cement lining system. Applied by a robotic spin caster operating at 5,000 rpm. The spin caster is placed in the center of the sewer pipe and retrieved as the cementitious liner is centrifugally cast evenly around the pipe interior.	
33 01 10 79-0003		Mobilization And Setup For Sprayed On Cement Lining System <small>(33 01 10 79-0002)</small>	
33 01 10 79-0004	EA	Mobilization And Setup For Sprayed On Cement Lining System.....	4,568.80
33 01 10 79-0005		Sprayed On Cement Lining System <small>(33 01 10 79-0002)</small>	
33 01 10 79-0006	LF	Up To 50', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	479.72
33 01 10 79-0007	LF	>50' To 100', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	422.61
33 01 10 79-0008	LF	>100' To 200', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	371.22
33 01 10 79-0009	LF	>200', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	319.82
33 01 10 79-0010	LF	Up To 50', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	509.42
33 01 10 79-0011	LF	>50' To 100', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	452.31
33 01 10 79-0012	LF	>100' To 200', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	418.05
33 01 10 79-0013	LF	>200', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	342.66
33 01 10 79-0014	LF	Up To 50', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	517.17
33 01 10 79-0015	LF	>50' To 100', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	466.02
33 01 10 79-0016	LF	>100' To 200', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	435.18
33 01 10 79-0017	LF	>200', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	394.06
33 01 10 79-0018	LF	Up To 50', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	850.94
33 01 10 79-0019	LF	>50' To 100', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	828.10
33 01 10 79-0020	LF	>100' To 200', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	656.76
33 01 10 79-0021	LF	>200', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	622.50
33 01 10 79-0022	LF	Up To 50', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	776.70
33 01 10 79-0023	LF	>50' To 100', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	742.43
33 01 10 79-0024	LF	>100' To 200', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	662.48
33 01 10 79-0025	LF	>200', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	605.37
33 01 10 79-0026	LF	Up To 50', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	929.75
33 01 10 79-0027	LF	>50' To 100', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	902.34
33 01 10 79-0028	LF	>100' To 200', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	662.48
33 01 10 79-0029	LF	>200', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	616.79
33 01 10 79-0030	LF	Up To 50', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,119.36
33 01 10 79-0031	LF	>50' To 100', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,050.82
33 01 10 79-0032	LF	>100' To 200', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	776.70
33 01 10 79-0033	LF	>200', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	708.16
33 01 10 79-0034		Sprayed On Geopolymer Lining System <small>(33 01 10 79-0001)</small>	
		Note: Geopolymer lining system. Applied by a robotic spin caster. The spin caster is placed in the center of the sewer pipe and retrieved as the geopolymer liner is centrifugally cast evenly around the pipe interior.	
33 01 10 79-0035		Mobilization And Setup For Sprayed On Geopolymer Lining System <small>(33 01 10 79-0034)</small>	
33 01 10 79-0036	EA	Mobilization And Setup For Sprayed On Geopolymer Lining System.....	17,133.00
33 01 10 79-0037		Sprayed On Geopolymer Lining System <small>(33 01 10 79-0034)</small>	
33 01 10 79-0038	LF	36" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	356.94
33 01 10 79-0039	LF	42" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	406.91
33 01 10 79-0040	LF	48" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	464.02
33 01 10 79-0041	LF	54" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	549.68
33 01 10 79-0042	LF	60" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	749.57
33 01 10 79-0043	LF	66" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	956.59
33 01 10 79-0044	LF	72" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,142.20
33 01 10 79-0045	LF	78" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,249.28
33 01 10 79-0046	LF	84" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,392.06
33 01 10 79-0047	LF	90" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,591.94
33 01 10 79-0048	LF	96" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,998.85
33 01 10 79-0049	LF	102" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	2,398.62
33 01 30		Operation And Maintenance Of Sewer Utilities <small>(33 01)</small>	
33 01 30 11		Television Inspection Of Pipelines <small>(33 01 30)</small>	
		Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.	
33 01 30 11-0001		Remote Visual Inspection (RVI) Of Pipe Interior And Culverts <small>(33 01 30 11)</small>	
33 01 30 11-0002		Video Camera Inspection For Pipe Interior And Culverts <small>(33 01 30 11-0001)</small>	
33 01 30 11-0003	LF	Video Camera Inspection Of Pipe Interior Or Culvert	4.74
33 01 30 23		Pipe Bursting <small>(33 01 30)</small>	
33 01 30 23-0001		Pipe Bursting <small>(33 01 30 23)</small>	
		Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.	
33 01 30 23-0002		Pipe Lining <small>(33 01 30 23-0001)</small>	
33 01 30 23-0003		Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining <small>(33 01 30 23-0002)</small>	
		Note: Per each joint.	
33 01 30 23-0004	EA	4" To 15", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	126.01
33 01 30 23-0005	EA	>15" To 24", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	144.58

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0006	EA		>24" To 36", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining.....	172.43	
33 01 30 23-0007			High Density Polyethylene (HDPE) Pipe Lining, DR 17 <small>(33 01 30 23-0002)</small>		
			Note: Material only, to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0003 for pipe joint fusion.		
33 01 30 23-0008	LF		4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	3.29	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-0.31	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	0.84	
			For White Interior Pipe, Add	0.56	
			For Gray Interior Pipe, Add	0.43	
33 01 30 23-0009	LF		5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	4.22	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-0.47	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	1.27	
			For White Interior Pipe, Add	0.86	
			For Gray Interior Pipe, Add	0.65	
33 01 30 23-0010	LF		6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	5.82	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-0.75	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	2.03	
			For White Interior Pipe, Add	1.37	
			For Gray Interior Pipe, Add	1.04	
33 01 30 23-0011	LF		7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	6.51	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-0.87	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	2.35	
			For White Interior Pipe, Add	1.59	
			For Gray Interior Pipe, Add	1.20	
33 01 30 23-0012	LF		8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	8.78	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-1.27	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	3.44	
			For White Interior Pipe, Add	2.32	
			For Gray Interior Pipe, Add	1.76	
33 01 30 23-0013	LF		10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	12.72	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-1.97	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	5.34	
			For White Interior Pipe, Add	3.61	
			For Gray Interior Pipe, Add	2.73	
33 01 30 23-0014	LF		12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	17.21	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-2.77	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	7.52	
			For White Interior Pipe, Add	5.07	
			For Gray Interior Pipe, Add	3.84	
33 01 30 23-0015	LF		13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	18.81	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-3.04	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	8.27	
			For White Interior Pipe, Add	5.58	
			For Gray Interior Pipe, Add	4.23	
33 01 30 23-0016	LF		14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	20.50	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-3.34	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	9.07	
			For White Interior Pipe, Add	6.12	
			For Gray Interior Pipe, Add	4.64	
33 01 30 23-0017	LF		16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	26.28	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-4.36	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	11.84	
			For White Interior Pipe, Add	7.99	
			For Gray Interior Pipe, Add	6.05	
33 01 30 23-0018	LF		18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	32.87	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-5.52	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	14.99	
			For White Interior Pipe, Add	10.12	
			For Gray Interior Pipe, Add	7.67	
33 01 30 23-0019	LF		20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	40.21	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-6.81	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	18.50	
			For White Interior Pipe, Add	12.49	
			For Gray Interior Pipe, Add	9.46	
33 01 30 23-0020	LF		22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	48.33	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-8.24	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	22.39	
			For White Interior Pipe, Add	15.11	
			For Gray Interior Pipe, Add	11.45	
33 01 30 23-0021	LF		24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	57.26	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-9.81	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	26.65	
			For White Interior Pipe, Add	17.99	
			For Gray Interior Pipe, Add	13.63	
33 01 30 23-0022	LF		26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	66.93	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-11.51	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	31.26	
			For White Interior Pipe, Add	21.09	
			For Gray Interior Pipe, Add	15.98	
33 01 30 23-0023	LF		28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	77.47	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-13.35	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	36.26	
			For White Interior Pipe, Add	24.47	
			For Gray Interior Pipe, Add	18.54	
33 01 30 23-0024	LF		30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	88.81	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-15.32	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	41.62	
			For White Interior Pipe, Add	28.09	
			For Gray Interior Pipe, Add	21.28	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 23-0025	LF	32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining..... <i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i> <i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i> <i>For White Interior Pipe, Add</i> <i>For Gray Interior Pipe, Add</i>	100.98 -17.43 47.35 31.95 24.21	
33 01	30 23-0026	LF	34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining..... <i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i> <i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i> <i>For White Interior Pipe, Add</i> <i>For Gray Interior Pipe, Add</i>	124.21 -21.51 58.43 39.43 29.87	
33 01	30 23-0027	LF	36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining..... <i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i> <i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i> <i>For White Interior Pipe, Add</i> <i>For Gray Interior Pipe, Add</i>	128.09 -22.06 59.93 40.44 30.64	
33 01 30 23-0028 Re-Connection Of Non-Renewed Laterals (33 01 30 23-0001)					
33 01 30 23-0029 Re-Connection Of Non-Renewed Laterals; Insert-A-Tee (33 01 30 23-0028)					
Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles (24 kilometers).					
33 01	30 23-0030	EA	Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee..... <i>For No Excavation, Deduct</i>	1,178.28 -786.50	
33 01	30 23-0031	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee..... <i>For No Excavation, Deduct</i>	1,323.71 -884.81	
33 01	30 23-0032	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee..... <i>For No Excavation, Deduct</i>	1,397.23 -933.96	
33 01	30 23-0033	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee..... <i>For No Excavation, Deduct</i>	1,470.78 -983.12	
33 01	30 23-0034	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee..... <i>For No Excavation, Deduct</i>	1,575.82 -1,032.28	
33 01	30 23-0035	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee..... <i>For No Excavation, Deduct</i>	1,482.39 -983.12	
33 01	30 23-0036	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee..... <i>For No Excavation, Deduct</i>	1,557.58 -1,032.28	
33 01	30 23-0037	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee..... <i>For No Excavation, Deduct</i>	1,656.00 -1,081.44	
33 01	30 23-0038	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee..... <i>For No Excavation, Deduct</i>	1,867.15 -1,130.59	
33 01	30 23-0039	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee..... <i>For No Excavation, Deduct</i>	1,960.58 -1,179.75	
33 01	30 23-0040	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee..... <i>For No Excavation, Deduct</i>	2,272.87 -1,228.90	
33 01 30 23-0041 Re-Connection Of Non-Renewed Laterals; Saddle Style (33 01 30 23-0028)					
Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0034 for hauling.					
33 01	30 23-0042	EA	Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	2,637.03 -877.79 -218.90	
33 01	30 23-0043	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	2,908.45 -912.90 -202.76	
33 01	30 23-0044	EA	Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	4,037.32 -948.01 -58.01	
33 01	30 23-0045	EA	Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	4,247.98 -1,053.34 -100.14	
33 01	30 23-0046	EA	Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	7,479.33 -1,123.57 335.40	
33 01	30 23-0047	EA	Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	8,106.45 -1,246.46 343.45	
33 01	30 23-0048	EA	Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	10,890.49 -1,369.35 675.03	
33 01	30 23-0049	EA	Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	10,382.54 -1,544.91 475.95	
33 01	30 23-0050	EA	Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	12,610.05 -1,825.80 613.45	
33 01 30 41 Cleaning Of Sewers (33 01 30)					
33 01	30 41-0001		Pipe Line Cleaning And Flushing (33 01 30 41) Note: Includes flushing. Owner provided water.		
33 01	30 41-0002		Pipe Line Cleaning (33 01 30 41-0001) Note: Excludes debris disposal.		
33 01	30 41-0003		Hydro Jet Cleaning Of Pipes (33 01 30 41-0002) Note: Excludes removal of material.		

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

33 01 30 41-0004	LF	10" To 12" Diameter Pipe Line Cleaning, Hydro Jetting Method.....		2.06	
		<i>For >250 To 500, Deduct</i>		-0.10	
		<i>For >500 To 1,000, Deduct</i>		-0.21	
		<i>For >1,000 To 2,000, Deduct</i>		-0.31	
		<i>For >2,000 To 5,000, Deduct</i>		-0.41	
		<i>For >5,000, Deduct</i>		-0.52	
33 01 30 41-0005	LF	>12" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method.....		4.19	
		<i>For >250 To 500, Deduct</i>		-0.21	
		<i>For >500 To 1,000, Deduct</i>		-0.42	
		<i>For >1,000 To 2,000, Deduct</i>		-0.63	
		<i>For >2,000 To 5,000, Deduct</i>		-0.84	
		<i>For >5,000, Deduct</i>		-1.05	
33 01 30 41-0006	LF	>24" To 48" Diameter Pipe Line Cleaning, Hydro Jetting Method.....		6.92	
		<i>For >250 To 500, Deduct</i>		-0.35	
		<i>For >500 To 1,000, Deduct</i>		-0.69	
		<i>For >1,000 To 2,000, Deduct</i>		-1.04	
		<i>For >2,000 To 5,000, Deduct</i>		-1.38	
		<i>For >5,000, Deduct</i>		-1.73	
33 01 30 41-0007	LF	>48" To 72" Diameter Pipe Line Cleaning, Hydro Jetting Method.....		9.67	
		<i>For >250 To 500, Deduct</i>		-0.48	
		<i>For >500 To 1,000, Deduct</i>		-0.97	
		<i>For >1,000 To 2,000, Deduct</i>		-1.45	
		<i>For >2,000 To 5,000, Deduct</i>		-1.93	
		<i>For >5,000, Deduct</i>		-2.42	
33 01 30 41-0008	LF	>72" To 96" Diameter Pipe Line Cleaning, Hydro Jetting Method.....		12.49	
		<i>For >250 To 500, Deduct</i>		-0.62	
		<i>For >500 To 1,000, Deduct</i>		-1.25	
		<i>For >1,000 To 2,000, Deduct</i>		-1.87	
		<i>For >2,000 To 5,000, Deduct</i>		-2.50	
		<i>For >5,000, Deduct</i>		-3.12	

33 01 30 42 Cleaning of Manholes (33 01 30)

33 01 30 42-0001	Structure Cleaning And Flushing		<small>(33 01 30 42)</small>		
		<small>Note: Includes flushing. Owner provided water.</small>			
33 01 30 42-0002	Cleaning Manholes And Drainage Structures With Jet/Vacuum		<small>(33 01 30 42-0001)</small>		
		<small>Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.</small>			
33 01 30 42-0003	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes.....		270.83	
33 01 30 42-0004	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes.....		252.14	
33 01 30 42-0005	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes.....		233.45	
33 01 30 42-0006	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes.....		214.76	
33 01 30 42-0007	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes.....		196.07	
33 01 30 42-0008	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes.....		177.38	

33 01 30 43 Removal of Protruding Service Connection (33 01 30)

33 01 30 43-0001	Trim Protruding Service Taps		<small>(33 01 30 43)</small>		
33 01 30 43-0002	EA	Trim Protruding Service Tap, 4", Robotic.....		704.65	
33 01 30 43-0003	EA	Trim Protruding Service Tap, 6", Robotic.....		775.11	
33 01 30 43-0004	EA	Trim Protruding Service Tap, 8", Robotic.....		845.58	

33 01 30 51 Maintenance Of Utilities (33 01 30)

33 01 30 51-0001	Pipe Repair		<small>(33 01 30 51)</small>		
33 01 30 51-0002	Pipe Repair Clamp, Full Circle, Single Band		<small>(33 01 30 51-0001)</small>		
		<small>Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.</small>			
33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		126.27	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		19.70	
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		178.31	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		29.69	
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		205.57	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		34.96	
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		233.95	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		40.22	
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		136.09	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		21.39	
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		189.44	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		31.68	
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		216.77	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		36.83	
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		250.16	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		43.10	
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		146.08	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		23.40	
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		196.95	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		33.12	
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		227.31	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		38.83	
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		264.47	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		46.10	
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		164.41	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		26.61	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	216.69	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	35.82	
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	262.68	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	43.61	
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	316.40	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	52.60	
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	412.42	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	70.65	
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	512.56	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	88.70	
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	624.89	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	108.81	
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	193.18	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	31.40	
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	256.01	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	42.60	
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	303.37	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	50.23	
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	355.75	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	58.37	
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	490.10	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	84.58	
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	595.72	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	103.14	
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	711.47	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	123.25	
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	253.98	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	37.57	
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	329.43	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	49.71	
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	397.52	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	60.16	
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	474.82	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	71.68	
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	627.78	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	99.31	
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	750.85	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	118.75	
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	889.82	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	139.77	
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	296.24	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	45.73	
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	396.77	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	63.25	
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	467.67	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	73.95	
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	573.28	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	91.46	
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	750.13	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	124.06	
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	855.51	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	138.66	
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,097.86	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	182.93	
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	337.54	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	51.58	
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	439.86	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	68.59	
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	530.82	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	83.00	
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	652.37	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	103.14	
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	837.03	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	136.23	
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	985.13	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	159.09	
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,249.20	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	206.28	

33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands (33 01 30 51-0001)

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA	14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	737.71	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	198.43	
33 01 30 51-0052	EA	14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,043.42	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	286.46	
33 01 30 51-0053	EA	14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,403.74	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	388.48	
33 01 30 51-0054	EA	14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,061.45	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	585.52	
33 01 30 51-0055	EA	15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	774.36	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	208.20	

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

33 01 30 51-0056	EA			15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,092.33	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	299.74	
33 01 30 51-0057	EA			15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,466.07	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	405.25	
33 01 30 51-0058	EA			15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,161.15	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	613.46	
33 01 30 51-0059	EA			15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	794.65	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	212.40	
33 01 30 51-0060	EA			15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,118.98	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	305.34	
33 01 30 51-0061	EA			15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,505.28	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	414.33	
33 01 30 51-0062	EA			15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,217.18	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	626.73	
33 01 30 51-0063	EA			16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	816.04	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	216.59	
33 01 30 51-0064	EA			16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,149.38	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	311.63	
33 01 30 51-0065	EA			16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,543.73	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	422.01	
33 01 30 51-0066	EA			16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,273.45	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	639.31	
33 01 30 51-0067	EA			17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	835.41	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	220.09	
33 01 30 51-0068	EA			17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,175.64	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	316.51	
33 01 30 51-0069	EA			17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,582.18	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	429.70	
33 01 30 51-0070	EA			17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,324.69	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	649.79	
33 01 30 51-0071	EA			17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	853.62	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	223.59	
33 01 30 51-0072	EA			17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,202.28	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	322.10	
33 01 30 51-0073	EA			17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,616.34	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	436.69	
33 01 30 51-0074	EA			17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,358.19	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	655.03	
33 01 30 51-0075	EA			18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	874.35	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	227.94	
33 01 30 51-0076	EA			18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,233.58	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	329.09	
33 01 30 51-0077	EA			18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,652.52	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	444.37	
33 01 30 51-0078	EA			18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,429.69	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	673.55	

33 01 30 51-0079 Repair Couplings and Fittings (33 01 30 51-0001)
33 01 30 51-0080 Couplings And Fittings For Copper Pipe, Compression (33 01 30 51-0079)
 Note: Includes gaskets. Dresser style 88.

33 01 30 51-0081 Copper Compression Repair Couplings (33 01 30 51-0080)

33 01 30 51-0082	EA	1/2" Copper Compression Repair Coupling	66.65
33 01 30 51-0083	EA	3/4" Copper Compression Repair Coupling	77.88
33 01 30 51-0084	EA	1" Copper Compression Repair Coupling	91.45
33 01 30 51-0085	EA	1-1/4" Copper Compression Repair Coupling	103.11
33 01 30 51-0086	EA	1-1/2" Copper Compression Repair Coupling	154.91

33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows (33 01 30 51-0080)

33 01 30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow	78.21
33 01 30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow	93.10
33 01 30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow	181.18
33 01 30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow	77.63

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	69.22	
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	80.98	
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	98.94	
33 01 30 51-0095		Copper Compression Repair Fitting, Tees (33 01 30 51-0090)		
33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee	140.32	
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee	114.75	
33 01 30 51-0098	EA	1" Copper Compression Repair Tee	135.97	
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee	115.49	
33 01 30 51-0100		Copper Compression Repair Fitting, Male Adapters (33 01 30 51-0090)		
33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter	67.05	
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter	55.72	
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter	64.66	
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter	80.24	
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter	93.23	
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter	102.74	
33 01 30 51-0107		Copper Compression Repair Fitting, Female Adapters (33 01 30 51-0090)		
33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter	77.66	
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter	84.11	
33 01 30 51-0110		Couplings And Fittings For Steel Pipe, Cast Body, Compression (33 01 30 51-0079)		
		Note: Includes gaskets. Dresser style 90.		
33 01 30 51-0111		Couplings For Steel Pipe, Cast Body (Compression) (33 01 30 51-0110)		
		Note: Includes gaskets.		
33 01 30 51-0112	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring	54.23	
33 01 30 51-0113	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring	56.73	
33 01 30 51-0114	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring	64.35	
33 01 30 51-0115	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring	72.04	
33 01 30 51-0116	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring	89.25	
33 01 30 51-0117	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring	108.25	
33 01 30 51-0118	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	55.47	
33 01 30 51-0119	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	58.10	
33 01 30 51-0120	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	64.56	
33 01 30 51-0121	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	72.67	
33 01 30 51-0122	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	91.33	
33 01 30 51-0123	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	109.17	
33 01 30 51-0124	EA	3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	99.28	
33 01 30 51-0125	EA	1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	116.10	
33 01 30 51-0126	EA	1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	122.17	
33 01 30 51-0127	EA	1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	139.28	
33 01 30 51-0128	EA	2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	169.16	
33 01 30 51-0129		Reducing Couplings For Steel Pipe (Compression) (33 01 30 51-0110)		
		Note: Includes armored gaskets.		
33 01 30 51-0130	EA	3/4" x 1/2" Reducing Coupling (Compression)	60.87	
33 01 30 51-0131	EA	1" x 3/4" Reducing Coupling (Compression)	65.70	
33 01 30 51-0132	EA	1-1/4" x 3/4" Reducing Coupling (Compression)	74.30	
33 01 30 51-0133	EA	1-1/4" x 1" Reducing Coupling (Compression)	76.58	
33 01 30 51-0134	EA	1-1/2" x 3/4" Reducing Coupling (Compression)	136.99	
33 01 30 51-0135	EA	1-1/2" x 1" Reducing Coupling (Compression)	92.80	
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression)	93.12	
33 01 30 51-0137	EA	2" x 3/4" Reducing Coupling (Compression)	163.71	
33 01 30 51-0138	EA	2" x 1" Reducing Coupling (Compression)	151.02	
33 01 30 51-0139	EA	2" x 1-1/4" Reducing Coupling (Compression)	120.81	
33 01 30 51-0140	EA	2" x 1-1/2" Reducing Coupling (Compression)	120.48	
33 01 30 51-0141		Steel Compression Repair Fittings, Elbows (33 01 30 51-0110)		
		Note: Includes armored gaskets.		
33 01 30 51-0142	EA	1" 45 Degree Elbow (Compression)	94.84	
33 01 30 51-0143	EA	1-1/4" 45 Degree Elbow (Compression)	100.20	
33 01 30 51-0144	EA	1-1/2" 45 Degree Elbow (Compression)	128.78	
33 01 30 51-0145	EA	2" 45 Degree Elbow (Compression)	161.34	
33 01 30 51-0146	EA	3/4" 90 Degree Elbow (Compression)	66.14	
33 01 30 51-0147	EA	1" 90 Degree Elbow (Compression)	70.11	
33 01 30 51-0148	EA	1-1/4" 90 Degree Elbow (Compression)	81.72	
33 01 30 51-0149	EA	1-1/2" 90 Degree Elbow (Compression)	113.80	
33 01 30 51-0150	EA	2" 90 Degree Elbow (Compression)	126.70	
33 01 30 51-0151	EA	3/4" Plain End 90 Degree Street Elbow (Compression)	66.31	
33 01 30 51-0152	EA	1" Plain End 90 Degree Street Elbow (Compression)	61.87	
33 01 30 51-0153	EA	1-1/4" Plain End 90 Degree Street Elbow (Compression)	70.07	
33 01 30 51-0154	EA	1-1/2" Plain End 90 Degree Street Elbow (Compression)	88.40	
33 01 30 51-0155	EA	2" Plain End 90 Degree Street Elbow (Compression)	112.34	
33 01 30 51-0156	EA	3/4" Threaded End 90 Degree Street Elbow (Compression)	68.10	
33 01 30 51-0157	EA	1" Threaded End 90 Degree Street Elbow (Compression)	65.22	
33 01 30 51-0158	EA	1-1/4" Threaded End 90 Degree Street Elbow (Compression)	82.52	
33 01 30 51-0159	EA	1-1/2" Threaded End 90 Degree Street Elbow (Compression)	100.28	

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

33 01 30 51-0160	EA		2" Threaded End 90 Degree Street Elbow (Compression)	137.74	
33 01 30 51-0161			Steel Compression Repair Fittings, Tees <small>(33 01 30 51-0110)</small>		
Note: Includes armored gaskets.					
33 01 30 51-0162	EA		3/4" Street Tee (Compression)	77.60	
33 01 30 51-0163	EA		1" Street Tee (Compression)	91.15	
33 01 30 51-0164	EA		1-1/4" Street Tee (Compression)	94.92	
33 01 30 51-0165	EA		1-1/2" Street Tee (Compression)	111.93	
33 01 30 51-0166	EA		2" Street Tee (Compression)	159.84	
33 01 30 51-0167	EA		1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression)	94.28	
33 01 30 51-0168	EA		1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression)	97.52	
33 01 30 51-0169	EA		1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression)	122.10	
33 01 30 51-0170	EA		1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression)	136.75	
33 01 30 51-0171	EA		1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression)	137.40	
33 01 30 51-0172	EA		1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression)	120.72	
33 01 30 51-0173	EA		2" x 1-1/4" x 2" Reducing Street Tee (Compression)	156.67	
33 01 30 51-0174	EA		2" x 1-1/2" x 2" Reducing Street Tee (Compression)	172.96	
33 01 30 51-0175	EA		3/4" Welding Street Tee (Compression)	126.45	
33 01 30 51-0176	EA		1" Welding Street Tee (Compression)	129.82	
33 01 30 51-0177	EA		1-1/4" Welding Street Tee (Compression)	140.75	
33 01 30 51-0178	EA		1-1/2" Welding Street Tee (Compression)	170.55	
33 01 30 51-0179	EA		2" Welding Street Tee (Compression)	225.23	
33 01 30 51-0180	EA		3/4" Regular Tee (Compression)	98.03	
33 01 30 51-0181	EA		1" Regular Tee (Compression)	160.83	
33 01 30 51-0182	EA		1-1/4" Regular Tee (Compression)	171.69	
33 01 30 51-0183	EA		1-1/2" Regular Tee (Compression)	188.70	
33 01 30 51-0184	EA		2" Regular Tee (Compression)	212.04	
33 01 30 51-0185	EA		2" x 2" x 1-1/4" Regular Reducing Tee (Compression)	209.43	
33 01 30 51-0186			Steel Compression Repair Fittings, Male Adapters <small>(33 01 30 51-0110)</small>		
Note: Includes armored gaskets.					
33 01 30 51-0187	EA		3/4" Male Adapter (Compression)	65.99	
33 01 30 51-0188	EA		1" Male Adapter (Compression)	74.17	
33 01 30 51-0189	EA		1-1/4" Male Adapter (Compression)	94.42	
33 01 30 51-0190	EA		1-1/2" Male Adapter (Compression)	108.60	
33 01 30 51-0191	EA		2" Male Adapter (Compression)	123.98	
33 01 30 51-0192	EA		1" x 1-1/4" Male Adapter (Compression)	94.00	
33 01 30 51-0193			Steel Compression Repair Fittings, Line Caps <small>(33 01 30 51-0110)</small>		
Note: Includes armored gaskets.					
33 01 30 51-0194	EA		3/4" Line Caps (Compression)	34.99	
33 01 30 51-0195	EA		1" Line Caps (Compression)	40.75	
33 01 30 51-0196	EA		1-1/4" Line Caps (Compression)	46.60	
33 01 30 51-0197	EA		1-1/2" Line Caps (Compression)	55.43	
33 01 30 51-0198	EA		2" Line Caps (Compression)	68.10	
33 01 30 51-0199			Grind Offset Joint <small>(33 01 30 51-0001)</small>		
33 01 30 51-0200	EA		6" To 10", Grind Drop Offset Joint	422.79	
33 01 30 51-0201	EA		>10" To 15", Grind Drop Offset Joint	563.72	
33 01 30 51-0202	EA		>15" To 24", Grind Drop Offset Joint	704.65	
33 01 30 51-0203	EA		>24" To 30", Grind Drop Offset Joint	845.58	
33 01 30 51-0204			Temporary Pipe Plugging <small>(33 01 30 51-0001)</small>		
33 01 30 51-0205			Gravity Bladder Pipe Plugging <small>(33 01 30 51-0204)</small>		
Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.					
33 01 30 51-0206	EA		3/4" Bladder Type Pipe Plug	85.41	
33 01 30 51-0207	EA		1" Bladder Type Pipe Plug	91.40	
33 01 30 51-0208	EA		1-1/4" Bladder Type Pipe Plug	98.70	
33 01 30 51-0209	EA		1-1/2" Bladder Type Pipe Plug	105.49	
33 01 30 51-0210	EA		2" Bladder Type Pipe Plug	112.01	
33 01 30 51-0211	EA		2-1/2" Bladder Type Pipe Plug	119.30	
33 01 30 51-0212	EA		3" Bladder Type Pipe Plug	128.57	
33 01 30 51-0213	EA		4" Bladder Type Pipe Plug	141.47	
33 01 30 51-0214	EA		5" Bladder Type Pipe Plug	153.29	
33 01 30 51-0215	EA		6" Bladder Type Pipe Plug	170.98	
33 01 30 51-0216	EA		8" Bladder Type Pipe Plug	189.83	
33 01 30 51-0217	EA		10" Bladder Type Pipe Plug	220.02	
33 01 30 51-0218	EA		12" Bladder Type Pipe Plug	257.74	
33 01 30 51-0219	EA		14" Bladder Type Pipe Plug	306.70	
33 01 30 51-0220	EA		16" Bladder Type Pipe Plug	369.47	
33 01 30 51-0221	EA		18" Bladder Type Pipe Plug	444.85	
33 01 30 51-0222	EA		20" Bladder Type Pipe Plug	530.22	
33 01 30 51-0223	EA		24" Bladder Type Pipe Plug	612.27	
33 01 30 51-0224			Polyseal Pipe Coupler <small>(33 01 30 51-0001)</small>		
33 01 30 51-0225	EA		18" Diameter Pipe, PolySeal Repair Couplers (MarMac)	305.61	
33 01 30 51-0226	EA		24" Diameter Pipe, PolySeal Repair Couplers (MarMac)	345.86	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**33 01 30 61 Sewer and Pipe Joint Sealing (33 01 30)****33 01 30 61-0001 Joint Air Test (33 01 30 61)**

33 01 30 61-0002	EA	4" To 8", Joint Air Test	99.44
33 01 30 61-0003	EA	10" To 15", Joint Air Test	116.02
33 01 30 61-0004	EA	>15" To 21", Joint Air Test	132.58
33 01 30 61-0005	EA	>21" To 24", Joint Air Test	165.74
33 01 30 61-0006	EA	>24" To 27", Joint Air Test	198.88
33 01 30 61-0007	EA	>27" To 36", Joint Air Test	232.02

33 01 30 61-0008 Joint Seal And Joint Air Retest (33 01 30 61)

Note: Includes grout.			
33 01 30 61-0009	EA	4" Joint Seal And Joint Air Retest	285.08
Note: Includes up to 1 gallon of grout.			
33 01 30 61-0010	EA	6" Joint Seal And Joint Air Retest	318.22
Note: Includes 1 gallon of grout.			
33 01 30 61-0011	EA	8" Joint Seal And Joint Air Retest	371.25
Note: Includes 2 gallons of grout.			
33 01 30 61-0012	EA	10" Joint Seal And Joint Air Retest	414.36
Note: Includes 2.5 gallons of grout.			
33 01 30 61-0013	EA	12" Joint Seal And Joint Air Retest	457.45
Note: Includes 3 gallons of grout.			
33 01 30 61-0014	EA	15" Joint Seal And Joint Air Retest	538.66
Note: Includes 3.75 gallons of grout.			
33 01 30 61-0015	EA	18" Joint Seal And Joint Air Retest	619.87
Note: Includes 4.5 gallons of grout.			
33 01 30 61-0016	EA	21" Joint Seal And Joint Air Retest	701.09
Note: Includes 5.25 gallons of grout.			
33 01 30 61-0017	EA	24" Joint Seal And Joint Air Retest	815.46
Note: Includes 6 gallons of grout.			
33 01 30 61-0018	EA	27" Joint Seal And Joint Air Retest	929.82
Note: Includes 6.75 gallons of grout.			
33 01 30 61-0019	EA	30" Joint Seal And Joint Air Retest	1,077.32
Note: Includes 7.5 gallons of grout.			
33 01 30 61-0020	EA	36" Joint Seal And Joint Air Retest	1,239.74
Note: Includes 9 gallons of grout.			
33 01 30 61-0021	GAL	Extra Grout Per Joint	152.48
Note: For extra grout per joint required over listed amount.			

33 01 30 79 Relining Pipelines (33 01 30)**33 01 30 79-0001 Relining Underground Pipelines (33 01 30 79)**

Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups. 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 79-0002 Relining Underground Pipelines Set-Up And Reinsertion (33 01 30 79-0001)

33 01 30 79-0003	EA	Initial Set Up And Final Equipment Removal For Relining Underground Pipelines.....	5,249.95
33 01 30 79-0004	EA	Move And Reset Up At Different Access/Location For Relining Underground Pipelines	2,099.99

33 01 30 79-0005 Lining Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) (33 01 30 79-0001)

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting.

33 01 30 79-0006 Relining Underground Pipelines Set-Up And Reinsertion For CIPP (33 01 30 79-0005)

33 01 30 79-0007	EA	Initial Set Up And Final Equipment Removal For Relining Underground Pipelines CIPP	5,249.95
33 01 30 79-0008	EA	Move And Reset Up At Different Access/Location For Relining Underground Pipelines CIPP	2,099.99
33 01 30 79-0009	EA	Mixing Truck And Refrigeration For 12" To 24" CIPP	5,249.95
Note: Need to mix wet material in bag prior to installation.			
33 01 30 79-0010	EA	Mixing Truck And Refrigeration For 27" To 48" CIPP	10,499.91
Note: Need to mix wet material in bag prior to installation.			
33 01 30 79-0011	EA	Mixing Truck And Refrigeration For 54" To 72" CIPP	15,749.86
Note: Need to mix wet material in bag prior to installation.			

33 01 30 79-0012 6mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)

33 01 30 79-0013	LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	62.05
------------------	----	---	-------

33 01 30 79-0014 7.5mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)

33 01 30 79-0015	LF	7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	65.65
33 01 30 79-0016	LF	7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	77.48
33 01 30 79-0017	LF	7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	90.72

33 01 30 79-0018 9mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)

33 01 30 79-0019	LF	9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	69.10
33 01 30 79-0020	LF	9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	81.22
33 01 30 79-0021	LF	9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	95.14
33 01 30 79-0022	LF	9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	113.79
33 01 30 79-0023	LF	9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	123.79

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

33 01 30 79-0024 10.5mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)					
33 01 30 79-0025	LF		10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	85.44	
33 01 30 79-0026	LF		10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	100.09	
33 01 30 79-0027	LF		10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	116.95	
33 01 30 79-0028	LF		10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	129.92	
33 01 30 79-0029	LF		10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	144.76	
33 01 30 79-0030	LF		10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	161.95	
33 01 30 79-0031	LF		10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	188.14	

33 01 30 79-0032 12mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)					
33 01 30 79-0033	LF		12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	91.77	
33 01 30 79-0034	LF		12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	107.68	
33 01 30 79-0035	LF		12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	121.63	
33 01 30 79-0036	LF		12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	137.39	
33 01 30 79-0037	LF		12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	153.38	
33 01 30 79-0038	LF		12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	171.30	
33 01 30 79-0039	LF		12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	197.84	
33 01 30 79-0040	LF		12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	231.21	
33 01 30 79-0041	LF		12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	268.83	

33 01 30 79-0042 13.5mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)					
33 01 30 79-0043	LF		13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	96.61	
33 01 30 79-0044	LF		13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	112.43	
33 01 30 79-0045	LF		13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	128.27	
33 01 30 79-0046	LF		13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	144.33	
33 01 30 79-0047	LF		13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	161.77	
33 01 30 79-0048	LF		13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	180.25	
33 01 30 79-0049	LF		13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	208.92	
33 01 30 79-0050	LF		13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	238.84	
33 01 30 79-0051	LF		13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	280.91	

33 01 30 79-0052 15mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)					
33 01 30 79-0053	LF		15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	100.64	
33 01 30 79-0054	LF		15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	118.49	
33 01 30 79-0055	LF		15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	134.54	
33 01 30 79-0056	LF		15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	151.97	
33 01 30 79-0057	LF		15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	169.83	
33 01 30 79-0058	LF		15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	185.16	
33 01 30 79-0059	LF		15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	218.96	
33 01 30 79-0060	LF		15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	251.33	
33 01 30 79-0061	LF		15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	295.06	

33 01 30 79-0062 16.5mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)					
33 01 30 79-0063	LF		16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	123.82	
33 01 30 79-0064	LF		16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	140.78	
33 01 30 79-0065	LF		16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	159.36	
33 01 30 79-0066	LF		16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	177.90	
33 01 30 79-0067	LF		16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	210.26	
33 01 30 79-0068	LF		16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	227.45	
33 01 30 79-0069	LF		16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	263.78	
33 01 30 79-0070	LF		16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	309.21	
33 01 30 79-0071	LF		16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	359.05	

33 01 30 79-0072 18mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)					
33 01 30 79-0073	LF		18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	131.56	
33 01 30 79-0074	LF		18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	149.49	
33 01 30 79-0075	LF		18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	168.81	
33 01 30 79-0076	LF		18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	189.13	
33 01 30 79-0077	LF		18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	211.47	
33 01 30 79-0078	LF		18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	245.37	
33 01 30 79-0079	LF		18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	278.59	
33 01 30 79-0080	LF		18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	328.86	
33 01 30 79-0081	LF		18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	381.52	
33 01 30 79-0082	LF		18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	449.68	
33 01 30 79-0083	LF		18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	541.78	
33 01 30 79-0084	LF		18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	652.96	

33 01 30 79-0085 19.5mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)					
33 01 30 79-0086	LF		19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	136.82	
33 01 30 79-0087	LF		19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	154.43	
33 01 30 79-0088	LF		19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	176.43	
33 01 30 79-0089	LF		19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	197.15	
33 01 30 79-0090	LF		19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	219.90	
33 01 30 79-0091	LF		19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	256.43	
33 01 30 79-0092	LF		19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	293.12	
33 01 30 79-0093	LF		19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	347.85	
33 01 30 79-0094	LF		19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	397.55	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 01 30 79-0095	LF	19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	468.90	
33 01 30 79-0096	LF	19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	562.92	
33 01 30 79-0097	LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	676.03	
33 01 30 79-0098		21mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)		
33 01 30 79-0099	LF	21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	141.87	
33 01 30 79-0100	LF	21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	159.75	
33 01 30 79-0101	LF	21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	186.62	
33 01 30 79-0102	LF	21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	208.59	
33 01 30 79-0103	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	232.60	
33 01 30 79-0104	LF	21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	271.47	
33 01 30 79-0105	LF	21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	310.28	
33 01 30 79-0106	LF	21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	363.09	
33 01 30 79-0107	LF	21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	420.52	
33 01 30 79-0108	LF	21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	492.72	
33 01 30 79-0109	LF	21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	591.50	
33 01 30 79-0110	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	710.29	
33 01 30 79-0111		22.5mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)		
33 01 30 79-0112	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	145.22	
33 01 30 79-0113	LF	22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	165.58	
33 01 30 79-0114	LF	22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	193.44	
33 01 30 79-0115	LF	22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	216.52	
33 01 30 79-0116	LF	22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	241.61	
33 01 30 79-0117	LF	22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	282.13	
33 01 30 79-0118	LF	22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	322.66	
33 01 30 79-0119	LF	22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	377.04	
33 01 30 79-0120	LF	22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	436.47	
33 01 30 79-0121	LF	22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	510.30	
33 01 30 79-0122	LF	22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	610.83	
33 01 30 79-0123	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	731.39	
33 01 30 79-0124		24mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)		
33 01 30 79-0125	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	152.92	
33 01 30 79-0126	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	174.13	
33 01 30 79-0127	LF	24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	203.74	
33 01 30 79-0128	LF	24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	228.04	
33 01 30 79-0129	LF	24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	253.61	
33 01 30 79-0130	LF	24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	297.50	
33 01 30 79-0131	LF	24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	339.93	
33 01 30 79-0132	LF	24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	397.43	
33 01 30 79-0133	LF	24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	465.43	
33 01 30 79-0134	LF	24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	540.75	
33 01 30 79-0135	LF	24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	646.79	
33 01 30 79-0136	LF	24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	773.88	
33 01 30 79-0137		25.5mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)		
33 01 30 79-0138	LF	25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	179.82	
33 01 30 79-0139	LF	25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	210.80	
33 01 30 79-0140	LF	25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	230.36	
33 01 30 79-0141	LF	25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	263.22	
33 01 30 79-0142	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	308.24	
33 01 30 79-0143	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	352.32	
33 01 30 79-0144	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	411.37	
33 01 30 79-0145	LF	25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	473.93	
33 01 30 79-0146	LF	25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	554.19	
33 01 30 79-0147	LF	25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	661.57	
33 01 30 79-0148	LF	25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	790.00	
33 01 30 79-0149		27mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)		
33 01 30 79-0150	LF	27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	188.67	
33 01 30 79-0151	LF	27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	221.07	
33 01 30 79-0152	LF	27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	239.63	
33 01 30 79-0153	LF	27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	276.20	
33 01 30 79-0154	LF	27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	321.92	
33 01 30 79-0155	LF	27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	381.29	
33 01 30 79-0156	LF	27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	431.79	
33 01 30 79-0157	LF	27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	499.05	
33 01 30 79-0158	LF	27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	582.59	
33 01 30 79-0159	LF	27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	695.42	
33 01 30 79-0160	LF	27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	830.33	
33 01 30 79-0161		28.5mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)		
33 01 30 79-0162	LF	28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	227.92	
33 01 30 79-0163	LF	28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	248.22	
33 01 30 79-0164	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	247.69	
33 01 30 79-0165	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	334.38	
33 01 30 79-0166	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	386.75	

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

33 01 30 79-0167	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		445.61	
33 01 30 79-0168	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		514.85	
33 01 30 79-0169	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		600.00	
33 01 30 79-0170	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		714.58	
33 01 30 79-0171	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		851.23	

33 01 30 79-0172 30mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)

33 01 30 79-0173	LF	30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		234.26	
33 01 30 79-0174	LF	30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		258.43	
33 01 30 79-0175	LF	30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		298.03	
33 01 30 79-0176	LF	30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		349.88	
33 01 30 79-0177	LF	30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		399.83	
33 01 30 79-0178	LF	30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		466.24	
33 01 30 79-0179	LF	30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		538.67	
33 01 30 79-0180	LF	30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		627.89	
33 01 30 79-0181	LF	30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		747.98	
33 01 30 79-0182	LF	30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		891.26	

33 01 30 79-0183 31.5mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)

33 01 30 79-0184	LF	31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		236.95	
33 01 30 79-0185	LF	31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		265.78	
33 01 30 79-0186	LF	31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		296.48	
33 01 30 79-0187	LF	31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		359.16	
33 01 30 79-0188	LF	31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		411.99	
33 01 30 79-0189	LF	31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		480.24	
33 01 30 79-0190	LF	31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		554.43	
33 01 30 79-0191	LF	31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		645.40	
33 01 30 79-0192	LF	31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		767.23	
33 01 30 79-0193	LF	31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		912.26	

33 01 30 79-0194 33mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)

33 01 30 79-0195	LF	33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		247.58	
33 01 30 79-0196	LF	33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		277.26	
33 01 30 79-0197	LF	33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		309.34	
33 01 30 79-0198	LF	33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		376.34	
33 01 30 79-0199	LF	33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		430.13	
33 01 30 79-0200	LF	33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		501.19	
33 01 30 79-0201	LF	33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		578.54	
33 01 30 79-0202	LF	33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		673.76	
33 01 30 79-0203	LF	33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		801.30	
33 01 30 79-0204	LF	33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		953.19	

33 01 30 79-0205 34.5mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)

33 01 30 79-0206	LF	34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		284.55	
33 01 30 79-0207	LF	34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		317.47	
33 01 30 79-0208	LF	34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		380.05	
33 01 30 79-0209	LF	34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		442.01	
33 01 30 79-0210	LF	34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		513.08	
33 01 30 79-0211	LF	34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		594.18	
33 01 30 79-0212	LF	34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		689.87	
33 01 30 79-0213	LF	34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		819.02	
33 01 30 79-0214	LF	34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		972.52	

33 01 30 79-0215 36mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)

33 01 30 79-0216	LF	36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		296.19	
33 01 30 79-0217	LF	36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		330.47	
33 01 30 79-0218	LF	36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		388.89	
33 01 30 79-0219	LF	36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		460.37	
33 01 30 79-0220	LF	36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		536.04	
33 01 30 79-0221	LF	36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		618.65	
33 01 30 79-0222	LF	36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		719.78	
33 01 30 79-0223	LF	36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		854.91	
33 01 30 79-0224	LF	36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		1,015.63	

33 01 30 79-0225 37.5mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)

33 01 30 79-0226	LF	37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		338.74	
33 01 30 79-0227	LF	37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		398.74	
33 01 30 79-0228	LF	37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		472.16	
33 01 30 79-0229	LF	37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		549.90	
33 01 30 79-0230	LF	37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		632.12	
33 01 30 79-0231	LF	37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		735.93	
33 01 30 79-0232	LF	37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		872.68	
33 01 30 79-0233	LF	37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		1,035.01	

33 01 30 79-0234 39mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)

33 01 30 79-0235	LF	39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		414.54	
33 01 30 79-0236	LF	39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		490.84	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0237	LF		39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	571.36	
33 01 30 79-0238	LF		39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	659.12	
33 01 30 79-0239	LF		39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	766.40	
33 01 30 79-0240	LF		39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	909.35	
33 01 30 79-0241	LF		39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,079.17	
33 01 30 79-0242			40.5mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)		
33 01 30 79-0243	LF		40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	491.96	
33 01 30 79-0244	LF		40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	584.86	
33 01 30 79-0245	LF		40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	674.62	
33 01 30 79-0246	LF		40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	783.44	
33 01 30 79-0247	LF		40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	928.11	
33 01 30 79-0248	LF		40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,099.63	
33 01 30 79-0249			42mm Thick Lining Cured In-Place Pipe (33 01 30 79-0005)		
33 01 30 79-0250	LF		42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	606.65	
33 01 30 79-0251	LF		42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	699.86	
33 01 30 79-0252	LF		42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	813.24	
33 01 30 79-0253	LF		42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	964.21	
33 01 30 79-0254	LF		42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,143.35	
33 01 30 79-0255			Form And Fold Polyethylene (PE) Pipeliner (33 01 30 79-0001)		
33 01 30 79-0256	LF		4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	32.04	
			For DR 26 Pipe Liner, Add	5.20	
			For >500 To 1,000, Deduct	-0.84	
			For >1,000 To 2,000, Deduct	-1.69	
			For >2,000, Deduct	-3.38	
33 01 30 79-0257	LF		6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	40.36	
			For DR 26 Pipe Liner, Add	7.06	
			For DR 35 Pipe Liner, Deduct	-3.53	
			For >500 To 1,000, Deduct	-0.91	
			For >1,000 To 2,000, Deduct	-1.82	
			For >2,000, Deduct	-3.64	
33 01 30 79-0258	LF		8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	41.89	
			For DR 26 Pipe Liner, Add	7.19	
			For DR 35 Pipe Liner, Deduct	-3.60	
			For >500 To 1,000, Deduct	-0.98	
			For >1,000 To 2,000, Deduct	-1.97	
			For >2,000, Deduct	-3.94	
33 01 30 79-0259	LF		10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	57.47	
			For DR 26 Pipe Liner, Add	10.79	
			For DR 35 Pipe Liner, Deduct	-5.39	
			For DR 41 Pipe Liner, Deduct	-10.79	
			For >500 To 1,000, Deduct	-1.07	
			For >1,000 To 2,000, Deduct	-2.15	
			For >2,000, Deduct	-4.30	
33 01 30 79-0260	LF		12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	78.90	
			For DR 26 Pipe Liner, Add	15.79	
			For DR 35 Pipe Liner, Deduct	-7.89	
			For DR 41 Pipe Liner, Deduct	-15.79	
			For >500 To 1,000, Deduct	-1.18	
			For >1,000 To 2,000, Deduct	-2.36	
			For >2,000, Deduct	-4.73	
33 01 30 79-0261	LF		15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	106.81	
			For DR 35 Pipe Liner, Deduct	-11.11	
			For DR 41 Pipe Liner, Deduct	-22.23	
			For >500 To 1,000, Deduct	-1.34	
			For >1,000 To 2,000, Deduct	-2.69	
			For >2,000, Deduct	-5.37	
33 01 30 79-0262	LF		18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	149.12	
			For DR 41 Pipe Liner, Deduct	-12.89	
			For DR 50 Pipe Liner, Deduct	-25.78	
			For >500 To 1,000, Deduct	-1.52	
			For >1,000 To 2,000, Deduct	-3.03	
			For >2,000, Deduct	-6.06	
33 01 30 79-0263	LF		21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	168.32	
			For DR 50 Pipe Liner, Deduct	-21.97	
			For DR 55 Pipe Liner, Deduct	-36.61	
			For >500 To 1,000, Deduct	-1.64	
			For >1,000 To 2,000, Deduct	-3.28	
			For >2,000, Deduct	-6.56	
33 01 30 79-0264	LF		24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	204.29	
			For DR 60 Pipe Liner, Deduct	-27.06	
			For >500 To 1,000, Deduct	-1.79	
			For >1,000 To 2,000, Deduct	-3.58	
			For >2,000, Deduct	-7.16	
33 01 30 79-0265			Form And Fold Polyvinyl Chloride (PVC) Pipeliner (33 01 30 79-0001)		
33 01 30 79-0266	LF		4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	34.00	
			For >500 To 1,000, Deduct	-0.84	
			For >1,000 To 2,000, Deduct	-1.69	
			For >2,000, Deduct	-3.38	
			For DR 26 Pipe Liner, Add	5.69	

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

33 01 30 79-0267	LF	6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	40.36	
		<i>For >500 To 1,000, Deduct</i>	-0.91	
		<i>For >1,000 To 2,000, Deduct</i>	-1.82	
		<i>For >2,000, Deduct</i>	-3.64	
		<i>For DR 26 Pipe Liner, Add</i>	7.06	
		<i>For DR 35 Pipe Liner, Deduct</i>	-3.53	
33 01 30 79-0268	LF	8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	44.51	
		<i>For >500 To 1,000, Deduct</i>	-0.98	
		<i>For >1,000 To 2,000, Deduct</i>	-1.97	
		<i>For >2,000, Deduct</i>	-3.94	
		<i>For DR 26 Pipe Liner, Add</i>	7.85	
		<i>For DR 35 Pipe Liner, Deduct</i>	-3.92	
33 01 30 79-0269	LF	10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	61.39	
		<i>For >500 To 1,000, Deduct</i>	-1.07	
		<i>For >1,000 To 2,000, Deduct</i>	-2.15	
		<i>For >2,000, Deduct</i>	-4.30	
		<i>For DR 26 Pipe Liner, Add</i>	11.77	
		<i>For DR 35 Pipe Liner, Deduct</i>	-5.88	
		<i>For DR 41 Pipe Liner, Deduct</i>	-11.77	
33 01 30 79-0270	LF	12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	84.78	
		<i>For >500 To 1,000, Deduct</i>	-1.18	
		<i>For >1,000 To 2,000, Deduct</i>	-2.36	
		<i>For >2,000, Deduct</i>	-4.73	
		<i>For DR 26 Pipe Liner, Add</i>	17.26	
		<i>For DR 35 Pipe Liner, Deduct</i>	-8.63	
		<i>For DR 41 Pipe Liner, Deduct</i>	-17.26	
33 01 30 79-0271	LF	15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	115.18	
		<i>For >500 To 1,000, Deduct</i>	-1.34	
		<i>For >1,000 To 2,000, Deduct</i>	-2.69	
		<i>For >2,000, Deduct</i>	-5.37	
		<i>For DR 35 Pipe Liner, Deduct</i>	-12.16	
		<i>For DR 41 Pipe Liner, Deduct</i>	-24.32	
33 01 30 79-0272	LF	18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	161.41	
		<i>For >500 To 1,000, Deduct</i>	-1.52	
		<i>For >1,000 To 2,000, Deduct</i>	-3.03	
		<i>For >2,000, Deduct</i>	-6.06	
		<i>For DR 41 Pipe Liner, Deduct</i>	-14.12	
		<i>For DR 50 Pipe Liner, Deduct</i>	-28.24	
33 01 30 79-0273	LF	21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	181.91	
		<i>For >500 To 1,000, Deduct</i>	-1.64	
		<i>For >1,000 To 2,000, Deduct</i>	-3.28	
		<i>For >2,000, Deduct</i>	-6.56	
		<i>For DR 50 Pipe Liner, Deduct</i>	-24.00	
		<i>For DR 55 Pipe Liner, Deduct</i>	-40.01	
33 01 30 79-0274	LF	24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	221.55	
		<i>For >500 To 1,000, Deduct</i>	-1.79	
		<i>For >1,000 To 2,000, Deduct</i>	-3.58	
		<i>For >2,000, Deduct</i>	-7.16	
		<i>For DR 60 Pipe Liner, Deduct</i>	-29.65	

33 01 30 79-0275 Other Liner Pipe (33 01 30 79-0001)

33 01 30 79-0276 Polyvinyl Chloride (PVC) Liner Pipe (33 01 30 79-0275)

Note: Sanitary and storm sewer trenchless slip-lining.

33 01 30 79-0277	LF	12" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	21.93
33 01 30 79-0278	LF	15" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	31.99
33 01 30 79-0279	LF	18" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	42.90
33 01 30 79-0280	LF	21" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	53.00
33 01 30 79-0281	LF	24" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	68.22
33 01 30 79-0282	LF	27" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	81.38
33 01 30 79-0283	LF	30" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	92.92
33 01 30 79-0284	LF	36" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	129.87

33 01 30 79-0285 Laterals; Cutting, Grouting And Reinstatement (33 01 30 79-0001)

33 01 30 79-0286 Lateral Reinstatement/Reconnection (33 01 30 79-0285)

33 01 30 79-0287	EA	Cut Liner For Laterals, 4" (Robotic)	521.44
33 01 30 79-0288	EA	Cut Liner For Laterals, 6" (Robotic)	563.72
33 01 30 79-0289	EA	Cut Liner For Laterals, 8" (Robotic)	598.95
33 01 30 79-0290	EA	Cut Liner For Laterals, 10" (Robotic)	634.19
33 01 30 79-0291	EA	Cut Liner For Laterals, 12" (Robotic)	669.42

33 01 30 79-0292 Grout Lateral Service (33 01 30 79-0285)

33 01 30 79-0293 Grout Lateral Service - Bladder (33 01 30 79-0292)

33 01 30 79-0294	EA	Grout 4" Lateral Service - Bladder	550.24
33 01 30 79-0295	EA	Grout 6" Lateral Service - Bladder	626.48
33 01 30 79-0296	EA	Grout 8" Lateral Service - Bladder	702.71

33 01 30 79-0297 Grout Lateral Service - Robotic Trowel Application (33 01 30 79-0292)

33 01 30 79-0298	EA	Grout 4" To 8" Lateral Service - Robotic Trowel Application.....	593.32
33 01 30 79-0299	EA	Grout 10" To 12" Lateral Service - Robotic Trowel Application.....	636.43

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 01 30 79-0300		Lateral T-Liner (33 01 30 79-0285) Note: As manufactured by LMK.			
33 01 30 79-0301	EA	4" Lateral T-Liner		673.74	
33 01 30 79-0302	EA	6" Lateral T-Liner		744.07	
33 01 30 79-0303	EA	8" Lateral T-Liner		855.53	
33 01 30 79-0304		Lining Lateral Pipe (33 01 30 79-0285)			
33 01 30 79-0305		Lining Lateral Pipe (33 01 30 79-0304)			
33 01 30 79-0306	LF	6mm Lining 4" To 6" Lateral Pipe With Cured In-Place Pipe (CIPP).....		40.16	
		For 7.5mm, Add		4.42	
		For 9 mm, Add		8.93	
33 01 30 81		Manhole Rehabilitation (33 01 30)			
33 01 30 81-0001		Restoration And Rehabilitation Of Manholes (33 01 30 81) Note: Work is in confined spaces.			
33 01 30 81-0002		Manhole Seals (33 01 30 81-0001)			
33 01 30 81-0003		Internal Manhole Chimney Seals (33 01 30 81-0002) Note: Cretex.			
33 01 30 81-0004	EA	20" Internal Manhole Chimney Seal.....		495.28	
33 01 30 81-0005	EA	22" Internal Manhole Chimney Seal.....		522.05	
33 01 30 81-0006	EA	24" Internal Manhole Chimney Seal.....		535.44	
33 01 30 81-0007	EA	26" Internal Manhole Chimney Seal.....		615.77	
33 01 30 81-0008	EA	28" Internal Manhole Chimney Seal.....		696.08	
33 01 30 81-0009	EA	30" Internal Manhole Chimney Seal.....		776.39	
33 01 30 81-0010	EA	36" Internal Manhole Chimney Seal.....		937.02	
33 01 30 81-0011		External Manhole Encapsulation (33 01 30 81-0002) Note: Wrapidseal.			
33 01 30 81-0012	EA	24" External Manhole Encapsulation		722.85	
33 01 30 81-0013	EA	30" External Manhole Encapsulation		763.01	
33 01 30 81-0014	EA	36" External Manhole Encapsulation		816.54	
33 01 30 81-0015	EA	42" External Manhole Encapsulation		883.47	
33 01 30 81-0016	EA	48" External Manhole Encapsulation		977.18	
33 01 30 81-0017	EA	54" External Manhole Encapsulation		1,084.27	
33 01 30 81-0018	EA	60" External Manhole Encapsulation		1,218.13	
33 01 30 81-0019		Manhole Crack Repair (33 01 30 81-0001) Note: Includes removing loose materials and cleaning.			
33 01 30 81-0020	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair.....		59.70	
33 01 30 81-0021	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair.....		80.27	
33 01 30 81-0022	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair		56.96	
33 01 30 81-0023	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair.....		76.75	
33 01 30 81-0024		Manhole Patching (33 01 30 81-0001) Note: Includes removing loose materials and cleaning.			
33 01 30 81-0025	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....		17.66	
33 01 30 81-0026	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....		37.11	
33 01 30 81-0027		Manhole Joint Restoration (33 01 30 81-0001) Note: Includes drilling holes at joints, fill joints with grout.			
33 01 30 81-0028	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole.....		1,668.93	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. For Grouting Each Additional Manhole Joint Section, Add		231.34	
33 01 30 81-0029	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole.....		1,948.04	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. For Grouting Each Additional Manhole Joint Section, Add		257.40	
33 01 30 81-0030	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole.....		2,225.25	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. For Grouting Each Additional Manhole Joint Section, Add		283.46	
33 01 30 81-0031	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole.....		2,587.08	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. For Grouting Each Additional Manhole Joint Section, Add		296.49	
33 01 30 81-0032	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole.....		2,947.96	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. For Grouting Each Additional Manhole Joint Section, Add		309.51	
33 01 30 81-0033		Step Installation In Existing Manholes (33 01 30 81-0001) Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.			
33 01 30 81-0034	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps.....		115.59	25.90
33 01 30 81-0035	EA	Drill And Grout Galvanized Steel Manhole Step		102.66	25.90
33 01 30 81-0036	EA	Bolt On Galvanized Steel Manhole Step.....		118.82	25.90
33 01 30 81-0037	EA	Drill And Grout Aluminum Manhole Step.....		114.80	25.90
33 01 30 81-0038	EA	Drill And Insert Polypropylene Manhole Step.....		65.70	20.73

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

33 01 30 81-0039		Manhole Penetration Sealing <small>(33 01 30 81-0001)</small>			
<small>Note: At new pipe connection to manhole.</small>					
	33 01 30 81-0040	EA	6" To 12" Opening, Seal New Pipe Connection To Existing Manhole.....	450.42	
	33 01 30 81-0041	EA	>12" To 22" Opening, Seal New Pipe Connection To Existing Manhole.....	688.07	
	33 01 30 81-0042	EA	>22" To 36" Opening, Seal New Pipe Connection To Existing Manhole.....	934.00	

33 01 30 81-0043		Invert Restoration <small>(33 01 30 81-0001)</small>			
<small>Note: Includes removal of existing defective material and installation of new material.</small>					
33 01 30 81-0044		Concrete Invert Restoration <small>(33 01 30 81-0043)</small>			
	33 01 30 81-0045	EA	2' Diameter, Concrete Invert Restoration.....	380.38	
	33 01 30 81-0046	EA	3' Diameter, Concrete Invert Restoration.....	432.23	
	33 01 30 81-0047	EA	4' Diameter, Concrete Invert Restoration.....	484.06	
	33 01 30 81-0048	EA	5' Diameter, Concrete Invert Restoration.....	535.90	
	33 01 30 81-0049	EA	6' Diameter, Concrete Invert Restoration.....	691.42	
	33 01 30 81-0050	SF	Square Or Rectangular, Concrete Invert Restoration.....	38.49	

33 01 30 81-0051		Brick Invert Restoration <small>(33 01 30 81-0043)</small>			
	33 01 30 81-0052	EA	2' Diameter, Brick Invert Restoration.....	611.91	
	33 01 30 81-0053	EA	3' Diameter, Brick Invert Restoration.....	663.74	
	33 01 30 81-0054	EA	4' Diameter, Brick Invert Restoration.....	715.58	
	33 01 30 81-0055	EA	5' Diameter, Brick Invert Restoration.....	767.43	
	33 01 30 81-0056	EA	6' Diameter, Brick Invert Restoration.....	819.27	
	33 01 30 81-0057	SF	Square Or Rectangular, Brick Invert Restoration.....	55.00	

33 01 30 81-0058		Repair In-Kind Of Drainage Structures <small>(33 01 30 81)</small>			
<small>Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.</small>					
	33 01 30 81-0059	VLF	2' Diameter, Repair In-Kind Drainage Structure.....	456.85	
	33 01 30 81-0060	VLF	3' Diameter, Repair In-Kind Drainage Structure.....	685.27	
	33 01 30 81-0061	VLF	4' Diameter, Repair In-Kind Drainage Structure.....	913.76	
	33 01 30 81-0062	VLF	5' Diameter, Repair In-Kind Drainage Structure.....	1,142.12	
	33 01 30 81-0063	VLF	6' Diameter, Repair In-Kind Drainage Structure.....	1,370.55	
	33 01 30 81-0064	VLF	2' x 2', Repair In-Kind Drainage Structure.....	581.97	
	33 01 30 81-0065	VLF	2' x 3', Repair In-Kind Drainage Structure.....	727.47	
	33 01 30 81-0066	VLF	2' x 4', Repair In-Kind Drainage Structure.....	872.96	
	33 01 30 81-0067	VLF	3' x 4', Repair In-Kind Drainage Structure.....	1,018.45	
	33 01 30 81-0068	VLF	4' x 4', Repair In-Kind Drainage Structure.....	1,163.95	
	33 01 30 81-0069	VLF	4' x 5', Repair In-Kind Drainage Structure.....	1,309.44	
	33 01 30 81-0070	VLF	4' x 6', Repair In-Kind Drainage Structure.....	1,454.93	
	33 01 30 81-0071	VLF	4' x 8', Repair In-Kind Drainage Structure.....	1,745.92	
	33 01 30 81-0072	VLF	>32 GSF, Repair In-Kind Drainage Structure.....	2,036.91	

33 01 30 82 Lining For Concrete Manholes (33 01 30)

33 01 30 82-0001		Manhole Lining <small>(33 01 30 82)</small>			
<small>Note: Includes power washing and cleaning of manhole interiors.</small>					
33 01 30 82-0002		Cementitious Manhole Restoration, Interior <small>(33 01 30 82-0001)</small>			
	33 01 30 82-0003	VLF	1/2" Cementitious Restoration On 3' Diameter Manhole Interior.....	144.86	
			<i>For Each Additional 1/2" Thick Material, Add</i>	31.36	
			<i>For 2 To 5 Manholes, Deduct</i>	-10.34	
			<i>For 6 To 10 Manholes, Deduct</i>	-17.05	
			<i>For >10 Manholes, Deduct</i>	-34.11	
	33 01 30 82-0004	VLF	1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior.....	167.93	
			<i>For Each Additional 1/2" Thick Material, Add</i>	36.48	
			<i>For 2 To 5 Manholes, Deduct</i>	-11.98	
			<i>For 6 To 10 Manholes, Deduct</i>	-19.76	
			<i>For >10 Manholes, Deduct</i>	-39.52	
	33 01 30 82-0005	VLF	1/2" Cementitious Restoration On 4' Diameter Manhole Interior.....	190.98	
			<i>For Each Additional 1/2" Thick Material, Add</i>	41.59	
			<i>For 2 To 5 Manholes, Deduct</i>	-13.62	
			<i>For 6 To 10 Manholes, Deduct</i>	-22.47	
			<i>For >10 Manholes, Deduct</i>	-44.93	
	33 01 30 82-0006	VLF	1/2" Cementitious Restoration On 5' Diameter Manhole Interior.....	224.24	
			<i>For Each Additional 1/2" Thick Material, Add</i>	50.68	
			<i>For 2 To 5 Manholes, Deduct</i>	-15.94	
			<i>For 6 To 10 Manholes, Deduct</i>	-26.26	
			<i>For >10 Manholes, Deduct</i>	-52.53	
	33 01 30 82-0007	VLF	1/2" Cementitious Restoration On 6' Diameter Manhole Interior.....	244.13	
			<i>For Each Additional 1/2" Thick Material, Add</i>	58.17	
			<i>For 2 To 5 Manholes, Deduct</i>	-17.26	
			<i>For 6 To 10 Manholes, Deduct</i>	-28.41	
			<i>For >10 Manholes, Deduct</i>	-56.81	

33 01 30 82-0008		Polyurethane Manhole Restoration, Interior <small>(33 01 30 82-0001)</small>			
-------------------------	--	---	--	--	--

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 82-0009	VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	304.97	
	For 80 Mil Material, Add	25.93	
	For 100 Mil Material, Add	51.86	
	For 125 Mil Material, Add	78.77	
	For 150 Mil Material, Add	105.69	
	For 200 Mil Material, Add	144.86	
	For 2 To 5 Manholes, Deduct	-22.58	
	For 6 To 10 Manholes, Deduct	-37.53	
	For >10 Manholes, Deduct	-75.06	
33 01 30 82-0010	VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	372.09	
	For 80 Mil Material, Add	31.47	
	For 100 Mil Material, Add	62.94	
	For 125 Mil Material, Add	95.57	
	For 150 Mil Material, Add	128.19	
	For 200 Mil Material, Add	175.52	
	For 2 To 5 Manholes, Deduct	-27.56	
	For 6 To 10 Manholes, Deduct	-45.82	
	For >10 Manholes, Deduct	-91.64	
33 01 30 82-0011	VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	406.63	
	For 80 Mil Material, Add	34.57	
	For 100 Mil Material, Add	69.14	
	For 125 Mil Material, Add	105.03	
	For 150 Mil Material, Add	140.91	
	For 200 Mil Material, Add	193.14	
	For 2 To 5 Manholes, Deduct	-30.10	
	For 6 To 10 Manholes, Deduct	-50.04	
	For >10 Manholes, Deduct	-100.08	
33 01 30 82-0012	VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	508.28	
	For 80 Mil Material, Add	43.21	
	For 100 Mil Material, Add	86.43	
	For 125 Mil Material, Add	131.28	
	For 150 Mil Material, Add	176.14	
	For 200 Mil Material, Add	241.42	
	For 2 To 5 Manholes, Deduct	-37.63	
	For 6 To 10 Manholes, Deduct	-62.55	
	For >10 Manholes, Deduct	-125.10	
33 01 30 82-0013	VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	609.93	
	For 80 Mil Material, Add	51.85	
	For 100 Mil Material, Add	103.71	
	For 125 Mil Material, Add	157.53	
	For 150 Mil Material, Add	211.36	
	For 200 Mil Material, Add	289.70	
	For 2 To 5 Manholes, Deduct	-45.15	
	For 6 To 10 Manholes, Deduct	-75.06	
	For >10 Manholes, Deduct	-150.12	

33 01 30 82-0014 Epoxy Manhole Restoration, Interior (33 01 30 82-0001)

33 01 30 82-0015	VLF 60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	326.98	
	For 80 Mil Material, Add	33.27	
	For 100 Mil Material, Add	66.53	
	For 125 Mil Material, Add	102.62	
	For 150 Mil Material, Add	138.70	
	For 200 Mil Material, Add	196.22	
	For 2 To 5 Manholes, Deduct	-23.68	
	For 6 To 10 Manholes, Deduct	-39.18	
	For >10 Manholes, Deduct	-78.36	
33 01 30 82-0016	VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	397.80	
	For 80 Mil Material, Add	40.04	
	For 100 Mil Material, Add	80.08	
	For 125 Mil Material, Add	123.42	
	For 150 Mil Material, Add	166.75	
	For 200 Mil Material, Add	235.51	
	For 2 To 5 Manholes, Deduct	-28.85	
	For 6 To 10 Manholes, Deduct	-47.75	
	For >10 Manholes, Deduct	-95.50	
33 01 30 82-0017	VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	435.97	
	For 80 Mil Material, Add	44.35	
	For 100 Mil Material, Add	88.70	
	For 125 Mil Material, Add	136.81	
	For 150 Mil Material, Add	184.92	
	For 200 Mil Material, Add	261.60	
	For 2 To 5 Manholes, Deduct	-31.57	
	For 6 To 10 Manholes, Deduct	-52.24	
	For >10 Manholes, Deduct	-104.48	
33 01 30 82-0018	VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	545.00	
	For 80 Mil Material, Add	55.45	
	For 100 Mil Material, Add	110.91	
	For 125 Mil Material, Add	171.06	
	For 150 Mil Material, Add	231.22	
	For 200 Mil Material, Add	327.10	
	For 2 To 5 Manholes, Deduct	-39.46	
	For 6 To 10 Manholes, Deduct	-65.30	
	For >10 Manholes, Deduct	-130.61	

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

33 01 30 82-0019	VLF	60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	653.99	
		<i>For 80 Mil Material, Add</i>	66.54	
		<i>For 100 Mil Material, Add</i>	133.08	
		<i>For 125 Mil Material, Add</i>	205.27	
		<i>For 150 Mil Material, Add</i>	277.45	
		<i>For 200 Mil Material, Add</i>	392.50	
		<i>For 2 To 5 Manholes, Deduct</i>	-47.36	
		<i>For 6 To 10 Manholes, Deduct</i>	-78.36	
		<i>For >10 Manholes, Deduct</i>	-156.73	

33 01 30 82-0020 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior (33 01 30 82-0001)

33 01 30 82-0021	VLF	3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	389.31	
		<i>For 2 To 5 Manholes, Deduct</i>	-23.90	
		<i>For 6 To 10 Manholes, Deduct</i>	-38.06	
		<i>For >10 Manholes, Deduct</i>	-76.12	
33 01 30 82-0022	VLF	3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	476.58	
		<i>For 2 To 5 Manholes, Deduct</i>	-29.24	
		<i>For 6 To 10 Manholes, Deduct</i>	-46.57	
		<i>For >10 Manholes, Deduct</i>	-93.14	
33 01 30 82-0023	VLF	4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	553.56	
		<i>For 2 To 5 Manholes, Deduct</i>	-33.58	
		<i>For 6 To 10 Manholes, Deduct</i>	-53.33	
		<i>For >10 Manholes, Deduct</i>	-106.66	
33 01 30 82-0024	VLF	5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	693.80	
		<i>For 2 To 5 Manholes, Deduct</i>	-42.07	
		<i>For 6 To 10 Manholes, Deduct</i>	-66.80	
		<i>For >10 Manholes, Deduct</i>	-133.60	
33 01 30 82-0025	VLF	6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	834.05	
		<i>For 2 To 5 Manholes, Deduct</i>	-50.56	
		<i>For 6 To 10 Manholes, Deduct</i>	-80.27	
		<i>For >10 Manholes, Deduct</i>	-160.55	

33 01 30 86 Manhole Rim Adjustment (33 01 30)

33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86)

33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86-0001)

33 01 30 86-0003	EA	Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	321.28	
33 01 30 86-0004	EA	>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	357.36	
33 01 30 86-0005	EA	>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	390.80	
33 01 30 86-0006	EA	>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	428.40	
33 01 30 86-0007	EA	>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	460.18	

33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser (33 01 30 86-0001)

33 01 30 86-0009	EA	Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	366.05	
33 01 30 86-0010	EA	>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	397.36	
33 01 30 86-0011	EA	>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	435.80	
33 01 30 86-0012	EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	473.39	
33 01 30 86-0013	EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	510.15	

33 01 30 86-0014 >6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers (33 01 30 86-0001)

33 01 30 86-0015	EA	>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	514.95	
33 01 30 86-0016	EA	7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	557.80	
33 01 30 86-0017	EA	7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	601.62	
33 01 30 86-0018	EA	8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	638.28	
33 01 30 86-0019	EA	9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	690.96	
33 01 30 86-0020	EA	10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	740.04	
33 01 30 86-0021	EA	11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	788.75	
33 01 30 86-0022	EA	12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	838.87	

33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems (33 01)

33 01 34 13 Septic Tank Solids Removal (33 01 34)

33 01 34 13-0001 Pump Out Septic Tanks (33 01 34 13)

33 01 34 13-0002	GAL	Pump Out Septic Tank And Dispose	0.64	
------------------	-----	--	------	--

33 05 Common Work Results For Utilities (33)

33 05 07 Trenchless Installation of Utility Piping (33 05)

33 05 07 13 Utility Directional Drilling (33 05 07)

33 Utilities**33 05 Common Work Results For Utilities****33 05 07 Trenchless Installation of Utility Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 13-0001			Horizontal Augering <small>(33 05 07 13)</small>		
			Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.		
33 05 07 13-0002	LF		Up To 2" Diameter Horizontal Hand Augering	30.05	
33 05 07 13-0003	LF		3" Diameter Horizontal Hand Augering	36.26	
33 05 07 13-0004	LF		4" Diameter Horizontal Hand Augering	49.73	
33 05 07 13-0005	LF		6" Diameter Horizontal Hand Augering	64.24	
33 05 07 13-0006	LF		8" Diameter Horizontal Augering	105.66	
33 05 07 13-0007	LF		10" Diameter Horizontal Augering	154.15	
33 05 07 13-0008	LF		12" Diameter Horizontal Augering	185.21	
33 05 07 13-0009	LF		16" Diameter Horizontal Augering	221.27	
33 05 07 13-0010	LF		20" Diameter Horizontal Augering	382.86	
33 05 07 13-0011	LF		24" Diameter Horizontal Augering	460.72	
33 05 07 13-0012	LF		30" Diameter Horizontal Augering	568.26	
33 05 07 13-0013	LF		36" Diameter Horizontal Augering	649.25	
33 05 07 13-0014	LF		42" Diameter Horizontal Augering	788.89	
33 05 07 13-0015	LF		48" Diameter Horizontal Augering	850.04	
33 05 07 13-0016	LF		54" Diameter Horizontal Augering	924.45	
33 05 07 13-0017	LF		60" Diameter Horizontal Augering	969.19	
33 05 07 13-0018	EA		8" To 20" Horizontal Augering Minimum Set-up Charge	4,475.08	
			Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0019	EA		>20" To 36" Horizontal Augering Minimum Set-up Charge	5,841.98	
			Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0020	EA		>36" Horizontal Augering Minimum Set-up Charge	8,053.33	
			Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0021			Horizontal Directional Boring <small>(33 05 07 13)</small>		
			Note: Excludes receiving pits or dewatering or cost of casing pipe.		
33 05 07 13-0022	LF		Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	14.75	
33 05 07 13-0023	LF		2" Diameter Directional Boring For Horizontal Pipe, Underground	22.13	
33 05 07 13-0024	LF		2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	30.74	
33 05 07 13-0025	LF		3" Diameter Directional Boring For Horizontal Pipe, Underground	38.11	
33 05 07 13-0026	LF		4" Diameter Directional Boring For Horizontal Pipe, Underground	45.49	
33 05 07 13-0027	LF		5" Diameter Directional Boring For Horizontal Pipe, Underground	52.86	
33 05 07 13-0028	LF		6" Diameter Directional Boring For Horizontal Pipe, Underground	61.47	
33 05 07 13-0029	LF		8" Diameter Directional Boring For Horizontal Pipe, Underground	74.58	
33 05 07 13-0030	LF		10" Diameter Directional Boring For Horizontal Pipe, Underground	80.80	
33 05 07 13-0031	LF		12" Diameter Directional Boring For Horizontal Pipe, Underground	87.01	
33 05 07 13-0032	LF		18" Diameter Directional Boring For Horizontal Pipe, Underground	180.25	
33 05 07 13-0033	LF		24" Diameter Directional Boring For Horizontal Pipe, Underground	272.18	
33 05 07 13-0034	LF		30" Diameter Directional Boring For Horizontal Pipe, Underground	414.91	
33 05 07 13-0035	LF		36" Diameter Directional Boring For Horizontal Pipe, Underground	663.86	
33 05 07 13-0036	EA		Up To 6" Horizontal Directional Boring Minimum Set-up Charge	3,933.90	
			Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0037	EA		>6" To 18" Horizontal Directional Boring Minimum Set-up Charge	4,475.08	
			Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0038	EA		>18" To 36" Horizontal Directional Boring Minimum Set-up Charge	5,841.98	
			Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23			Utility Boring and Jacking <small>(33 05 07)</small>		
33 05 07 23-0001			Horizontal Jacking <small>(33 05 07 23)</small>		
			Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.		
33 05 07 23-0002	LF		Up To 2" Diameter Horizontal Jacking	54.73	
33 05 07 23-0003	LF		3" Diameter Horizontal Jacking	65.75	
33 05 07 23-0004	LF		4" Diameter Horizontal Jacking	89.31	
33 05 07 23-0005	LF		6" Diameter Horizontal Jacking	115.41	
33 05 07 23-0006	LF		8" Diameter Horizontal Jacking	157.00	
33 05 07 23-0007	LF		10" Diameter Horizontal Jacking	229.79	
33 05 07 23-0008	LF		12" Diameter Horizontal Jacking	276.46	
33 05 07 23-0009	LF		16" Diameter Horizontal Jacking	330.14	
33 05 07 23-0010	LF		20" Diameter Horizontal Jacking	534.89	
33 05 07 23-0011	LF		24" Diameter Horizontal Jacking	777.98	
33 05 07 23-0012	LF		30" Diameter Horizontal Jacking	920.26	
33 05 07 23-0013	LF		36" Diameter Horizontal Jacking	1,043.15	
33 05 07 23-0014	LF		42" Diameter Horizontal Jacking	1,122.33	
33 05 07 23-0015	LF		48" Diameter Horizontal Jacking	1,214.72	
33 05 07 23-0016	LF		54" Diameter Horizontal Jacking	1,305.31	
33 05 07 23-0017	EA		Up To 6" Horizontal Jacking Minimum Set-up Charge	3,933.90	
			Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0018	EA		>6" To 20" Horizontal Jacking Minimum Set-up Charge	4,475.08	
			Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0019	EA		>20" To 36" Horizontal Jacking Minimum Set-up Charge	5,841.98	
			Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0020	EA		>36" Horizontal Jacking Minimum Set-up Charge	8,053.33	
			Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

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

33 05 07 24 Casing Piping for Utility Jacking (33 05 07)

33 05 07 24-0001	Casing Pipe (33 05 07 24) Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.		
33 05 07 24-0002	Steel Pipe (33 05 07 24-0001)		
33 05 07 24-0003	LF 1-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	12.33	
33 05 07 24-0004	LF 2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	13.09	
33 05 07 24-0005	LF 2-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	14.08	
33 05 07 24-0006	LF 3" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	15.11	
33 05 07 24-0007	LF 4" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	18.84	
33 05 07 24-0008	LF 5" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	21.16	
33 05 07 24-0009	LF 6" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	23.50	

33 05 07 24-0010 Polyethylene Pipe (33 05 07 24-0001)

33 05 07 24-0011	LF 3/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	5.03	
33 05 07 24-0012	LF 1" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	5.55	
33 05 07 24-0013	LF 1-1/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.03	
33 05 07 24-0014	LF 1-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.44	
33 05 07 24-0015	LF 2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.89	
33 05 07 24-0016	LF 2-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.35	
33 05 07 24-0017	LF 3" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.82	
33 05 07 24-0018	LF 4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.40	
33 05 07 24-0019	LF 5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	10.35	
33 05 07 24-0020	LF 6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	11.33	
33 05 07 24-0021	LF 8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	14.60	
33 05 07 24-0022	LF 10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	19.65	

33 05 61 Concrete Manholes (33 05)

33 05 61 00-0001 Manholes (33 05 61)

33 05 61 00-0002 Precast Concrete Manholes (33 05 61 00-0001)

Note: Includes base, riser(s) and openings.

33 05 61 00-0003 3' Diameter, Precast Concrete Manholes (33 05 61 00-0002)

33 05 61 00-0004	EA 4' Deep, 3' Diameter, Precast Concrete Manhole <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	1,253.40 43.87 83.83	321.06
33 05 61 00-0005	EA 6' Deep, 3' Diameter, Precast Concrete Manhole <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	1,730.26 65.80 125.74	461.15
33 05 61 00-0006	EA 8' Deep, 3' Diameter, Precast Concrete Manhole <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	2,405.58 87.74 167.66	700.48
33 05 61 00-0007	VLF Riser For 3' Diameter, Precast Concrete Manhole Note: For depths greater than 8'. <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	261.78 10.97 20.96	81.72
33 05 61 00-0008	VLF Drop Collar For 3' Diameter, Precast Concrete Manhole	276.20	81.72
33 05 61 00-0009	EA Drop Base For 3' Diameter, Precast Concrete Manhole	396.24	81.72
33 05 61 00-0010	EA Extended Base Slab For 3' Diameter, Precast Concrete Manhole	331.77	81.72
33 05 61 00-0011	EA Precast Channel For 3' Diameter, Precast Concrete Manhole	441.57	81.72

33 05 61 00-0012 4' Diameter, Precast Concrete Manholes (33 05 61 00-0002)

33 05 61 00-0013	EA 4' Deep, 4' Diameter, Precast Concrete Manhole <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	1,555.41 43.87 83.83	367.75
33 05 61 00-0014	EA 6' Deep, 4' Diameter, Precast Concrete Manhole <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	2,089.08 65.80 125.74	502.02
33 05 61 00-0015	EA 8' Deep, 4' Diameter, Precast Concrete Manhole <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	2,857.19 87.74 167.66	758.87

33 Utilities**33 05 Common Work Results For Utilities****33 05 61 Concrete Manholes**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 05 61 00-0016	VLF Riser For 4' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	320.81 10.97 20.96	96.31
33 05 61 00-0017	VLF Drop Collar For 4' Diameter, Precast Concrete Manhole.....	340.05	96.31
33 05 61 00-0018	EA Drop Base For 4' Diameter, Precast Concrete Manhole.....	500.08	96.31
33 05 61 00-0019	EA Extended Base Slab For 4' Diameter, Precast Concrete Manhole.....	414.14	96.31
33 05 61 00-0020	EA Precast Channel For 4' Diameter, Precast Concrete Manhole.....	560.53	96.31
33 05 61 00-0021	5' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		
33 05 61 00-0022	EA 4' Deep, 5' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	2,609.29 56.52 135.14	408.62
33 05 61 00-0023	EA 6' Deep, 5' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	3,490.25 84.78 202.71	560.39
33 05 61 00-0024	EA 8' Deep, 5' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	4,631.09 113.04 270.28	840.59
33 05 61 00-0025	VLF Riser For 5' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	500.70 14.13 33.79	105.08
33 05 61 00-0026	6' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		
33 05 61 00-0027	EA 4' Deep, 6' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	3,397.40 64.71 158.21	455.31
33 05 61 00-0028	EA 6' Deep, 6' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	4,457.19 97.06 237.32	618.76
33 05 61 00-0029	EA 8' Deep, 6' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	5,807.96 129.42 316.43	933.98
33 05 61 00-0030	VLF Riser For 6' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	596.33 16.18 39.55	116.75
33 05 61 00-0031	7' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		
33 05 61 00-0032	EA 4' Deep, 7' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	5,120.95 137.61 276.47	502.02
33 05 61 00-0033	EA 6' Deep, 7' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	6,660.96 206.41 414.70	684.73
33 05 61 00-0034	EA 8' Deep, 7' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	8,520.88 275.21 552.94	1,027.38
33 05 61 00-0035	VLF Riser For 7' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	844.15 34.40 69.12	128.42
33 05 61 00-0036	8' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		
33 05 61 00-0037	EA 4' Deep, 8' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	7,248.68 162.68 336.99	577.90
33 05 61 00-0038	EA 6' Deep, 8' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	9,441.23 244.02 505.49	788.05
33 05 61 00-0039	EA 8' Deep, 8' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	12,001.56 325.36 673.98	1,182.07
33 05 61 00-0040	VLF Riser For 8' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	1,178.00 40.67 84.25	145.93
33 05 61 00-0041	10' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		
33 05 61 00-0042	EA 4' Deep, 10' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	10,966.23 287.63 570.06	664.29
33 05 61 00-0043	EA 6' Deep, 10' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	13,935.77 431.45 855.08	905.96
33 05 61 00-0044	EA 8' Deep, 10' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	17,326.77 575.27 1,140.11	1,358.95
33 05 61 00-0045	VLF Riser For 10' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	1,577.87 71.91 142.51	168.12

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI UOM		UNIT COST	UNIT COST

33 05 61 00-0046	12' Diameter, Precast Concrete Manholes <small>(33 05 61 00-0002)</small>		
33 05 61 00-0047	EA 4' Deep, 12' Diameter, Precast Concrete Manhole.....	15,387.33	763.53
	For Bitumastic Coating, Add	344.90	
	For Epoxy Coating, Add	689.85	
33 05 61 00-0048	EA 6' Deep, 12' Diameter, Precast Concrete Manhole.....	19,510.56	1,042.56
	For Bitumastic Coating, Add	517.35	
	For Epoxy Coating, Add	1,034.77	
33 05 61 00-0049	EA 8' Deep, 12' Diameter, Precast Concrete Manhole.....	24,119.45	1,563.25
	For Bitumastic Coating, Add	689.80	
	For Epoxy Coating, Add	1,379.69	
33 05 61 00-0050	VLF Riser For 12' Diameter, Precast Concrete Manhole.....	2,169.61	192.64
	Note: For depths greater than 8'.		
	For Bitumastic Coating, Add	86.22	
	For Epoxy Coating, Add	172.46	

33 05 63 Concrete Vaults and Chambers (33 05)

33 05 63 00-0001 **Underground Utility Vaults And Structures** (33 05 63)
 See CSI section 33 05 61 00-0001 for manholes, 33 05 84 00-0094 for frames and covers.

33 05 63 00-0002 **Precast Concrete Underground Utility Vault** (33 05 63 00-0001)
 Note: Sizes given are for inside dimensions.

33 05 63 00-0003 **6' High Precast Concrete Underground Utility Vault** (33 05 63 00-0002)

33 05 63 00-0004	EA 4' x 4' x 6' Precast Concrete Underground Utility Vault.....	3,212.27	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0005	EA 4' x 6' x 6' Precast Concrete Underground Utility Vault.....	4,187.25	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0006	EA 5' x 10' x 6' Precast Concrete Underground Utility Vault.....	6,908.13	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0007	EA 5' x 12' x 6' Precast Concrete Underground Utility Vault.....	7,976.44	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0008	EA 6' x 6' x 6' Precast Concrete Underground Utility Vault.....	5,351.17	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0009	EA 6' x 8' x 6' Precast Concrete Underground Utility Vault.....	6,513.92	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0010	EA 6' x 10' x 6' Precast Concrete Underground Utility Vault.....	7,677.84	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0011	EA 6' x 12' x 6' Precast Concrete Underground Utility Vault.....	11,093.06	
	Note: 8" thick walls and top.		
33 05 63 00-0012	EA 6' x 14' x 6' Precast Concrete Underground Utility Vault.....	11,093.06	
	Note: 8" thick walls and top.		
33 05 63 00-0013	EA 6' x 16' x 6' Precast Concrete Underground Utility Vault.....	13,967.89	
	Note: 8" thick walls and top.		
33 05 63 00-0014	EA 8' x 8' x 6' Precast Concrete Underground Utility Vault.....	7,866.79	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0015	EA 8' x 10' x 6' Precast Concrete Underground Utility Vault.....	9,218.50	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0016	EA 8' x 12' x 6' Precast Concrete Underground Utility Vault.....	13,177.10	
	Note: 8" thick walls and top.		
33 05 63 00-0017	EA 8' x 14' x 6' Precast Concrete Underground Utility Vault.....	14,830.85	
	Note: 8" thick walls and top.		

33 05 63 00-0018 **7' High Precast Concrete Underground Utility Vault** (33 05 63 00-0002)

33 05 63 00-0019	EA 4' x 4' x 7' Precast Concrete Underground Utility Vault.....	3,536.47	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0020	EA 4' x 6' x 7' Precast Concrete Underground Utility Vault.....	4,591.95	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0021	EA 4' x 8' x 7' Precast Concrete Underground Utility Vault.....	5,647.39	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0022	EA 5' x 10' x 7' Precast Concrete Underground Utility Vault.....	7,514.60	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0023	EA 5' x 12' x 7' Precast Concrete Underground Utility Vault.....	8,664.52	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0024	EA 6' x 6' x 7' Precast Concrete Underground Utility Vault.....	5,836.34	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0025	EA 6' x 8' x 7' Precast Concrete Underground Utility Vault.....	7,080.75	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0026	EA 6' x 10' x 7' Precast Concrete Underground Utility Vault.....	8,325.12	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0027	EA 6' x 12' x 7' Precast Concrete Underground Utility Vault.....	12,063.36	
	Note: 8" thick walls and top.		
33 05 63 00-0028	EA 6' x 16' x 7' Precast Concrete Underground Utility Vault.....	15,153.93	
	Note: 8" thick walls and top.		
33 05 63 00-0029	EA 8' x 8' x 7' Precast Concrete Underground Utility Vault.....	8,514.05	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0030	EA 8' x 10' x 7' Precast Concrete Underground Utility Vault.....	9,946.24	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0031	EA 8' x 12' x 7' Precast Concrete Underground Utility Vault.....	14,255.96	
	Note: 8" thick walls and top.		
33 05 63 00-0032	EA 8' x 14' x 7' Precast Concrete Underground Utility Vault.....	16,015.73	
	Note: 8" thick walls and top.		
33 05 63 00-0033	EA 10' x 10' x 7' Precast Concrete Underground Utility Vault.....	14,470.77	
	Note: 8" thick walls and top.		

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

		MINOR	DESCRIPTION		TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 05 63 00-0034				8' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0035	EA			4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,859.54	
33 05 63 00-0036	EA			4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,996.62	
33 05 63 00-0037	EA			5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,121.04	
33 05 63 00-0038	EA			5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,351.43	
33 05 63 00-0039	EA			6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,321.49	
33 05 63 00-0040	EA			6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,646.37	
33 05 63 00-0041	EA			6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,971.26	
33 05 63 00-0042	EA			6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,033.65	
33 05 63 00-0043	EA			6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,340.06	
33 05 63 00-0044	EA			8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,160.16	
33 05 63 00-0045	EA			8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,673.94	
33 05 63 00-0046	EA			8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,333.54	
33 05 63 00-0047	EA			8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	17,201.84	
33 05 63 00-0048	EA			10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,549.31	
33 05 63 00-0049				10' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0050	EA			6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,806.68	
33 05 63 00-0051	EA			6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,212.00	
33 05 63 00-0052	EA			10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,626.85	
33 05 63 00-0053				12' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0054	EA			6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,291.82	
33 05 63 00-0055	EA			6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,778.80	
33 05 63 00-0056				Meter Pit (33 05 63 00-0001)		
33 05 63 00-0057				Precast Concrete Meter Pit (33 05 63 00-0056)		
33 05 63 00-0058	EA			4' x 4' x 4' Deep Precast Concrete Meter Pit.....	2,356.60	
33 05 63 00-0059	EA			4' x 4' x 6' Deep Precast Concrete Meter Pit.....	3,110.43	
33 05 63 00-0060	EA			4' x 4' x 8' Deep Precast Concrete Meter Pit.....	3,782.46	
33 05 63 00-0061	EA			4' x 4' x 10' Deep Precast Concrete Meter Pit.....	4,615.46	
33 05 63 00-0062	EA			4' x 4' x 15' Deep Precast Concrete Meter Pit.....	6,135.31	
33 05 63 00-0063	EA			6' x 6' x 4' Deep Precast Concrete Meter Pit.....	3,494.24	
33 05 63 00-0064	EA			6' x 6' x 6' Deep Precast Concrete Meter Pit.....	4,615.46	
33 05 63 00-0065	EA			6' x 6' x 8' Deep Precast Concrete Meter Pit.....	5,828.51	
33 05 63 00-0066	EA			6' x 6' x 10' Deep Precast Concrete Meter Pit.....	7,275.97	
33 05 63 00-0067	EA			6' x 6' x 15' Deep Precast Concrete Meter Pit.....	9,834.59	
33 05 63 00-0068				Handhole Or Pull Box Enclosures (33 05 63 00-0001)		
33 05 63 00-0069				Polymer Concrete Handhole Enclosures (33 05 63 00-0068)		
33 05 63 00-0070				Polymer Concrete Handhole Enclosures (33 05 63 00-0069)		
33 05 63 00-0071				Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0070)		
33 05 63 00-0072				Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)		
33 05 63 00-0073	EA			12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	210.75	27.61
33 05 63 00-0074	EA			10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	213.30	61.34
33 05 63 00-0075	EA			13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	324.29	92.01
33 05 63 00-0076	EA			17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	364.47	92.01
33 05 63 00-0077	EA			13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	351.19	92.01
33 05 63 00-0078	EA			13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	409.14	92.01
33 05 63 00-0079	EA			17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	400.40	92.01

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-080	EA		17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	517.74	92.01
33 05 63 00-081	EA		27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	728.66	122.68
33 05 63 00-082	EA		27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	981.20	122.68
33 05 63 00-083	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	709.39	168.68
33 05 63 00-084	EA		24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	788.47	168.68
33 05 63 00-085	EA		24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,199.87	168.68
33 05 63 00-086	EA		39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	760.78	184.00
33 05 63 00-087	EA		39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,019.83	184.00
33 05 63 00-088	EA		39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,231.66	184.00
33 05 63 00-089	EA		39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,732.70	184.00
33 05 63 00-090	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,071.07	257.62
33 05 63 00-091	EA		30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,460.94	257.62
33 05 63 00-092			Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0071)</small>		
33 05 63 00-093	EA		12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	263.24	27.61
33 05 63 00-094	EA		13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	386.81	92.01
33 05 63 00-095	EA		17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	451.48	92.01
33 05 63 00-096	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	422.53	92.01
33 05 63 00-097	EA		13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	472.06	92.01
33 05 63 00-098	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	485.05	92.01
33 05 63 00-099	EA		17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	603.12	92.01
33 05 63 00-100	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	842.33	168.68
33 05 63 00-101	EA		24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	921.41	168.68
33 05 63 00-102	EA		24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,332.82	168.68
33 05 63 00-103	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,226.42	257.62
33 05 63 00-104	EA		30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,619.26	257.62
33 05 63 00-0105			Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0070)</small>		
33 05 63 00-0106			Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0107	EA		5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	330.79	27.61
33 05 63 00-0108	EA		10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	283.28	27.61
33 05 63 00-0109	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	289.23	92.01
33 05 63 00-0110	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	317.26	92.01
33 05 63 00-0111	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	95.62	27.61
33 05 63 00-0112	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	135.34	27.61
33 05 63 00-0113	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	204.30	27.61
33 05 63 00-0114	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	212.65	27.61
33 05 63 00-0115	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	210.39	61.34
33 05 63 00-0116	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	223.19	61.34
33 05 63 00-0117	EA		8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	133.64	27.61
33 05 63 00-0118	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	149.27	27.61
33 05 63 00-0119	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	221.86	61.34
33 05 63 00-0120	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	243.38	61.34
33 05 63 00-0121	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	229.45	61.34
33 05 63 00-0122	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	290.53	92.01
33 05 63 00-0123	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	311.64	92.01
33 05 63 00-0124	EA		17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	327.34	92.01

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0125	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	350.98	92.01
33 05 63 00-0126	EA		17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	398.13	92.01
33 05 63 00-0127	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	426.73	92.01
33 05 63 00-0128	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	458.02	92.01
33 05 63 00-0129	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	477.70	92.01
33 05 63 00-0130	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	580.32	122.68
33 05 63 00-0131	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	623.71	168.68
33 05 63 00-0132	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	760.77	168.68
33 05 63 00-0133	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	887.33	168.68
33 05 63 00-0134	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	967.25	168.68
33 05 63 00-0135	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,046.75	168.68
33 05 63 00-0136	EA		36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,223.17	257.62
33 05 63 00-0137	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	942.99	257.62
33 05 63 00-0138	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,044.50	257.62
33 05 63 00-0139	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,238.60	257.62
33 05 63 00-0140	EA		30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,236.61	257.62
33 05 63 00-0141	EA		30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,309.07	257.62
33 05 63 00-0142	EA		30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,448.41	257.62
33 05 63 00-0143	EA		36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,361.50	276.02
33 05 63 00-0144	EA		36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,459.88	276.02
33 05 63 00-0145	EA		36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,585.48	276.02
33 05 63 00-0146	EA		36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,635.74	276.02
33 05 63 00-0147	EA		48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,653.20	276.02
33 05 63 00-0148	EA		48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,844.59	276.02
33 05 63 00-0149	EA		36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,472.92	276.02
33 05 63 00-0150	EA		36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,876.17	276.02
33 05 63 00-0151	EA		48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,099.60	294.43
33 05 63 00-0152	EA		48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,538.36	294.43
33 05 63 00-0153	EA		48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,192.24	294.43
33 05 63 00-0154			Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0155	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	362.01	92.01
33 05 63 00-0156	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	403.60	92.01
33 05 63 00-0157	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	145.46	27.61
33 05 63 00-0158	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	199.76	27.61
33 05 63 00-0159	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	259.78	27.61
33 05 63 00-0160	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	268.14	27.61
33 05 63 00-0161	EA		10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	265.04	61.34
33 05 63 00-0162	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	273.95	61.34
33 05 63 00-0163	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	285.86	61.34
33 05 63 00-0164	EA		8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	187.99	27.61
33 05 63 00-0165	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	217.88	27.61
33 05 63 00-0166	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	285.57	61.34
33 05 63 00-0167	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	307.09	61.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0168	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	293.84	61.34
33 05 63 00-0169	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	361.61	92.01
33 05 63 00-0170	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	382.98	92.01
33 05 63 00-0171	EA		17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	412.16	92.01
33 05 63 00-0172	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	435.65	92.01
33 05 63 00-0173	EA		17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	482.66	92.01
33 05 63 00-0174	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	511.38	92.01
33 05 63 00-0175	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	542.54	92.01
33 05 63 00-0176	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	562.35	92.01
33 05 63 00-0177	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	697.27	122.68
33 05 63 00-0178	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	756.67	168.68
33 05 63 00-0179	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	893.56	168.68
33 05 63 00-0180	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,019.98	168.68
33 05 63 00-0181	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,099.78	168.68
33 05 63 00-0182	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,179.54	168.68
33 05 63 00-0183	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,096.88	257.62
33 05 63 00-0184	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,198.54	257.62
33 05 63 00-0185	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,392.49	257.62
33 05 63 00-0186			Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0187	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	338.77	92.01
33 05 63 00-0188	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	381.51	92.01
33 05 63 00-0189	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	113.69	27.61
33 05 63 00-0190	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	171.86	27.61
33 05 63 00-0191	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	236.56	27.61
33 05 63 00-0192	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	245.07	27.61
33 05 63 00-0193	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	249.75	61.34
33 05 63 00-0194	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	274.53	61.34
33 05 63 00-0195	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	153.34	27.61
33 05 63 00-0196	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	261.93	61.34
33 05 63 00-0197	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	292.78	61.34
33 05 63 00-0198	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	269.94	61.34
33 05 63 00-0199	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	358.33	92.01
33 05 63 00-0200	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	400.52	92.01
33 05 63 00-0201	EA		17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	414.55	92.01
33 05 63 00-0202	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	447.96	92.01
33 05 63 00-0203	EA		17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	478.69	92.01
33 05 63 00-0204	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	507.70	92.01
33 05 63 00-0205	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	559.65	92.01
33 05 63 00-0206	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	566.90	92.01
33 05 63 00-0207	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	706.33	122.68
33 05 63 00-0208	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	768.42	168.68
33 05 63 00-0209	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	919.60	168.68
33 05 63 00-0210	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,069.12	168.68
33 05 63 00-0211	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,168.43	168.68
33 05 63 00-0212	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,267.74	168.68
33 05 63 00-0213	EA		36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,408.20	257.62

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

33 05 63 00-0214	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,128.04	257.62
33 05 63 00-0215	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,237.46	257.62
33 05 63 00-0216	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,431.43	257.62
33 05 63 00-0217	EA	30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,516.99	257.62
33 05 63 00-0218	EA	30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,543.78	257.62
33 05 63 00-0219	EA	30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,803.69	257.62
33 05 63 00-0220	EA	36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,701.62	276.02
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,752.45	276.02
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,896.65	276.02
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,005.79	276.02
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,859.91	276.02
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,250.23	276.02
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,981.43	276.02
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,156.56	276.02
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,581.33	294.43
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,020.26	294.43
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,994.32	294.43

33 05 63 00-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures

(33 05 63 00-0105)

33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	411.54	92.01
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	468.01	92.01
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	163.13	27.61
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	236.15	27.61
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	291.93	27.61
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	300.55	27.61
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	313.46	61.34
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	338.08	61.34
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	223.99	27.61
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	325.35	61.34
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	356.21	61.34
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	316.15	61.34
33 05 63 00-0244	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	429.70	92.01
33 05 63 00-0245	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	471.89	92.01
33 05 63 00-0246	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	499.21	92.01
33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	532.62	92.01
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	563.34	92.01
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	592.37	92.01
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	644.33	92.01
33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	651.55	92.01
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	823.12	122.68
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	901.36	168.68
33 05 63 00-0254	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,052.41	168.68
33 05 63 00-0255	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,201.76	168.68
33 05 63 00-0256	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,301.15	168.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0257	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,400.54	168.68
33 05 63 00-0258	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,282.06	257.62
33 05 63 00-0259	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,391.64	257.62
33 05 63 00-0260	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,585.47	257.62
33 05 63 00-0261			Footed, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)		
33 05 63 00-0262	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	356.52	92.01
33 05 63 00-0263	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	240.12	61.34
33 05 63 00-0264	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	263.91	61.34
33 05 63 00-0265	EA		13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	325.63	92.01
33 05 63 00-0266	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	247.91	61.34
33 05 63 00-0267	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	270.70	61.34
33 05 63 00-0268			Polymer Concrete Handhole Enclosure Extensions (33 05 63 00-0069)		
33 05 63 00-0269	EA		13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	281.34	92.01
33 05 63 00-0270	EA		17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	306.13	92.01
33 05 63 00-0271	EA		24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	365.71	122.68
33 05 63 00-0272	EA		24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	390.06	122.68
33 05 63 00-0273	EA		24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	481.75	168.68
33 05 63 00-0274	EA		36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	798.58	257.62
33 05 63 00-0275	EA		30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	771.96	257.62
33 05 63 00-0276	EA		30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	777.77	257.62
33 05 63 00-0277	EA		36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	993.77	276.02
33 05 63 00-0278	EA		48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,465.98	294.43
33 05 63 00-0279	EA		48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,852.61	294.43
33 05 63 00-0280	EA		13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	411.44	92.01
33 05 63 00-0281	EA		17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	426.59	92.01
33 05 63 00-0282	EA		24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	476.70	122.68
33 05 63 00-0283	EA		24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	501.30	122.68
33 05 63 00-0284	EA		24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	603.47	168.68
33 05 63 00-0285	EA		30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	943.98	257.62
33 05 63 00-0286	EA		13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	337.39	92.01
33 05 63 00-0287	EA		17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	367.27	92.01
33 05 63 00-0288	EA		24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	524.62	168.68
33 05 63 00-0289	EA		36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	965.27	276.02
33 05 63 00-0290			Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0069)		
33 05 63 00-0291			Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)		
33 05 63 00-0292	EA		5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	82.99	12.27
33 05 63 00-0293	EA		10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	83.95	12.27
33 05 63 00-0294	EA		12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	78.49	12.27
33 05 63 00-0295	EA		8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	84.14	12.27
33 05 63 00-0296	EA		11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	84.86	12.27
33 05 63 00-0297	EA		13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	95.98	12.27
33 05 63 00-0298	EA		17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	109.73	12.27
33 05 63 00-0299	EA		30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	681.15	33.12
33 05 63 00-0300	EA		30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	599.14	33.12
33 05 63 00-0301	EA		36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	884.78	33.12
33 05 63 00-0302	EA		48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	894.51	33.12
33 05 63 00-0303	EA		36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,010.09	33.12
33 05 63 00-0304	EA		48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,098.37	33.12
33 05 63 00-0305	EA		48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,750.15	33.12
33 05 63 00-0306	EA		10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	72.43	12.27
33 05 63 00-0307	EA		11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	99.72	12.27
33 05 63 00-0308	EA		11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	100.99	12.27
33 05 63 00-0309	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	124.64	12.27
33 05 63 00-0310	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	96.33	12.27
33 05 63 00-0311	EA		17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	145.74	12.27

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 63 00-0312	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	116.44	12.27
33 05 63 00-0313	EA	27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	229.10	12.27
33 05 63 00-0314	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	206.58	18.40
33 05 63 00-0315	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	255.34	18.40
33 05 63 00-0316	EA	39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	327.39	21.47
33 05 63 00-0317	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	454.49	25.76
33 05 63 00-0318	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	474.22	49.08
33 05 63 00-0319	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	126.06	12.27
33 05 63 00-0320	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	175.75	12.27
33 05 63 00-0321	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	198.69	12.27
33 05 63 00-0322	EA	27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	324.18	12.27
33 05 63 00-0323	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	273.61	18.40
33 05 63 00-0324	EA	39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	455.07	21.47
33 05 63 00-0325	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	592.80	25.76
33 05 63 00-0326	EA	30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	798.72	33.12
33 05 63 00-0327	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	712.79	33.12
33 05 63 00-0328	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	986.02	33.12
33 05 63 00-0329	EA	48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,276.60	33.12
33 05 63 00-0330	EA	36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,223.59	33.12
33 05 63 00-0331	EA	48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,844.78	33.12
33 05 63 00-0332	EA	48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,836.27	33.12
33 05 63 00-0333	EA	11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	162.88	12.27
33 05 63 00-0334	EA	11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	177.23	12.27
33 05 63 00-0335	EA	13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	230.40	12.27
33 05 63 00-0336	EA	17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	261.26	12.27
33 05 63 00-0337	EA	27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	444.76	12.27
33 05 63 00-0338	EA	24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	330.44	18.40
33 05 63 00-0339	EA	24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	446.61	18.40
33 05 63 00-0340	EA	39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	687.06	21.47
33 05 63 00-0341	EA	36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	785.34	25.76
33 05 63 00-0342	EA	30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	818.95	49.08
33 05 63 00-0343	EA	30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	946.64	33.12
33 05 63 00-0344	EA	36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,311.95	33.12
33 05 63 00-0345	EA	48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,825.77	33.12
33 05 63 00-0346	EA	36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,631.86	33.12
33 05 63 00-0347	EA	48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,688.35	33.12
33 05 63 00-0348	EA	48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	4,136.30	33.12

33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 63 00-0290)

33 05 63 00-0350	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	93.92	12.27
33 05 63 00-0351	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	98.73	12.27
33 05 63 00-0352	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	100.30	12.27
33 05 63 00-0353	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	100.89	12.27
33 05 63 00-0354	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	114.98	12.27
33 05 63 00-0355	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	76.86	12.27
33 05 63 00-0356	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	104.26	12.27
33 05 63 00-0357	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	105.14	12.27
33 05 63 00-0358	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	129.32	12.27
33 05 63 00-0359	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	101.43	12.27
33 05 63 00-0360	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	121.82	12.27
33 05 63 00-0361	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	150.69	12.27
33 05 63 00-0362	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	209.90	18.40
33 05 63 00-0363	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	260.45	18.40
33 05 63 00-0364	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	479.47	49.08
33 05 63 00-0365	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	65.59	12.27
33 05 63 00-0366	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	97.22	12.27
33 05 63 00-0367	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	107.09	12.27
33 05 63 00-0368	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	102.71	12.27
33 05 63 00-0369	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	86.28	12.27
33 05 63 00-0370	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	130.59	12.27
33 05 63 00-0371	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	140.83	12.27
33 05 63 00-0372	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	180.57	12.27
33 05 63 00-0373	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	203.93	12.27
33 05 63 00-0374	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	278.30	18.40
33 05 63 00-0375	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	343.96	18.40
33 05 63 00-0376	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	624.57	49.08

33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 63 00-0290)

33 05 63 00-0378	EA	6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	54.71	12.27
33 05 63 00-0379	EA	7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	63.22	12.27
33 05 63 00-0380	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	74.67	12.27
33 05 63 00-0381	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	79.77	12.27
33 05 63 00-0382	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	79.63	12.27
33 05 63 00-0383	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	92.68	12.27
33 05 63 00-0384	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	105.51	12.27
33 05 63 00-0385	EA	24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	246.99	18.40
33 05 63 00-0386	EA	30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	455.12	49.08
33 05 63 00-0387	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	673.98	33.12
33 05 63 00-0388	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	591.05	33.12
33 05 63 00-0389	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	871.46	33.12
33 05 63 00-0390	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	841.81	33.12

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

33 05 63 00-0391	EA			36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,002.36	33.12
33 05 63 00-0392	EA			48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,069.81	33.12
33 05 63 00-0393	EA			48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,695.27	33.12
33 05 63 00-0394	EA			10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	70.01	12.27
33 05 63 00-0395	EA			10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	68.59	12.27
33 05 63 00-0396	EA			11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	96.66	12.27
33 05 63 00-0397	EA			11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	105.25	12.27
33 05 63 00-0398	EA			13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	117.85	12.27
33 05 63 00-0399	EA			13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	91.94	12.27
33 05 63 00-0400	EA			18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	101.43	12.27
33 05 63 00-0401	EA			17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	139.79	12.27
33 05 63 00-0402	EA			24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	202.73	18.40
33 05 63 00-0403	EA			20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	249.63	18.40
33 05 63 00-0404	EA			24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	246.85	18.40
33 05 63 00-0405	EA			36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	437.07	25.76
33 05 63 00-0406	EA			30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	455.12	29.45

33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0408	EA			30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	700.70	33.12
33 05 63 00-0409	EA			36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	1,003.35	33.12
33 05 63 00-0410	EA			30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	589.17	49.08
33 05 63 00-0411	EA			30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	773.92	49.08
33 05 63 00-0412	EA			30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	827.78	33.12
33 05 63 00-0413	EA			36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	1,119.06	33.12

33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0415	EA			24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	278.38	18.40
33 05 63 00-0416	EA			36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	509.00	25.76
33 05 63 00-0417	EA			30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	534.12	49.08
33 05 63 00-0418	EA			6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	52.34	12.27
33 05 63 00-0419	EA			8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	80.22	12.27
33 05 63 00-0420	EA			12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	87.27	12.27
33 05 63 00-0421	EA			8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	91.94	12.27
33 05 63 00-0422	EA			10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	81.89	12.27
33 05 63 00-0423	EA			11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	136.68	12.27
33 05 63 00-0424	EA			24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	367.96	18.40
33 05 63 00-0425	EA			36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	670.54	25.76
33 05 63 00-0426	EA			30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	704.57	49.08

33 05 63 00-0427 Precast Concrete Handholes With Steel Cover (33 05 63 00-0068)

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).						
33 05 63 00-0428	EA			12" x 12" x 12" Precast Concrete Handholes With Steel Cover.....	765.33	256.11
				Note: 8000 To 12000 pound traffic rated top.		
				For 15,000 to 22,500 Pound Traffic Rated Top, Add	18.00	
33 05 63 00-0429	EA			12" x 24" x 21" Precast Concrete Handholes With Steel Cover.....	1,251.25	384.16
				Note: 8000 To 12000 pound traffic rated top.		
				For 15,000 to 22,500 Pound Traffic Rated Top, Add	111.17	
33 05 63 00-0430	EA			18" x 30" x 18" Precast Concrete Handholes With Steel Cover.....	1,551.96	512.21
				Note: 8000 To 12000 pound traffic rated top.		
				For 15,000 to 22,500 Pound Traffic Rated Top, Add	195.69	
33 05 63 00-0431	EA			24" x 24" x 24" Precast Concrete Handholes With Steel Cover.....	1,597.00	512.21
				Note: 8000 To 12000 pound traffic rated top.		
				For 15,000 to 22,500 Pound Traffic Rated Top, Add	247.79	
33 05 63 00-0432	EA			24" x 24" x 30" Precast Concrete Handholes With Steel Cover.....	1,906.21	640.27
				Note: 8000 To 12000 pound traffic rated top.		
				For 15,000 to 22,500 Pound Traffic Rated Top, Add	298.81	
33 05 63 00-0433	EA			30" x 36" x 30" Precast Concrete Handholes With Steel Cover.....	1,981.68	640.27
				Note: 8000 To 12000 pound traffic rated top.		
				For 15,000 to 22,500 Pound Traffic Rated Top, Add	327.27	
33 05 63 00-0434	EA			36" x 36" x 48" Precast Concrete Handholes With Steel Cover.....	2,311.59	768.32
				Note: 8000 To 12000 pound traffic rated top.		
				For 15,000 to 22,500 Pound Traffic Rated Top, Add	382.75	
33 05 63 00-0435	EA			48" x 48" x 48" Precast Concrete Handholes With Steel Cover.....	2,664.75	896.37
				Note: 8000 To 12000 pound traffic rated top.		
				For 15,000 to 22,500 Pound Traffic Rated Top, Add	531.57	
33 05 63 00-0436	EA			48" x 72" x 36" Precast Concrete Handholes With Steel Cover.....	2,533.67	768.32
				Note: 8000 To 12000 pound traffic rated top.		
				For 15,000 to 22,500 Pound Traffic Rated Top, Add	572.07	
33 05 63 00-0437	EA			54" x 38" x 24" Precast Concrete Handholes With Steel Cover.....	2,552.77	768.32
				Note: 8000 To 12000 pound traffic rated top.		
				For 15,000 to 22,500 Pound Traffic Rated Top, Add	401.87	
33 05 63 00-0438	EA			6" Diameter Precast Concrete Handholes With Steel Cover.....	643.15	256.11
				Note: 8000 To 12000 pound traffic rated top.		
				For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 63 00-0439	EA			9" Diameter Precast Concrete Handholes With Steel Cover.....	747.42	288.12
				Note: 8000 To 12000 pound traffic rated top.		
				For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 63 00-0440	EA			12" Diameter Precast Concrete Handholes With Steel Cover.....	891.91	320.13
				Note: 8000 To 12000 pound traffic rated top.		
				For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	

33 05 84 Accessories for Utility Structures (33 05)

33 Utilities**33 05 Common Work Results For Utilities****33 05 84 Accessories for Utility Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001	Manhole Accessories (33 05 84)		
33 05 84 00-0002	Precast Concrete Manhole Tops (33 05 84 00-0001)		
33 05 84 00-0003	Precast Concrete Manhole Slab Tops (33 05 84 00-0002)		
33 05 84 00-0004	EA 4' Diameter, Precast Concrete Manhole Slab Top	772.74	94.56
33 05 84 00-0005	EA 5' Diameter, Precast Concrete Manhole Slab Top	1,060.00	101.58
33 05 84 00-0006	EA 6' Diameter, Precast Concrete Manhole Slab Top	1,518.00	108.58
33 05 84 00-0007	EA 7' Diameter, Precast Concrete Manhole Slab Top	2,289.60	108.58
33 05 84 00-0008	EA 8' Diameter, Precast Concrete Manhole Slab Top	3,117.89	108.58
33 05 84 00-0009	EA 10' Diameter, Precast Concrete Manhole Slab Top	5,213.64	108.58
33 05 84 00-0010	EA 12' Diameter, Precast Concrete Manhole Slab Top	7,412.70	108.58
33 05 84 00-0011	Precast Concrete Manhole Cone Tops (33 05 84 00-0002)		
33 05 84 00-0012	EA 4' Diameter, Precast Concrete Manhole Cone Top	866.14	118.20
33 05 84 00-0013	EA 5' Diameter, Precast Concrete Manhole Cone Top	1,163.14	126.97
33 05 84 00-0014	EA 6' Diameter, Precast Concrete Manhole Cone Top	1,644.75	140.09
33 05 84 00-0015	Precast Concrete Manhole Reducer Slabs (33 05 84 00-0002)		
33 05 84 00-0016	EA 5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,392.80	101.58
33 05 84 00-0017	EA 6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,798.56	108.58
33 05 84 00-0018	EA 7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	2,382.41	108.58
33 05 84 00-0019	EA 8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	3,785.23	108.58
33 05 84 00-0020	EA 10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	4,876.58	108.58
33 05 84 00-0021	EA 12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	7,074.26	108.58
33 05 84 00-0022	Pipe To Manhole Connector (33 05 84 00-0001)		
33 05 84 00-0023	Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors (33 05 84 00-0022)		
33 05 84 00-0024	EA 4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	83.06	
33 05 84 00-0025	EA 6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	119.06	
33 05 84 00-0026	EA 8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	134.39	
33 05 84 00-0027	EA 10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	198.21	
33 05 84 00-0028	EA 12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	274.92	
33 05 84 00-0029	EA 15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	365.82	
33 05 84 00-0030	EA 18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	646.97	
33 05 84 00-0031	EA 21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	895.62	
33 05 84 00-0032	EA 24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,398.48	
33 05 84 00-0033	EA 27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,651.02	
33 05 84 00-0034	Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout (33 05 84 00-0022) Note: Fernco CMA.		
33 05 84 00-0035	EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	102.07	
33 05 84 00-0036	EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	139.65	
33 05 84 00-0037	EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	175.81	
33 05 84 00-0038	EA 10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	211.85	
33 05 84 00-0039	EA 12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	246.22	
33 05 84 00-0040	Brick And Grout Pipe To Manhole Connector (33 05 84 00-0022)		
33 05 84 00-0041	EA Seal Gap Between Pipe And Structure With Brick And Grout	262.46	
33 05 84 00-0042	Inverts For Manholes (33 05 84 00-0001)		
33 05 84 00-0043	EA Single Channel Concrete Invert For Manholes	434.31	
33 05 84 00-0044	EA Double Channel Concrete Invert For Manholes	632.74	
33 05 84 00-0045	EA Triple Channel Concrete Invert For Manholes	849.94	
33 05 84 00-0046	EA Quad Channel Concrete Invert For Manholes	1,067.11	
33 05 84 00-0047	EA Single Channel Brick Invert For Manholes	630.82	
33 05 84 00-0048	EA Double Channel Brick Invert For Manholes	944.90	
33 05 84 00-0049	EA Triple Channel Brick Invert For Manholes	1,264.55	
33 05 84 00-0050	EA Quad Channel Brick Invert For Manholes	1,579.91	
33 05 84 00-0051	Steps For Cast-In-Place Manholes (33 05 84 00-0001) See CSI section 33 01 30 81-0033 for installation of steps in existing manholes.		
33 05 84 00-0052	EA Cast Iron Manhole Step For New Manholes	63.86	
33 05 84 00-0053	EA Galvanized Steel Manhole Step For New Manholes	50.93	
33 05 84 00-0054	EA Aluminum Manhole Step For New Manholes	63.08	
33 05 84 00-0055	EA Polypropylene Manhole Step For New Manholes	42.03	
33 05 84 00-0056	Protective Coating For New Manholes (33 05 84 00-0001)		
33 05 84 00-0057	Polyurethane Protective Coating For New Manholes (33 05 84 00-0056)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0058			VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	180.42	
			For 80 Mil Material, Add	22.27	
			For 100 Mil Material, Add	44.55	
			For 125 Mil Material, Add	69.64	
			For 150 Mil Material, Add	94.73	
			For 200 Mil Material, Add	137.59	
			For 2 To 5 Manholes, Deduct	-12.69	
			For 6 To 10 Manholes, Deduct	-20.86	
			For >10 Manholes, Deduct	-41.72	
33 05 84 00-0059			VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	218.65	
			For 80 Mil Material, Add	26.61	
			For 100 Mil Material, Add	53.21	
			For 125 Mil Material, Add	83.11	
			For 150 Mil Material, Add	113.01	
			For 200 Mil Material, Add	163.85	
			For 2 To 5 Manholes, Deduct	-15.41	
			For 6 To 10 Manholes, Deduct	-25.36	
			For >10 Manholes, Deduct	-50.71	
33 05 84 00-0060			VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	240.54	
			For 80 Mil Material, Add	29.69	
			For 100 Mil Material, Add	59.39	
			For 125 Mil Material, Add	92.84	
			For 150 Mil Material, Add	126.29	
			For 200 Mil Material, Add	183.43	
			For 2 To 5 Manholes, Deduct	-16.91	
			For 6 To 10 Manholes, Deduct	-27.81	
			For >10 Manholes, Deduct	-55.62	
33 05 84 00-0061			VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	300.72	
			For 80 Mil Material, Add	37.13	
			For 100 Mil Material, Add	74.26	
			For 125 Mil Material, Add	116.10	
			For 150 Mil Material, Add	157.93	
			For 200 Mil Material, Add	229.39	
			For 2 To 5 Manholes, Deduct	-21.14	
			For 6 To 10 Manholes, Deduct	-34.77	
			For >10 Manholes, Deduct	-69.54	
33 05 84 00-0062			VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	347.82	
			For 80 Mil Material, Add	43.58	
			For 100 Mil Material, Add	87.16	
			For 125 Mil Material, Add	136.38	
			For 150 Mil Material, Add	185.60	
			For 200 Mil Material, Add	270.03	
			For 2 To 5 Manholes, Deduct	-24.39	
			For 6 To 10 Manholes, Deduct	-40.09	
			For >10 Manholes, Deduct	-80.18	
33 05 84 00-0063			Polyvinyl Chloride (PVC) Liner (33 05 84 00-0056)		
			Note: For new manholes and shop applied.		
33 05 84 00-0064			VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	159.09	
33 05 84 00-0065			VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	195.01	
33 05 84 00-0066			VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	237.99	
33 05 84 00-0067			VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	298.87	
33 05 84 00-0068			VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	359.75	
33 05 84 00-0069			SF Polyvinyl Chloride (PVC) Liner At Structures	36.00	
33 05 84 00-0070			Concrete Grade Extensions/Grade Rings (33 05 84 00-0001)		
33 05 84 00-0071			18" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0070)		
33 05 84 00-0072	EA		4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	81.86	
33 05 84 00-0073	EA		6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	87.73	
33 05 84 00-0074	EA		8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	93.59	
33 05 84 00-0075	EA		10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	99.46	
33 05 84 00-0076			24" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0070)		
33 05 84 00-0077	EA		4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	91.70	
33 05 84 00-0078	EA		6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	98.37	
33 05 84 00-0079	EA		8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	105.04	
33 05 84 00-0080	EA		10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	111.70	
33 05 84 00-0081			30" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0070)		
33 05 84 00-0082	EA		4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	101.38	
33 05 84 00-0083	EA		6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	108.81	
33 05 84 00-0084	EA		8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	116.24	
33 05 84 00-0085	EA		10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	123.68	
33 05 84 00-0086			Bentonite Collar (33 05 84 00-0001)		
33 05 84 00-0087			Bentonite Collar At Manhole Connections (33 05 84 00-0086)		
33 05 84 00-0088	EA		Up To 12" Pipe, Bentonite Collar At Manhole Connection	133.31	
33 05 84 00-0089	EA		>12" To 21", Bentonite Collar At Manhole Connection	211.63	
33 05 84 00-0090	EA		>21" To 30" Pipe, Bentonite Collar At Manhole Connection	339.99	
33 05 84 00-0091	EA		>30" To 36" Pipe, Bentonite Collar At Manhole Connection	800.02	
33 05 84 00-0092	EA		>36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,216.40	

33 Utilities**33 05 Common Work Results For Utilities****33 05 84 Accessories for Utility Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 05 84 00-0093	EA	>48" To 60" Pipe, Bentonite Collar At Manhole Connection	2,199.42	
33 05 84 00-0094		Manhole Covers And Frames <small>(33 05 84)</small>		
		Note: Includes moisture-tight masonry joints and waterproof grouting.		
33 05 84 00-0095		Regular Manhole Covers And Frames, City Type As Manufactured By NEENAH Foundry Company <small>(33 05 84 00-0094)</small>		
33 05 84 00-0096	EA	32" Solid Pattern Lid With Frame, Neenah # R-1557A	902.02	149.43
33 05 84 00-0097	EA	24-1/2" Round Manhole Frame And Parabolic Cover,	682.80	116.75
		Note: Straight side, heavy duty. Syracuse Casting #1032		
33 05 84 00-0098	EA	27-1/8" Round Manhole Frame And Parabolic Cover,	751.81	129.59
		Note: Straight side, heavy duty. Syracuse Casting #1009-8		
33 05 84 00-0099	EA	33" Round Manhole Frame And Parabolic Cover,	964.68	145.93
		Note: Straight side, heavy duty. Syracuse Casting #1016A		
33 05 84 00-0100		Watertight Type Manhole Covers And Frames <small>(33 05 84 00-0094)</small>		
33 05 84 00-0101	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	989.73	82.89
		For Ductile Iron Castings, Add	461.85	
33 05 84 00-0102	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,019.06	82.89
		For Ductile Iron Castings, Add	463.37	
33 05 84 00-0103	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,055.48	96.90
		For Ductile Iron Castings, Add	466.42	
33 05 84 00-0104	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,229.99	108.58
		For Ductile Iron Castings, Add	565.61	
33 05 84 00-0105	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,391.67	110.91
		For Ductile Iron Castings, Add	667.72	
33 05 84 00-0106	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,453.54	113.24
		For Ductile Iron Castings, Add	707.01	
33 05 84 00-0107	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,509.52	116.75
		For Ductile Iron Castings, Add	742.03	
33 05 84 00-0108		Remove And Reinstall Manhole Cover And Frame <small>(33 05 84 00-0094)</small>		
		Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.		
33 05 84 00-0109	EA	Removal And Reinstallation Of Manhole Cover And Frame	468.09	
33 05 84 00-0110		Rainguard Inflow Protectors <small>(33 05 84 00-0094)</small>		
33 05 84 00-0111	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	130.03	25.90
33 05 84 00-0112	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	142.98	25.90
33 05 84 00-0113	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	171.15	31.08
33 05 84 00-0114	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	179.33	31.08
33 05 84 00-0115	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	218.30	36.26
33 05 84 00-0116	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	228.35	36.26
33 05 84 00-0117		Waste Water Collection System Taps <small>(33 05 84)</small>		
		Note: For tapping existing structures only. Includes grout.		
33 05 84 00-0118		Precast Concrete Manhole Tap <small>(33 05 84 00-0117)</small>		
33 05 84 00-0119	EA	4" Tap In Existing Precast Concrete Manhole.....	805.38	
33 05 84 00-0120	EA	6" Tap In Existing Precast Concrete Manhole.....	904.14	
33 05 84 00-0121	EA	8" Tap In Existing Precast Concrete Manhole.....	1,008.02	
33 05 84 00-0122	EA	10" Tap In Existing Precast Concrete Manhole.....	1,104.82	
33 05 84 00-0123	EA	12" Tap In Existing Precast Concrete Manhole.....	1,201.43	
33 05 84 00-0124	EA	15" Tap In Existing Precast Concrete Manhole.....	1,300.38	
33 05 97		Identification and Signage for Utilities <small>(33 05)</small>		
33 05 97 23		Utility Identification Warning Tape <small>(33 05 97)</small>		
33 05 97 23-0001		Non-Detectable Utility Warning Tape <small>(33 05 97 23)</small>		
		Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0002	CLF	3" Non-Detectable Utility Warning Tape.....	7.26	
33 05 97 23-0003	CLF	6" Non-Detectable Utility Warning Tape.....	9.31	
33 05 97 23-0004		Detectable Utility Warning Tape <small>(33 05 97 23)</small>		
		Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0005	CLF	2" Detectable Utility Warning Tape	7.08	
33 05 97 23-0006	CLF	3" Detectable Utility Warning Tape	9.00	
33 05 97 23-0007	CLF	6" Detectable Utility Warning Tape	12.98	

33 10 Water Utilities (33)**33 14 Water Utility Transmission and Distribution** (33 10)**33 14 11 Water Utility Transmission Piping** (33 14)

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping (33 14)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

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

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping (33 14 13)

33 14 13 13-0001 Ductile Iron Piping (33 14 13 13)

33 14 13 13-0002 Mechanical Joint Ductile Iron Piping (33 14 13 13-0001)

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. See CSI section 33 14 13 13-0500 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe (33 14 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe.....	33.84	13.79
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	9.09	
		For Cement Mortar Lining (CML), Add	1.30	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	7.01	
		For Fusion Bonded Epoxy Lining (206N), Add	2.34	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	0.97	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-1.69	
		For Class 52, Add	3.05	
		For Class 53, Add	7.74	
		For Class 54, Add	10.99	
		For Class 55, Add	12.71	
		For Class 56, Add	14.40	
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe.....	36.49	14.67
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	9.98	
		For Cement Mortar Lining (CML), Add	1.43	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	7.70	
		For Fusion Bonded Epoxy Lining (206N), Add	2.57	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.07	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-1.82	
		For Class 51, Add	1.51	
		For Class 52, Add	3.34	
		For Class 53, Add	8.48	
		For Class 54, Add	12.04	
		For Class 55, Add	13.92	
		For Class 56, Add	15.76	
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe.....	38.76	15.40
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	10.84	
		For Cement Mortar Lining (CML), Add	1.55	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	8.36	
		For Fusion Bonded Epoxy Lining (206N), Add	2.79	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.16	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-1.94	
		For Class 51, Add	1.63	
		For Class 52, Add	3.60	
		For Class 53, Add	9.17	
		For Class 54, Add	13.03	
		For Class 55, Add	15.05	
		For Class 56, Add	17.05	
33 14 13 13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe.....	44.05	16.01
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.86	
		For Cement Mortar Lining (CML), Add	1.98	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	10.69	
		For Fusion Bonded Epoxy Lining (206N), Add	3.56	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.49	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-2.20	
		For Class 51, Add	2.01	
		For Class 52, Add	4.47	
		For Class 53, Add	11.52	
		For Class 54, Add	16.39	
		For Class 55, Add	18.91	
		For Class 56, Add	21.39	
33 14 13 13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe.....	60.50	22.93
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	15.45	
		For Cement Mortar Lining (CML), Add	2.58	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	12.88	
		For Fusion Bonded Epoxy Lining (206N), Add	4.64	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.93	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-3.03	
		For Class 51, Add	2.66	
		For Class 52, Add	5.89	
		For Class 53, Add	15.10	
		For Class 54, Add	21.47	
		For Class 55, Add	24.79	
		For Class 56, Add	28.06	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0009	LF 12", Class 50, Mechanical Joint Ductile Iron Pipe.....	71.50	25.49
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.45	
	For Cement Mortar Lining (CML), Add	3.29	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	13.16	
	For Fusion Bonded Epoxy Lining (206N), Add	5.92	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.47	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-3.58	
	For Class 51, Add	3.32	
	For Class 52, Add	7.38	
	For Class 53, Add	19.07	
	For Class 54, Add	27.14	
	For Class 55, Add	31.31	
	For Class 56, Add	35.41	
33 14 13 13-0010	LF 14", Class 50, Mechanical Joint Ductile Iron Pipe.....	84.22	28.61
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.95	
	For Cement Mortar Lining (CML), Add	4.08	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	13.87	
	For Fusion Bonded Epoxy Lining (206N), Add	7.34	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.06	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-4.21	
	For Class 51, Add	4.06	
	For Class 52, Add	9.04	
	For Class 53, Add	23.49	
	For Class 54, Add	33.43	
	For Class 55, Add	38.55	
	For Class 56, Add	43.58	
33 14 13 13-0011	LF 16", Class 50, Mechanical Joint Ductile Iron Pipe.....	95.37	32.78
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	18.75	
	For Cement Mortar Lining (CML), Add	4.57	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	14.18	
	For Fusion Bonded Epoxy Lining (206N), Add	8.23	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.43	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-4.77	
	For Class 51, Add	4.57	
	For Class 52, Add	10.16	
	For Class 53, Add	26.37	
	For Class 54, Add	37.53	
	For Class 55, Add	43.28	
	For Class 56, Add	48.93	
33 14 13 13-0012	LF 18", Class 50, Mechanical Joint Ductile Iron Pipe.....	116.57	38.23
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.05	
	For Cement Mortar Lining (CML), Add	5.87	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	18.18	
	For Fusion Bonded Epoxy Lining (206N), Add	10.56	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.40	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-5.83	
	For Class 51, Add	5.79	
	For Class 52, Add	12.89	
	For Class 53, Add	33.60	
	For Class 54, Add	47.85	
	For Class 55, Add	55.14	
	For Class 56, Add	62.32	
33 14 13 13-0013	LF 20", Class 50, Mechanical Joint Ductile Iron Pipe.....	134.09	45.87
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.54	
	For Cement Mortar Lining (CML), Add	6.46	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	18.09	
	For Fusion Bonded Epoxy Lining (206N), Add	11.63	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.84	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-6.70	
	For Class 51, Add	6.44	
	For Class 52, Add	14.34	
	For Class 53, Add	37.22	
	For Class 54, Add	52.98	
	For Class 55, Add	61.09	
	For Class 56, Add	69.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0014	LF		24", Class 50, Mechanical Joint Ductile Iron Pipe.....	173.55	57.33
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	26.87	
			For Cement Mortar Lining (CML), Add	8.67	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	18.20	
			For Fusion Bonded Epoxy Lining (206N), Add	15.60	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.50	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-8.68	
			For Class 51, Add	8.57	
			For Class 52, Add	19.08	
			For Class 53, Add	49.71	
			For Class 54, Add	70.78	
			For Class 55, Add	81.58	
			For Class 56, Add	92.20	
33 14 13 13-0015	LF		30", Class 50, Mechanical Joint Ductile Iron Pipe.....	214.90	61.73
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	37.89	
			For Cement Mortar Lining (CML), Add	12.22	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	22.00	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.17	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-10.75	
			For Class 51, Add	11.71	
			For Class 52, Add	26.17	
			For Class 53, Add	68.98	
			For Class 54, Add	98.32	
			For Class 55, Add	113.18	
			For Class 56, Add	127.78	
33 14 13 13-0016	LF		36", Class 50, Mechanical Joint Ductile Iron Pipe.....	251.31	65.56
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	47.38	
			For Cement Mortar Lining (CML), Add	15.29	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	27.51	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.46	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-12.57	
			For Class 51, Add	14.42	
			For Class 52, Add	32.28	
			For Class 53, Add	85.60	
			For Class 54, Add	122.07	
			For Class 55, Add	140.43	
			For Class 56, Add	158.48	
33 14 13 13-0017	LF		42", Class 50, Mechanical Joint Ductile Iron Pipe.....	301.15	69.38
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	61.04	
			For Cement Mortar Lining (CML), Add	19.69	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	35.44	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.77	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-15.06	
			For Class 51, Add	18.30	
			For Class 52, Add	41.02	
			For Class 53, Add	109.43	
			For Class 54, Add	156.12	
			For Class 55, Add	179.49	
			For Class 56, Add	202.45	
33 14 13 13-0018	LF		48", Class 50, Mechanical Joint Ductile Iron Pipe.....	361.00	73.32
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	77.80	
			For Cement Mortar Lining (CML), Add	25.10	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	45.17	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.82	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-18.05	
			For Class 51, Add	23.03	
			For Class 52, Add	51.72	
			For Class 53, Add	138.62	
			For Class 54, Add	197.84	
			For Class 55, Add	227.35	
			For Class 56, Add	256.34	
33 14 13 13-0019			Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0020	EA		3" Mechanical Joint Ductile Iron 90 Degree Elbow	106.80	43.52
			For Cement Mortar Lining (CML), Add	4.09	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	7.35	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.06	
			Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0021	EA	4" Mechanical Joint Ductile Iron 90 Degree Elbow	123.27	52.01
		For Cement Mortar Lining (CML), Add	4.45	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	8.00	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.33	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022	EA	6" Mechanical Joint Ductile Iron 90 Degree Elbow	189.10	76.87
		For Cement Mortar Lining (CML), Add	7.27	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	13.09	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.45	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023	EA	8" Mechanical Joint Ductile Iron 90 Degree Elbow	243.95	91.17
		For Cement Mortar Lining (CML), Add	10.57	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	19.03	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.93	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024	EA	10" Mechanical Joint Ductile Iron 90 Degree Elbow	322.28	101.70
		For Cement Mortar Lining (CML), Add	16.82	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	30.28	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.62	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025	EA	12" Mechanical Joint Ductile Iron 90 Degree Elbow	407.18	119.30
		For Cement Mortar Lining (CML), Add	22.65	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	40.77	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.99	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026	EA	14" Mechanical Joint Ductile Iron 90 Degree Elbow	581.79	133.79
		For Cement Mortar Lining (CML), Add	37.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	68.24	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.43	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027	EA	16" Mechanical Joint Ductile Iron 90 Degree Elbow	746.55	152.89
		For Cement Mortar Lining (CML), Add	51.49	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	92.68	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.62	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028	EA	18" Mechanical Joint Ductile Iron 90 Degree Elbow	944.31	214.05
		For Cement Mortar Lining (CML), Add	62.00	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	111.61	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.50	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029	EA	20" Mechanical Joint Ductile Iron 90 Degree Elbow	1,269.93	267.57
		For Cement Mortar Lining (CML), Add	86.46	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	155.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	64.84	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030	EA	24" Mechanical Joint Ductile Iron 90 Degree Elbow	1,830.44	356.29
		For Cement Mortar Lining (CML), Add	129.05	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	232.29	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	96.79	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031	EA	30" Mechanical Joint Ductile Iron 90 Degree Elbow	2,650.11	382.24
		For Cement Mortar Lining (CML), Add	207.10	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	372.77	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	155.32	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032	EA	36" Mechanical Joint Ductile Iron 90 Degree Elbow	3,838.91	396.83
		For Cement Mortar Lining (CML), Add	323.77	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	582.79	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	242.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0033	EA	42" Mechanical Joint Ductile Iron 90 Degree Elbow	6,246.97	458.69
		For Cement Mortar Lining (CML), Add	555.20	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	999.36	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	416.40	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0034	EA		48" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,142.40 740.31 1,332.55 555.23	487.99
33 14 13 13-0035 Mechanical Joint Ductile Iron 45 Degree Elbow (33 14 13 13-0002)					
33 14 13 13-0036	EA		3" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	102.60 3.67 6.60 2.75	43.52
33 14 13 13-0037	EA		4" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	115.46 3.67 6.60 2.75	52.01
33 14 13 13-0038	EA		6" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	175.28 5.89 10.60 4.42	76.87
33 14 13 13-0039	EA		8" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	224.12 8.59 15.46 6.44	91.17
33 14 13 13-0040	EA		10" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	279.63 12.56 22.60 9.42	101.70
33 14 13 13-0041	EA		12" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	368.13 18.75 33.74 14.06	119.30
33 14 13 13-0042	EA		14" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	497.68 29.50 53.10 22.12	133.79
33 14 13 13-0043	EA		16" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	599.35 36.77 66.18 27.58	152.89
33 14 13 13-0044	EA		18" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	851.78 52.75 94.95 39.56	214.05
33 14 13 13-0045	EA		20" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	968.93 56.36 101.44 42.27	267.57
33 14 13 13-0046	EA		24" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,396.06 85.61 154.11 64.21	356.29

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-0047	EA	30" Mechanical Joint Ductile Iron 45 Degree Elbow	2,318.47		382.24
		For Cement Mortar Lining (CML), Add	173.93		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	313.08		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	130.45		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0048	EA	36" Mechanical Joint Ductile Iron 45 Degree Elbow	3,144.39		396.83
		For Cement Mortar Lining (CML), Add	254.32		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	457.77		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	190.74		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0049	EA	42" Mechanical Joint Ductile Iron 45 Degree Elbow	4,602.58		458.69
		For Cement Mortar Lining (CML), Add	390.76		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	703.37		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	293.07		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0050	EA	48" Mechanical Joint Ductile Iron 45 Degree Elbow	5,859.96		487.99
		For Cement Mortar Lining (CML), Add	512.06		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	921.71		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	384.05		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0051		Mechanical Joint Ductile Iron 22-1/2 Degree Elbow (33 14 13 13-0002)			
33 14 13 13-0052	EA	3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	94.79		43.52
		For Cement Mortar Lining (CML), Add	2.88		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	5.19		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.16		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0053	EA	4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	113.66		52.01
		For Cement Mortar Lining (CML), Add	3.49		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	6.27		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.61		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0054	EA	6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	170.47		76.87
		For Cement Mortar Lining (CML), Add	5.41		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	9.73		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.06		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	222.32		91.17
		For Cement Mortar Lining (CML), Add	8.41		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	15.14		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.31		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	279.03		101.70
		For Cement Mortar Lining (CML), Add	12.50		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	22.49		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.37		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	344.70		119.30
		For Cement Mortar Lining (CML), Add	16.40		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	29.52		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.30		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	501.29		133.79
		For Cement Mortar Lining (CML), Add	29.86		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	53.75		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.40		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	584.33		152.89
		For Cement Mortar Lining (CML), Add	35.27		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	63.48		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.45		
		Note: ANSI/AWWA C151/A21.51			

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

33 14 13 13-0060	EA	18"	Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	757.46 43.32 77.97 32.49	214.05
33 14 13 13-0061	EA	20"	Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	994.16 58.88 105.98 44.16	267.57
33 14 13 13-0062	EA	24"	Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,329.97 79.01 142.21 59.25	356.29
33 14 13 13-0063	EA	30"	Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,036.69 145.75 262.36 109.32	382.24
33 14 13 13-0064	EA	36"	Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,737.64 213.64 384.56 160.23	396.83
33 14 13 13-0065	EA	42"	Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,920.68 322.57 580.63 241.93	458.69
33 14 13 13-0066	EA	48"	Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,939.53 420.02 756.03 315.01	487.99

33 14 13 13-0067 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow (33 14 13 13-0002)

33 14 13 13-0068	EA	3"	Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	94.79 2.88 5.19 2.16	43.52
33 14 13 13-0069	EA	4"	Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	111.85 3.30 5.95 2.48	52.01
33 14 13 13-0070	EA	6"	Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	172.27 5.59 10.06 4.19	76.87
33 14 13 13-0071	EA	8"	Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	214.51 7.63 13.73 5.72	91.17
33 14 13 13-0072	EA	10"	Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	277.82 12.38 22.28 9.28	101.70

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 14 13 13-0073	EA 12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	334.48 15.38 27.68 11.54	119.30
33 14 13 13-0074	EA 14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	543.34 34.07 61.32 25.55	133.79
33 14 13 13-0075	EA 16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	604.76 37.31 67.16 27.98	152.89
33 14 13 13-0076	EA 18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	871.61 54.73 98.52 41.05	214.05
33 14 13 13-0077	EA 20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	959.92 55.45 99.82 41.59	267.57
33 14 13 13-0078	EA 24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,279.50 73.96 133.12 55.47	356.29
33 14 13 13-0079	EA 30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,063.13 148.40 267.12 111.30	382.24
33 14 13 13-0080	EA 36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,629.50 202.83 365.09 152.12	396.83
33 14 13 13-0081	EA 42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,773.48 307.85 554.13 230.89	458.69
33 14 13 13-0082	EA 48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,910.69 417.14 750.84 312.85	487.99
33 14 13 13-0083	Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0084	EA 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	108.61 4.27 7.68 3.20	43.52
33 14 13 13-0085	EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	131.68 5.29 9.52 3.97	52.01

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

33 14 13 13-0086	EA		6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	204.12 8.77 15.79 6.58	76.87
33 14 13 13-0087	EA		8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	263.78 12.56 22.60 9.42	91.17
33 14 13 13-0088	EA		10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	351.12 19.71 35.47 14.78	101.70
33 14 13 13-0089	EA		12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	438.42 25.77 46.39 19.33	119.30
33 14 13 13-0090	EA		14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	682.13 47.94 86.30 35.96	133.79
33 14 13 13-0091	EA		16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	991.07 75.94 136.69 56.96	152.89
33 14 13 13-0092	EA		18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,187.03 86.28 155.30 64.71	214.05
33 14 13 13-0093	EA		20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,589.56 118.42 213.15 88.81	267.57
33 14 13 13-0094	EA		24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,962.61 142.27 256.08 106.70	356.29
33 14 13 13-0095	EA		30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,380.68 280.15 504.28 210.11	382.24
33 14 13 13-0096	EA		36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,763.87 516.27 929.28 387.20	396.83

33 14 13 13-0097 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow (33 14 13 13-0002)

33 14 13 13-0098	EA		3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	103.20 3.73 6.71 2.79	43.52
------------------	----	--	---	--------------------------------	-------

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0099	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	117.26	52.01
		For Cement Mortar Lining (CML), Add	3.85	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	6.92	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.88	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	181.89	76.87
		For Cement Mortar Lining (CML), Add	6.55	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	11.79	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.91	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	243.35	91.17
		For Cement Mortar Lining (CML), Add	10.51	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	18.93	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.89	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0102	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	310.27	101.70
		For Cement Mortar Lining (CML), Add	15.62	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	28.12	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.72	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	402.98	119.30
		For Cement Mortar Lining (CML), Add	22.23	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	40.01	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.67	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0104	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	619.04	133.79
		For Cement Mortar Lining (CML), Add	41.64	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	74.94	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.23	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	891.94	152.89
		For Cement Mortar Lining (CML), Add	66.03	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	118.85	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	49.52	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,086.70	214.05
		For Cement Mortar Lining (CML), Add	76.24	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	137.24	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	57.18	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,400.91	267.57
		For Cement Mortar Lining (CML), Add	99.55	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	179.20	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	74.66	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0108	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,780.57	356.29
		For Cement Mortar Lining (CML), Add	124.07	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	223.32	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	93.05	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	3,015.99	382.24
		For Cement Mortar Lining (CML), Add	243.68	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	438.63	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	182.76	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	5,092.78	396.83
		For Cement Mortar Lining (CML), Add	449.16	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	808.48	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	336.87	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0111 Mechanical Joint Ductile Iron Tee (33 14 13 13-0002)

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0112	EA			3" x 3" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	168.63 6.97 12.54 5.23	65.30
33 14 13 13-0113	EA			4" x 3" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	180.26 6.97 12.54 5.23	72.98
33 14 13 13-0114	EA			4" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	174.68 5.83 10.49 4.37	76.87
33 14 13 13-0115	EA			6" x 3" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	227.22 8.05 14.49 6.04	96.83
33 14 13 13-0116	EA			6" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	250.68 9.79 17.63 7.34	100.82
33 14 13 13-0117	EA			6" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	276.07 10.51 18.93 7.89	112.88
33 14 13 13-0118	EA			8" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	290.58 11.36 20.44 8.52	116.84
33 14 13 13-0119	EA			8" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	326.18 13.10 23.57 9.82	128.84
33 14 13 13-0120	EA			8" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	365.36 15.80 28.44 11.85	136.88
33 14 13 13-0121	EA			10" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	365.73 17.42 31.36 13.07	126.39
33 14 13 13-0122	EA			10" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	377.70 16.88 30.39 12.66	137.87
33 14 13 13-0123	EA			10" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	418.13 19.77 35.58 14.82	145.50
33 14 13 13-0124	EA			10" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	457.56 22.59 40.66 16.94	152.89

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0125	EA	12" x 4" Mechanical Joint Ductile Iron Tee.....	427.95	141.69
		For Cement Mortar Lining (CML), Add	21.33	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	38.39	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.00	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126	EA	12" x 6" Mechanical Joint Ductile Iron Tee.....	478.36	153.14
		For Cement Mortar Lining (CML), Add	24.63	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	44.34	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.47	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0127	EA	12" x 8" Mechanical Joint Ductile Iron Tee.....	560.25	160.80
		For Cement Mortar Lining (CML), Add	31.66	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	56.99	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.75	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128	EA	12" x 10" Mechanical Joint Ductile Iron Tee.....	596.06	168.19
		For Cement Mortar Lining (CML), Add	34.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	61.43	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0129	EA	12" x 12" Mechanical Joint Ductile Iron Tee.....	581.82	175.84
		For Cement Mortar Lining (CML), Add	31.54	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	56.78	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.66	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0130	EA	14" x 6" Mechanical Joint Ductile Iron Tee.....	611.62	178.45
		For Cement Mortar Lining (CML), Add	34.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	61.43	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0131	EA	14" x 8" Mechanical Joint Ductile Iron Tee.....	668.28	186.10
		For Cement Mortar Lining (CML), Add	38.63	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	69.54	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.97	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0132	EA	14" x 10" Mechanical Joint Ductile Iron Tee.....	809.25	193.48
		For Cement Mortar Lining (CML), Add	51.61	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	92.90	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.71	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0133	EA	14" x 12" Mechanical Joint Ductile Iron Tee.....	859.28	201.13
		For Cement Mortar Lining (CML), Add	55.45	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	99.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0134	EA	14" x 14" Mechanical Joint Ductile Iron Tee.....	849.02	213.83
		For Cement Mortar Lining (CML), Add	52.51	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	94.52	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.38	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0135	EA	16" x 6" Mechanical Joint Ductile Iron Tee.....	764.60	214.04
		For Cement Mortar Lining (CML), Add	44.04	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	79.27	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.03	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee.....	814.15	221.70
		For Cement Mortar Lining (CML), Add	47.82	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	86.08	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.87	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee.....	919.06	229.08
		For Cement Mortar Lining (CML), Add	57.20	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	102.95	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.90	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0138	EA		16" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	991.92 63.32 113.98 47.49	236.73
33 14 13 13-0139	EA		16" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,158.29 78.04 140.48 58.53	249.38
33 14 13 13-0140	EA		16" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,126.37 72.16 129.88 54.12	267.22
33 14 13 13-0141	EA		18" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,038.69 62.36 112.25 46.77	273.94
33 14 13 13-0142	EA		18" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,101.95 67.53 121.55 50.65	281.59
33 14 13 13-0143	EA		18" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,176.82 73.90 133.02 55.42	288.97
33 14 13 13-0144	EA		18" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,251.50 80.21 144.37 60.16	296.62
33 14 13 13-0145	EA		18" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,291.70 82.31 148.16 61.73	309.27
33 14 13 13-0146	EA		18" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,375.73 88.02 158.43 66.01	327.07
33 14 13 13-0147	EA		18" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,585.12 104.42 187.95 78.31	356.99
33 14 13 13-0148	EA		20" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,296.92 70.17 126.31 52.63	392.83
33 14 13 13-0149	EA		20" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,324.15 71.74 129.12 53.80	400.49
33 14 13 13-0150	EA		20" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,414.04 79.61 143.29 59.70	407.87

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0151	EA	20" x 12" Mechanical Joint Ductile Iron Tee.....	1,503.72	415.51
		For Cement Mortar Lining (CML), Add	87.42	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	157.35	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.56	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152	EA	20" x 14" Mechanical Joint Ductile Iron Tee.....	1,529.51	428.16
		For Cement Mortar Lining (CML), Add	88.08	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	158.54	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	66.06	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0153	EA	20" x 16" Mechanical Joint Ductile Iron Tee.....	1,563.68	445.96
		For Cement Mortar Lining (CML), Add	88.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	159.84	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	66.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0154	EA	20" x 18" Mechanical Joint Ductile Iron Tee.....	1,880.61	475.90
		For Cement Mortar Lining (CML), Add	115.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	208.72	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	86.97	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0155	EA	20" x 20" Mechanical Joint Ductile Iron Tee.....	1,773.62	535.37
		For Cement Mortar Lining (CML), Add	96.25	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	173.25	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	72.19	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0156	EA	24" x 6" Mechanical Joint Ductile Iron Tee.....	1,618.90	511.36
		For Cement Mortar Lining (CML), Add	84.41	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	151.94	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.31	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0157	EA	24" x 8" Mechanical Joint Ductile Iron Tee.....	1,641.32	519.73
		For Cement Mortar Lining (CML), Add	85.49	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	153.89	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	64.12	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0158	EA	24" x 10" Mechanical Joint Ductile Iron Tee.....	1,763.05	526.39
		For Cement Mortar Lining (CML), Add	96.55	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	173.79	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	72.41	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0159	EA	24" x 12" Mechanical Joint Ductile Iron Tee.....	1,801.66	534.04
		For Cement Mortar Lining (CML), Add	99.25	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	178.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	74.44	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0160	EA	24" x 14" Mechanical Joint Ductile Iron Tee.....	1,973.43	546.69
		For Cement Mortar Lining (CML), Add	114.51	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	206.12	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	85.88	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0161	EA	24" x 16" Mechanical Joint Ductile Iron Tee.....	2,105.54	564.48
		For Cement Mortar Lining (CML), Add	125.03	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	225.05	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	93.77	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0162	EA	24" x 18" Mechanical Joint Ductile Iron Tee.....	2,345.57	594.43
		For Cement Mortar Lining (CML), Add	144.49	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	260.09	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	108.37	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0163	EA	24" x 20" Mechanical Joint Ductile Iron Tee.....	2,594.87	653.88
		For Cement Mortar Lining (CML), Add	160.41	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	288.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	120.31	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0164	EA		24" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,509.21 142.87 257.17 107.15	713.17
33 14 13 13-0165	EA		30" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,525.94 161.20 290.15 120.90	603.24
33 14 13 13-0166	EA		30" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,636.26 171.11 307.99 128.33	610.62
33 14 13 13-0167	EA		30" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,746.97 181.02 325.84 135.77	618.26
33 14 13 13-0168	EA		30" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,906.73 195.08 351.14 146.31	630.92
33 14 13 13-0169	EA		30" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,083.90 210.10 378.18 157.58	839.43
33 14 13 13-0170	EA		30" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,179.72 215.15 387.26 161.36	678.65
33 14 13 13-0171	EA		30" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,340.10 222.18 399.92 166.63	738.11
33 14 13 13-0172	EA		30" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,531.41 232.33 418.19 174.25	797.37
33 14 13 13-0173	EA		30" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,266.92 299.50 539.10 224.62	839.43
33 14 13 13-0174	EA		30" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,605.66 170.33 306.59 127.75	595.58
33 14 13 13-0175	EA		36" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,019.38 200.55 360.98 150.41	669.18
33 14 13 13-0176	EA		36" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,291.33 226.62 407.92 169.97	676.57

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0177	EA	36" x 12" Mechanical Joint Ductile Iron Tee.....	3,442.29	684.21
		For Cement Mortar Lining (CML), Add	240.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	433.01	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	180.42	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0178	EA	36" x 14" Mechanical Joint Ductile Iron Tee.....	3,558.19	696.86
		For Cement Mortar Lining (CML), Add	250.23	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	450.42	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	187.67	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0179	EA	36" x 16" Mechanical Joint Ductile Iron Tee.....	3,680.69	714.67
		For Cement Mortar Lining (CML), Add	259.79	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	467.61	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	194.84	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0180	EA	36" x 18" Mechanical Joint Ductile Iron Tee.....	3,911.10	744.61
		For Cement Mortar Lining (CML), Add	278.29	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	500.92	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	208.72	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0181	EA	36" x 20" Mechanical Joint Ductile Iron Tee.....	4,186.81	804.05
		For Cement Mortar Lining (CML), Add	296.86	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	534.34	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	222.64	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0182	EA	36" x 24" Mechanical Joint Ductile Iron Tee.....	4,605.85	863.31
		For Cement Mortar Lining (CML), Add	329.78	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	593.60	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	247.33	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0183	EA	36" x 30" Mechanical Joint Ductile Iron Tee.....	5,042.76	938.46
		For Cement Mortar Lining (CML), Add	367.09	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	660.76	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	275.32	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0184	EA	36" x 36" Mechanical Joint Ductile Iron Tee.....	5,768.61	938.46
		For Cement Mortar Lining (CML), Add	434.68	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	782.42	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	326.01	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0185	EA	42" x 12" Mechanical Joint Ductile Iron Tee.....	6,148.87	721.07
		For Cement Mortar Lining (CML), Add	505.63	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	910.14	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	379.22	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0186	EA	42" x 14" Mechanical Joint Ductile Iron Tee.....	6,270.18	733.73
		For Cement Mortar Lining (CML), Add	515.85	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	928.52	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	386.89	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0187	EA	42" x 16" Mechanical Joint Ductile Iron Tee.....	6,904.56	751.52
		For Cement Mortar Lining (CML), Add	576.59	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,037.86	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	432.44	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee.....	6,535.38	781.47
		For Cement Mortar Lining (CML), Add	535.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	963.24	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	401.35	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee.....	6,625.45	840.92
		For Cement Mortar Lining (CML), Add	535.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	963.24	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	401.35	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0190	EA		42" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,813.17 544.93 980.87 408.69	900.18
33 14 13 13-0191	EA		42" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,112.22 668.45 1,203.21 501.34	942.30
33 14 13 13-0192	EA		42" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,442.75 696.51 1,253.71 522.38	975.27
33 14 13 13-0193	EA		42" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,893.04 738.74 1,329.74 554.06	993.71
33 14 13 13-0194	EA		48" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,174.53 599.30 1,078.74 449.47	779.82
33 14 13 13-0195	EA		48" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,301.83 610.11 1,098.20 457.58	792.47
33 14 13 13-0196	EA		48" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,482.01 625.43 1,125.78 469.07	810.27
33 14 13 13-0197	EA		48" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,679.98 640.69 1,153.25 480.52	840.22
33 14 13 13-0198	EA		48" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,923.27 656.01 1,180.83 492.01	899.66
33 14 13 13-0199	EA		48" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,033.47 658.06 1,184.50 493.54	958.91
33 14 13 13-0200	EA		48" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,610.70 809.40 1,456.92 607.05	1,001.04
33 14 13 13-0201	EA		48" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,850.25 928.36 1,671.04 696.27	1,034.01
33 14 13 13-0202	EA		48" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,349.20 975.46 1,755.83 731.59	1,052.44

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-0203	EA	48" x 48" Mechanical Joint Ductile Iron Tee.....	11,550.51		1,081.86
		For Cement Mortar Lining (CML), Add	991.14		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	1,784.05		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	743.36		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0204		Mechanical Joint Ductile Iron Wye (Laterals) <small>(33 14 13 13-0002)</small>			
33 14 13 13-0205	EA	4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	161.64		72.98
		For Cement Mortar Lining (CML), Add	5.11		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	9.19		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.83		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0206	EA	4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	211.92		76.81
		For Cement Mortar Lining (CML), Add	9.55		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	17.20		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.16		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0207	EA	6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	227.22		96.83
		For Cement Mortar Lining (CML), Add	8.05		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	14.49		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.04		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0208	EA	6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	251.28		100.82
		For Cement Mortar Lining (CML), Add	9.85		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	17.74		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.39		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0209	EA	6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	315.13		112.81
		For Cement Mortar Lining (CML), Add	14.42		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	25.95		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.81		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0210	EA	8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	375.89		116.84
		For Cement Mortar Lining (CML), Add	19.89		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	35.79		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.91		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0211	EA	8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	361.63		128.84
		For Cement Mortar Lining (CML), Add	16.64		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	29.96		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.48		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0212	EA	8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	417.63		136.84
		For Cement Mortar Lining (CML), Add	21.03		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	37.85		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.77		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0213	EA	10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	526.15		126.39
		For Cement Mortar Lining (CML), Add	33.47		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	60.24		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.10		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	560.95		137.87
		For Cement Mortar Lining (CML), Add	35.21		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	63.37		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.41		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	631.42		145.50
		For Cement Mortar Lining (CML), Add	41.10		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	73.97		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.82		
		Note: ANSI/AWWA C151/A21.51			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	699.68 46.80 84.24 35.10	152.89
33 14 13	13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	651.45 43.68 78.62 32.76	141.69
33 14 13	13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	729.49 49.75 89.54 37.31	153.14
33 14 13	13-0219	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	854.64 61.10 109.98 45.83	160.80
33 14 13	13-0220	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	882.05 62.72 112.90 47.04	168.19
33 14 13	13-0221	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	823.34 55.69 100.25 41.77	175.81
33 14 13	13-0222	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	940.86 67.05 120.69 50.29	178.45
33 14 13	13-0223	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,058.20 77.62 139.72 58.22	186.10
33 14 13	13-0224	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,330.74 103.76 186.76 77.82	193.48
33 14 13	13-0225	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,419.22 111.45 200.61 83.59	201.13
33 14 13	13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,404.75 108.08 194.55 81.06	213.77
33 14 13	13-0227	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	998.41 67.41 121.34 50.56	214.04
33 14 13	13-0228	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,084.51 74.86 134.75 56.15	221.70

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0229	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,245.30	229.08
		For Cement Mortar Lining (CML), Add	89.82	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	161.68	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	67.37	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0230	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	1,372.83	236.73
		For Cement Mortar Lining (CML), Add	101.42	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	182.55	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	76.06	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	1,669.57	249.38
		For Cement Mortar Lining (CML), Add	129.17	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	232.51	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	96.88	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	1,637.66	267.18
		For Cement Mortar Lining (CML), Add	123.28	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	221.91	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	92.46	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,506.71	273.94
		For Cement Mortar Lining (CML), Add	109.17	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	196.50	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.87	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,608.42	281.59
		For Cement Mortar Lining (CML), Add	118.18	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	212.72	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	88.63	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,706.73	288.97
		For Cement Mortar Lining (CML), Add	126.89	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	228.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	95.17	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0236	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	1,813.25	296.62
		For Cement Mortar Lining (CML), Add	136.38	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	245.49	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	102.29	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	1,843.23	309.27
		For Cement Mortar Lining (CML), Add	137.46	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	247.43	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	103.10	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238	EA	18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	1,877.40	327.07
		For Cement Mortar Lining (CML), Add	138.18	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	248.73	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	103.64	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239	EA	18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	1,777.38	357.02
		For Cement Mortar Lining (CML), Add	123.65	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	222.56	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	92.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,858.07	392.83
		For Cement Mortar Lining (CML), Add	126.29	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	227.32	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	94.72	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,897.91	400.49
		For Cement Mortar Lining (CML), Add	129.11	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	232.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	96.83	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0242	EA		20" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,050.89 143.29 257.92 107.47	407.87
33 14 13 13-0243	EA		20" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,203.06 157.35 283.23 118.01	415.51
33 14 13 13-0244	EA		20" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,234.25 158.55 285.39 118.91	428.16
33 14 13 13-0245	EA		20" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,273.83 159.81 287.66 119.86	445.96
33 14 13 13-0246	EA		20" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,591.96 187.09 336.76 140.32	475.90
33 14 13 13-0247	EA		20" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,543.85 173.27 311.89 129.95	535.35
33 14 13 13-0248	EA		24" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,294.20 151.94 273.50 113.96	511.36
33 14 13 13-0249	EA		24" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,325.03 153.87 276.96 115.40	519.01
33 14 13 13-0250	EA		24" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,535.07 173.75 312.75 130.31	526.39
33 14 13 13-0251	EA		24" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,635.57 182.64 328.76 136.98	534.04
33 14 13 13-0252	EA		24" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,969.56 214.13 385.43 160.59	546.69
33 14 13 13-0253	EA		24" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,254.27 239.90 431.82 179.92	564.48
33 14 13 13-0254	EA		24" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,602.45 270.18 486.32 202.64	594.43

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0255	EA	24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	3,958.68	653.88
		For Cement Mortar Lining (CML), Add	296.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	534.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	222.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256	EA	24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	3,651.93	713.13
		For Cement Mortar Lining (CML), Add	257.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	462.86	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	192.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257	EA	30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,254.25	595.58
		For Cement Mortar Lining (CML), Add	335.19	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	603.33	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	251.39	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258	EA	30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,702.03	603.24
		For Cement Mortar Lining (CML), Add	378.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	681.85	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	284.10	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259	EA	30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,946.33	610.62
		For Cement Mortar Lining (CML), Add	402.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	723.81	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	301.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0260	EA	30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	5,191.02	618.26
		For Cement Mortar Lining (CML), Add	425.43	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	765.77	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	319.07	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261	EA	30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	5,540.03	630.92
		For Cement Mortar Lining (CML), Add	458.41	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	825.14	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	343.81	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0262	EA	30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,920.27	648.71
		For Cement Mortar Lining (CML), Add	493.74	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	888.73	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	370.30	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263	EA	30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	6,083.99	678.65
		For Cement Mortar Lining (CML), Add	505.57	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	910.03	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	379.18	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264	EA	30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	6,339.29	738.11
		For Cement Mortar Lining (CML), Add	522.10	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	939.77	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	391.57	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265	EA	30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	6,667.59	797.37
		For Cement Mortar Lining (CML), Add	545.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	982.70	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	409.46	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0266	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	7,200.63	839.48
		For Cement Mortar Lining (CML), Add	592.87	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,067.16	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	444.65	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	7,652.10	684.21
		For Cement Mortar Lining (CML), Add	661.54	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,190.77	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	496.16	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0268	EA		36" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,937.42 688.16 1,238.68 516.12	696.86
33 14 13 13-0269	EA		36" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,226.94 714.41 1,285.94 535.81	714.67
33 14 13 13-0270	EA		36" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,781.18 765.30 1,377.54 573.97	744.61
33 14 13 13-0271	EA		36" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,381.93 816.37 1,469.46 612.28	804.05
33 14 13 13-0272	EA		36" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,377.14 906.91 1,632.43 680.18	863.31
33 14 13 13-0273	EA		36" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,560.24 1,018.84 1,833.91 764.13	905.42
33 14 13 13-0274	EA		36" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,647.50 1,222.57 2,200.62 916.93	938.40
33 14 13 13-0275	EA		42" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,024.84 1,075.07 1,935.13 806.30	840.92
33 14 13 13-0276	EA		42" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,365.16 1,100.13 1,980.23 825.09	900.18
33 14 13 13-0277	EA		42" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,188.38 1,176.07 2,116.92 882.05	942.30
33 14 13 13-0278	EA		42" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,974.65 1,349.70 2,429.45 1,012.27	975.27
33 14 13 13-0279	EA		42" x 42" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,498.30 1,599.27 2,878.69 1,199.45	993.70
33 14 13 13-0280	EA		48" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,936.01 1,057.29 1,903.12 792.97	899.66

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-0281	EA	48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	13,455.69		958.91
		For Cement Mortar Lining (CML), Add	1,200.28		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	2,160.50		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	900.21		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0282	EA	48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	14,319.17		1,001.04
		For Cement Mortar Lining (CML), Add	1,280.25		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	2,304.44		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	960.18		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0283	EA	48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	16,210.59		1,034.01
		For Cement Mortar Lining (CML), Add	1,464.39		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	2,635.90		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,098.29		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0284	EA	48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	20,882.69		1,052.44
		For Cement Mortar Lining (CML), Add	1,928.81		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	3,471.85		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,446.61		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0285	EA	48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	22,849.75		1,081.81
		For Cement Mortar Lining (CML), Add	2,121.06		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	3,817.92		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,590.80		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0286		Mechanical Joint Ductile Iron Cross (33 14 13 13-0002)			
33 14 13 13-0287	EA	3" x 3" Mechanical Joint Ductile Iron Cross	209.41		87.06
		For Cement Mortar Lining (CML), Add	7.75		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	13.95		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.81		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0288	EA	4" x 3" Mechanical Joint Ductile Iron Cross	242.68		94.74
		For Cement Mortar Lining (CML), Add	9.91		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	17.84		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.43		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0289	EA	4" x 4" Mechanical Joint Ductile Iron Cross	271.07		96.02
		For Cement Mortar Lining (CML), Add	12.56		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	22.60		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.42		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0290	EA	6" x 3" Mechanical Joint Ductile Iron Cross	327.72		118.69
		For Cement Mortar Lining (CML), Add	14.78		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	26.60		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.09		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0291	EA	6" x 4" Mechanical Joint Ductile Iron Cross	330.97		128.03
		For Cement Mortar Lining (CML), Add	13.70		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	24.66		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.27		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0292	EA	6" x 6" Mechanical Joint Ductile Iron Cross	396.28		160.04
		For Cement Mortar Lining (CML), Add	15.38		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	27.68		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.54		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0293	EA	8" x 4" Mechanical Joint Ductile Iron Cross	348.57		140.05
		For Cement Mortar Lining (CML), Add	13.64		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	24.55		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.23		
		Note: ANSI/AWWA C151/A21.51			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0294	EA		8" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	419.89 15.92 28.66 11.94	172.06
33 14 13 13-0295	EA		8" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	446.51 16.76 30.17 12.57	184.05
33 14 13 13-0296	EA		10" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	401.81 17.78 32.01 13.34	147.82
33 14 13 13-0297	EA		10" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	469.77 19.95 35.90 14.96	178.40
33 14 13 13-0298	EA		10" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	535.22 24.75 44.56 18.56	189.88
33 14 13 13-0299	EA		10" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	577.50 26.86 48.34 20.14	203.86
33 14 13 13-0300	EA		12 x 4" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	467.95 22.47 40.45 16.85	160.54
33 14 13 13-0301	EA		12" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	548.52 25.89 46.61 19.42	191.12
33 14 13 13-0302	EA		12" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	715.50 40.85 73.54 30.64	202.60
33 14 13 13-0303	EA		12" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	736.76 40.85 73.54 30.64	216.63
33 14 13 13-0304	EA		12" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	819.13 47.16 84.89 35.37	229.35
33 14 13 13-0305	EA		14" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	813.59 49.51 89.11 37.13	210.22
33 14 13 13-0306	EA		14" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	930.70 59.48 107.06 44.61	221.70

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0307	EA	14" x 10" Mechanical Joint Ductile Iron Cross.....	963.98	235.73
		For Cement Mortar Lining (CML), Add	60.68	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	109.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.51	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0308	EA	14" x 12" Mechanical Joint Ductile Iron Cross.....	1,016.89	248.44
		For Cement Mortar Lining (CML), Add	64.05	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	115.28	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.03	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0309	EA	14" x 14" Mechanical Joint Ductile Iron Cross.....	1,117.33	267.57
		For Cement Mortar Lining (CML), Add	71.20	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	128.15	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.40	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0310	EA	16" x 6" Mechanical Joint Ductile Iron Cross.....	926.80	236.96
		For Cement Mortar Lining (CML), Add	56.78	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	102.20	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.58	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0311	EA	16" x 8" Mechanical Joint Ductile Iron Cross.....	1,032.49	248.44
		For Cement Mortar Lining (CML), Add	65.61	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	118.09	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	49.21	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0312	EA	16" x 10" Mechanical Joint Ductile Iron Cross.....	1,199.49	262.46
		For Cement Mortar Lining (CML), Add	80.18	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	144.33	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.14	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313	EA	16" x 12" Mechanical Joint Ductile Iron Cross.....	1,318.75	275.19
		For Cement Mortar Lining (CML), Add	90.18	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	162.32	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	67.64	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314	EA	16" x 14" Mechanical Joint Ductile Iron Cross.....	1,553.17	294.30
		For Cement Mortar Lining (CML), Add	110.73	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	199.31	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.05	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0315	EA	16" x 16" Mechanical Joint Ductile Iron Cross.....	1,793.76	321.08
		For Cement Mortar Lining (CML), Add	130.73	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	235.32	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	98.05	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316	EA	18" x 6" Mechanical Joint Ductile Iron Cross.....	1,416.47	280.20
		For Cement Mortar Lining (CML), Add	99.19	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	178.55	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	74.39	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317	EA	18" x 8" Mechanical Joint Ductile Iron Cross.....	1,492.74	291.69
		For Cement Mortar Lining (CML), Add	105.08	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	189.14	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	78.81	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318	EA	18" x 10" Mechanical Joint Ductile Iron Cross.....	1,563.25	305.70
		For Cement Mortar Lining (CML), Add	110.01	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	198.01	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	82.50	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319	EA	18" x 12" Mechanical Joint Ductile Iron Cross.....	1,681.05	318.43
		For Cement Mortar Lining (CML), Add	119.86	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	215.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.90	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0320	EA		18" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,925.68 141.43 254.57 106.07	337.53
33 14 13 13-0321	EA		18" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,055.12 150.32 270.58 112.74	364.26
33 14 13 13-0322	EA		18" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,179.51 156.21 281.17 117.16	407.49
33 14 13 13-0323	EA		20" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,779.95 124.73 224.51 93.54	351.57
33 14 13 13-0324	EA		20" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,856.82 130.67 235.21 98.01	363.05
33 14 13 13-0325	EA		20" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,917.12 134.58 242.24 100.93	377.07
33 14 13 13-0326	EA		20" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,034.33 144.37 259.87 108.28	389.79
33 14 13 13-0327	EA		20" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,083.09 146.36 263.44 109.77	408.91
33 14 13 13-0328	EA		20" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,457.65 179.76 323.57 134.82	435.64
33 14 13 13-0329	EA		20" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,582.04 185.65 334.16 139.24	478.88
33 14 13 13-0330	EA		20" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,827.77 199.41 358.93 149.55	550.19
33 14 13 13-0331	EA		24" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,385.25 171.89 309.40 128.92	439.80
33 14 13 13-0332	EA		24" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,442.64 175.85 316.54 131.89	451.28

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0333	EA	24" x 10" Mechanical Joint Ductile Iron Cross.....	2,532.02	465.30
		For Cement Mortar Lining (CML), Add	182.70	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	328.87	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	137.03	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0334	EA	24" x 12" Mechanical Joint Ductile Iron Cross.....	2,610.19	478.02
		For Cement Mortar Lining (CML), Add	188.59	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	339.46	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	141.44	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0335	EA	24" x 14" Mechanical Joint Ductile Iron Cross.....	2,668.56	497.12
		For Cement Mortar Lining (CML), Add	191.54	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	344.76	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	143.65	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0336	EA	24" x 16" Mechanical Joint Ductile Iron Cross.....	2,778.17	523.87
		For Cement Mortar Lining (CML), Add	198.44	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	357.20	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	148.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0337	EA	24" x 18" Mechanical Joint Ductile Iron Cross.....	3,541.21	567.10
		For Cement Mortar Lining (CML), Add	268.20	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	482.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	201.15	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0338	EA	24" x 20" Mechanical Joint Ductile Iron Cross.....	3,776.72	638.47
		For Cement Mortar Lining (CML), Add	280.93	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	505.68	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	210.70	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0339	EA	24" x 24" Mechanical Joint Ductile Iron Cross.....	4,185.56	726.72
		For Cement Mortar Lining (CML), Add	308.45	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	555.21	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	231.34	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0340	EA	30" x 8" Mechanical Joint Ductile Iron Cross.....	4,293.17	584.77
		For Cement Mortar Lining (CML), Add	340.71	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	613.29	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	255.54	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0341	EA	30" x 10" Mechanical Joint Ductile Iron Cross.....	4,381.10	598.79
		For Cement Mortar Lining (CML), Add	347.38	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	625.29	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	260.54	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342	EA	30" x 12" Mechanical Joint Ductile Iron Cross.....	4,466.47	611.52
		For Cement Mortar Lining (CML), Add	353.99	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	637.18	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	265.49	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0343	EA	30" x 14" Mechanical Joint Ductile Iron Cross.....	4,571.71	630.63
		For Cement Mortar Lining (CML), Add	361.62	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	650.92	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	271.22	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0344	EA	30" x 16" Mechanical Joint Ductile Iron Cross.....	4,697.54	657.36
		For Cement Mortar Lining (CML), Add	370.15	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	666.28	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	277.61	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345	EA	30" x 18" Mechanical Joint Ductile Iron Cross.....	4,857.98	700.61
		For Cement Mortar Lining (CML), Add	379.65	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	683.36	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	284.73	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0346	EA		30" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,079.67 391.00 703.80 293.25	771.98
33 14 13 13-0347	EA		30" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,391.51 508.82 915.87 381.61	860.20
33 14 13 13-0348	EA		30" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,354.39 584.88 1,052.78 438.66	993.71
33 14 13 13-0349	EA		36" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,801.23 484.07 871.32 363.05	633.99
33 14 13 13-0350	EA		36" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,888.56 490.67 883.21 368.00	648.00
33 14 13 13-0351	EA		36" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,964.32 496.32 893.38 372.24	660.73
33 14 13 13-0352	EA		36" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,059.35 502.93 905.27 377.20	679.84
33 14 13 13-0353	EA		36" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,175.57 510.50 918.90 382.88	706.58
33 14 13 13-0354	EA		36" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,325.79 518.97 934.15 389.23	749.80
33 14 13 13-0355	EA		36" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,537.87 529.37 952.86 397.02	821.19
33 14 13 13-0356	EA		36" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,869.80 549.19 988.54 411.89	909.41
33 14 13 13-0357	EA		36" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,063.13 748.30 1,346.93 561.22	1,042.91
33 14 13 13-0358	EA		36" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,901.91 824.72 1,484.49 618.54	1,092.17

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0359	EA	42" x 12" Mechanical Joint Ductile Iron Cross.....	7,617.58	689.18
		For Cement Mortar Lining (CML), Add	657.34	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,183.20	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	493.00	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0360	EA	42" x 14" Mechanical Joint Ductile Iron Cross.....	8,539.15	708.30
		For Cement Mortar Lining (CML), Add	746.60	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,343.88	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	559.95	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0361	EA	42" x 16" Mechanical Joint Ductile Iron Cross.....	7,822.21	735.03
		For Cement Mortar Lining (CML), Add	670.85	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,207.54	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	503.14	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0362	EA	42" x 18" Mechanical Joint Ductile Iron Cross.....	7,960.42	778.26
		For Cement Mortar Lining (CML), Add	678.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,220.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	508.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0363	EA	42" x 20" Mechanical Joint Ductile Iron Cross.....	8,167.69	849.64
		For Cement Mortar Lining (CML), Add	688.04	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,238.46	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	516.03	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0364	EA	42" x 24" Mechanical Joint Ductile Iron Cross.....	8,482.20	937.86
		For Cement Mortar Lining (CML), Add	706.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,271.02	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	529.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0365	EA	42" x 30" Mechanical Joint Ductile Iron Cross.....	10,724.79	1,071.37
		For Cement Mortar Lining (CML), Add	910.15	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,638.27	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	682.61	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0366	EA	42" x 36" Mechanical Joint Ductile Iron Cross.....	13,716.24	1,120.57
		For Cement Mortar Lining (CML), Add	1,201.84	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,163.31	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	901.38	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0367	EA	42" x 42" Mechanical Joint Ductile Iron Cross.....	14,643.73	1,149.04
		For Cement Mortar Lining (CML), Add	1,290.28	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,322.50	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	967.71	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0368	EA	48" x 12" Mechanical Joint Ductile Iron Cross.....	10,163.71	802.15
		For Cement Mortar Lining (CML), Add	894.83	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,610.70	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	671.12	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0369	EA	48" x 14" Mechanical Joint Ductile Iron Cross.....	10,246.73	821.26
		For Cement Mortar Lining (CML), Add	900.24	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,620.43	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	675.18	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0370	EA	48" x 16" Mechanical Joint Ductile Iron Cross.....	10,359.33	847.99
		For Cement Mortar Lining (CML), Add	907.45	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,633.41	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	680.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0371	EA	48" x 18" Mechanical Joint Ductile Iron Cross.....	10,496.94	891.24
		For Cement Mortar Lining (CML), Add	914.66	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,646.38	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	685.99	
		Note: ANSI/AWWA C151/A21.51		

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

33 14 13 13-0372	EA		48" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,695.80 923.73 1,662.71 692.80	962.61
33 14 13 13-0373	EA		48" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,000.70 940.85 1,693.54 705.64	1,050.83
33 14 13 13-0374	EA		48" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,717.87 992.34 1,786.21 744.26	1,184.34
33 14 13 13-0375	EA		48" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,130.74 1,226.17 2,207.11 919.63	1,233.55
33 14 13 13-0376	EA		48" x 42" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,830.93 1,591.88 2,865.38 1,193.91	1,262.01
33 14 13 13-0377	EA		48" x 48" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,022.25 1,693.90 3,049.01 1,270.42	1,374.92

33 14 13 13-0378 Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0002)

33 14 13 13-0379	EA		4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	106.63 3.49 6.27 2.61	47.37
33 14 13 13-0380	EA		6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	128.41 3.85 6.92 2.88	59.37
33 14 13 13-0381	EA		6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	137.84 4.21 7.57 3.15	63.21
33 14 13 13-0382	EA		8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	165.70 5.77 10.38 4.33	71.23
33 14 13 13-0383	EA		8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	187.37 6.13 11.03 4.60	83.22
33 14 13 13-0384	EA		10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	189.39 7.51 13.52 5.63	75.43

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0385	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	210.97	86.90
		<i>For Cement Mortar Lining (CML), Add</i>	7.93	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	14.28	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	5.95	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0386	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	230.36	94.54
		<i>For Cement Mortar Lining (CML), Add</i>	8.71	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	15.68	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	6.53	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0387	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	220.79	83.08
		<i>For Cement Mortar Lining (CML), Add</i>	9.49	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	17.09	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	7.12	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0388	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	247.77	94.54
		<i>For Cement Mortar Lining (CML), Add</i>	10.45	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	18.82	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	7.84	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0389	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	262.37	102.18
		<i>For Cement Mortar Lining (CML), Add</i>	10.75	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	19.36	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	8.07	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0390	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	284.98	109.58
		<i>For Cement Mortar Lining (CML), Add</i>	11.90	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	21.41	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	8.92	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0391	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	394.32	107.19
		<i>For Cement Mortar Lining (CML), Add</i>	23.19	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	41.74	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	17.39	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0392	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	393.89	114.85
		<i>For Cement Mortar Lining (CML), Add</i>	21.99	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	39.58	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	16.49	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0393	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	372.64	122.23
		<i>For Cement Mortar Lining (CML), Add</i>	18.75	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	33.74	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	14.06	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0394	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	393.24	129.87
		<i>For Cement Mortar Lining (CML), Add</i>	19.65	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	35.36	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	14.73	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0395	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	462.13	124.98
		<i>For Cement Mortar Lining (CML), Add</i>	27.28	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	49.10	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	20.46	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0396	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	463.51	132.64
		<i>For Cement Mortar Lining (CML), Add</i>	26.26	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	47.26	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	19.69	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0397	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	465.10	140.03
		<i>For Cement Mortar Lining (CML), Add</i>	25.29	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	45.53	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	18.97	
		<i>Note: ANSI/AWWA C151/A21.51</i>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0398	EA		16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	500.11	147.67
			For Cement Mortar Lining (CML), Add	27.64	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	49.75	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.73	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0399	EA		16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	552.31	160.32
			For Cement Mortar Lining (CML), Add	30.94	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	55.69	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.21	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0400	EA		18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	583.38	162.58
			For Cement Mortar Lining (CML), Add	33.71	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	60.67	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.28	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0401	EA		18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	641.44	169.97
			For Cement Mortar Lining (CML), Add	38.39	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	69.10	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.79	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA		18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	632.59	177.61
			For Cement Mortar Lining (CML), Add	36.35	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	65.43	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.26	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403	EA		18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	672.79	190.27
			For Cement Mortar Lining (CML), Add	38.45	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	69.21	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.84	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404	EA		18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	716.58	208.07
			For Cement Mortar Lining (CML), Add	40.13	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	72.24	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.10	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405	EA		20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	815.85	222.04
			For Cement Mortar Lining (CML), Add	47.94	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	86.30	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.96	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406	EA		20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	799.39	229.41
			For Cement Mortar Lining (CML), Add	45.18	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	81.32	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.89	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407	EA		20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	763.52	237.06
			For Cement Mortar Lining (CML), Add	40.43	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	72.78	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.33	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408	EA		20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	779.68	249.71
			For Cement Mortar Lining (CML), Add	40.13	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	72.24	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.10	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409	EA		20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	815.07	267.51
			For Cement Mortar Lining (CML), Add	40.98	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	73.76	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.73	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410	EA		20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	953.55	297.46
			For Cement Mortar Lining (CML), Add	50.29	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	90.52	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.72	
			Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0411	EA	24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,068.39	296.32
		For Cement Mortar Lining (CML), Add	61.94	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	111.50	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.46	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412	EA	24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,103.19	308.98
		For Cement Mortar Lining (CML), Add	63.51	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	114.31	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	47.63	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413	EA	24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,138.57	326.77
		For Cement Mortar Lining (CML), Add	64.35	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	115.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.26	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414	EA	24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,155.70	356.71
		For Cement Mortar Lining (CML), Add	61.52	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	110.74	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.14	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415	EA	24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,392.36	416.17
		For Cement Mortar Lining (CML), Add	76.18	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	137.13	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	57.14	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416	EA	30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,955.78	368.88
		For Cement Mortar Lining (CML), Add	139.69	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	251.43	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	104.76	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417	EA	30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,056.42	398.83
		For Cement Mortar Lining (CML), Add	145.21	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	261.38	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	108.91	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418	EA	30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,065.99	458.28
		For Cement Mortar Lining (CML), Add	137.16	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	246.89	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	102.87	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419	EA	30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,090.29	517.55
		For Cement Mortar Lining (CML), Add	130.61	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	235.11	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	97.96	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420	EA	36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,869.35	491.25
		For Cement Mortar Lining (CML), Add	212.50	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	382.51	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	159.38	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421	EA	36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,521.16	550.51
		For Cement Mortar Lining (CML), Add	168.71	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	303.67	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	126.53	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422	EA	36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,732.77	592.63
		For Cement Mortar Lining (CML), Add	183.48	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	330.27	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	137.61	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423	EA	42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,506.23	420.30
		For Cement Mortar Lining (CML), Add	286.94	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	516.50	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	215.21	
		Note: ANSI/AWWA C151/A21.51		

	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0424	EA		42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,525.16 284.30 511.74 213.22	450.24
33 14 13 13-0425	EA		42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,605.61 283.34 510.01 212.50	509.68
33 14 13 13-0426	EA		42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,024.04 316.20 569.16 237.15	568.95
33 14 13 13-0427	EA		42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,464.23 253.84 456.91 190.38	611.05
33 14 13 13-0428	EA		42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,630.75 265.49 477.89 199.12	644.03
33 14 13 13-0429	EA		48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,604.53 392.32 706.18 294.24	449.67
33 14 13 13-0430	EA		48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,509.32 378.26 680.88 283.70	479.61
33 14 13 13-0431	EA		48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,383.09 356.64 641.94 267.48	539.05
33 14 13 13-0432	EA		48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,563.61 365.71 658.27 274.28	598.31
33 14 13 13-0433	EA		48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,376.62 440.63 793.13 330.47	640.43
33 14 13 13-0434	EA		48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,825.17 380.49 684.88 285.37	673.40
33 14 13 13-0435	EA		48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,248.42 420.02 756.03 315.01	691.83

33 14 13 13-0436 Mechanical Joint Ductile Iron Caps (33 14 13 13-0002)

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0437	EA	3" Mechanical Joint Ductile Iron Caps.....	167.17	100.02
		For Cement Mortar Lining (CML), Add	1.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2.81	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.17	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438	EA	4" Mechanical Joint Ductile Iron Caps.....	194.04	117.36
		For Cement Mortar Lining (CML), Add	1.62	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2.92	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.22	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439	EA	6" Mechanical Joint Ductile Iron Caps.....	251.11	146.71
		For Cement Mortar Lining (CML), Add	2.88	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	5.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.16	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0440	EA	8" Mechanical Joint Ductile Iron Caps.....	302.09	167.67
		For Cement Mortar Lining (CML), Add	4.81	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	8.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441	EA	10" Mechanical Joint Ductile Iron Caps.....	446.79	254.82
		For Cement Mortar Lining (CML), Add	6.07	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	10.92	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.55	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442	EA	12" Mechanical Joint Ductile Iron Caps.....	511.92	277.99
		For Cement Mortar Lining (CML), Add	9.07	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	16.33	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.80	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0443	EA	14" Mechanical Joint Ductile Iron Caps.....	600.91	305.80
		For Cement Mortar Lining (CML), Add	13.76	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	24.76	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.32	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444	EA	16" Mechanical Joint Ductile Iron Caps.....	699.25	339.73
		For Cement Mortar Lining (CML), Add	18.45	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	33.20	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0445	EA	18" Mechanical Joint Ductile Iron Caps.....	804.45	382.24
		For Cement Mortar Lining (CML), Add	22.53	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	40.55	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.90	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0446	EA	20" Mechanical Joint Ductile Iron Caps.....	953.28	436.79
		For Cement Mortar Lining (CML), Add	29.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	52.45	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.85	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0447	EA	24" Mechanical Joint Ductile Iron Caps.....	1,172.33	509.66
		For Cement Mortar Lining (CML), Add	40.01	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	72.02	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.01	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0448	EA	30" Mechanical Joint Ductile Iron Caps.....	1,841.67	611.59
		For Cement Mortar Lining (CML), Add	91.50	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	164.70	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	68.63	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0449	EA	36" Mechanical Joint Ductile Iron Caps.....	2,822.53	764.48
		For Cement Mortar Lining (CML), Add	166.42	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	299.56	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	124.82	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0450	EA		42" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,913.93 252.40 454.31 189.30	917.38
33 14 13 13-0451	EA		48" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,585.66 304.13 547.43 228.09	1,019.31
33 14 13 13-0452 Mechanical Joint Ductile Iron Plug (33 14 13 13-0002)					
33 14 13 13-0453	EA		3" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	169.57 1.80 3.24 1.35	100.02
33 14 13 13-0454	EA		4" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	197.65 1.98 3.57 1.49	117.36
33 14 13 13-0455	EA		6" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	260.72 3.85 6.92 2.88	146.71
33 14 13 13-0456	EA		8" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	311.71 5.77 10.38 4.33	167.67
33 14 13 13-0457	EA		10" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	485.84 9.97 17.95 7.48	254.82
33 14 13 13-0458	EA		12" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	522.74 10.15 18.28 7.62	277.99
33 14 13 13-0459	EA		14" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	670.01 20.67 37.20 15.50	305.80
33 14 13 13-0460	EA		16" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	541.24 2.64 4.76 1.98	339.73
33 14 13 13-0461	EA		18" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	907.19 32.80 59.05 24.60	382.24
33 14 13 13-0462	EA		20" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,093.26 43.14 77.65 32.35	436.79

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-0463	EA	24" Mechanical Joint Ductile Iron Plug.....	1,370.60		509.66
		For Cement Mortar Lining (CML), Add	59.84		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	107.71		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	44.88		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0464	EA	30" Mechanical Joint Ductile Iron Plug.....	2,114.43		611.59
		For Cement Mortar Lining (CML), Add	118.78		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	213.80		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.08		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0465	EA	36" Mechanical Joint Ductile Iron Plug.....	2,993.15		764.48
		For Cement Mortar Lining (CML), Add	183.48		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	330.27		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	137.61		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0466	EA	42" Mechanical Joint Ductile Iron Plug.....	3,935.56		917.38
		For Cement Mortar Lining (CML), Add	254.56		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	458.21		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	190.92		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0467	EA	48" Mechanical Joint Ductile Iron Plug.....	4,937.72		1,019.31
		For Cement Mortar Lining (CML), Add	339.33		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	610.80		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	254.50		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0468		Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters (33 14 13 13-0002)			
33 14 13 13-0469	EA	3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	269.40		152.04
		For Cement Mortar Lining (CML), Add	3.91		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	7.03		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.93		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0470	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	308.79		176.04
		For Cement Mortar Lining (CML), Add	4.21		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	7.57		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.15		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0471	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	391.70		220.05
		For Cement Mortar Lining (CML), Add	5.83		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	10.49		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.37		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0472	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	469.37		251.45
		For Cement Mortar Lining (CML), Add	8.83		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	15.90		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.62		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0473	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	732.95		382.24
		For Cement Mortar Lining (CML), Add	15.38		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	27.68		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.54		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0474	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	828.86		416.99
		For Cement Mortar Lining (CML), Add	19.71		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	35.47		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.78		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0475	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,008.00		458.69
		For Cement Mortar Lining (CML), Add	31.30		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	56.34		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.48		
		Note: ANSI/AWWA C151/A21.51			

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

33 14 13 13-0476	EA		16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,129.68 35.75 64.35 26.81	509.66
33 14 13 13-0477	EA		18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,415.46 54.67 98.41 41.00	573.36
33 14 13 13-0478	EA		20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,644.11 65.13 117.23 48.85	655.25
33 14 13 13-0479	EA		24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,960.38 80.21 144.37 60.16	764.48
33 14 13 13-0480	EA		30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,866.14 147.62 265.71 110.71	917.38
33 14 13 13-0481	EA		36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,852.88 211.54 380.78 158.66	1,146.73
33 14 13 13-0482	EA		42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,935.00 294.93 530.88 221.20	1,310.51
33 14 13 13-0483	EA		48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,010.34 369.37 664.87 277.03	1,528.97

33 14 13 13-0484 Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0002)

33 14 13 13-0485	EA		3" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	263.39 3.30 5.95 2.48	152.04
33 14 13 13-0486	EA		4" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	305.78 3.91 7.03 2.93	176.04
33 14 13 13-0487	EA		6" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	398.91 6.55 11.79 4.91	220.05
33 14 13 13-0488	EA		8" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	488.59 10.75 19.36 8.07	251.45

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0489	EA	10" Mechanical Joint Ductile Iron Long Sleeves	707.12	382.24
		For Cement Mortar Lining (CML), Add	12.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	23.03	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0490	EA	12" Mechanical Joint Ductile Iron Long Sleeves	804.83	416.99
		For Cement Mortar Lining (CML), Add	17.30	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	31.15	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.98	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0491	EA	14" Mechanical Joint Ductile Iron Long Sleeves	956.33	458.69
		For Cement Mortar Lining (CML), Add	26.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	47.04	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0492	EA	16" Mechanical Joint Ductile Iron Long Sleeves	1,103.24	509.66
		For Cement Mortar Lining (CML), Add	33.10	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	59.59	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0493	EA	18" Mechanical Joint Ductile Iron Long Sleeves	1,292.29	573.36
		For Cement Mortar Lining (CML), Add	42.36	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	76.24	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.77	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0494	EA	20" Mechanical Joint Ductile Iron Long Sleeves	1,504.12	655.25
		For Cement Mortar Lining (CML), Add	51.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	92.03	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.35	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0495	EA	24" Mechanical Joint Ductile Iron Long Sleeves	1,831.81	764.48
		For Cement Mortar Lining (CML), Add	67.35	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	121.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.51	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0496	EA	30" Mechanical Joint Ductile Iron Long Sleeves	2,800.65	917.38
		For Cement Mortar Lining (CML), Add	141.07	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	253.92	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	105.80	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0497	EA	36" Mechanical Joint Ductile Iron Long Sleeves	3,718.30	1,146.73
		For Cement Mortar Lining (CML), Add	198.08	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	356.55	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	148.56	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0498	EA	42" Mechanical Joint Ductile Iron Long Sleeves	4,632.93	1,309.01
		For Cement Mortar Lining (CML), Add	264.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	476.92	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	198.71	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0499	EA	48" Mechanical Joint Ductile Iron Long Sleeves	6,038.58	1,528.97
		For Cement Mortar Lining (CML), Add	372.20	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	669.95	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	279.15	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0500 Mechanical Joint Ductile Iron Gland Packs (33 14 13 13-0002)

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.

33 14 13 13-0501 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts (33 14 13 13-0500)

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0502	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	12.02	
33 14 13 13-0503	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	25.63	
		Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0504	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	30.97	
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0505	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	36.31	
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		

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

33 14 13 13-0506	EA		10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	50.20	
33 14 13 13-0507	EA		12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	53.40	
33 14 13 13-0508	EA		14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	87.58	
33 14 13 13-0509	EA		16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	92.92	
33 14 13 13-0510	EA		18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	123.90	
33 14 13 13-0511	EA		20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	160.21	
33 14 13 13-0512	EA		24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	223.23	
33 14 13 13-0513	EA		30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	532.97	
33 14 13 13-0514	EA		36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	1,149.25	
33 14 13 13-0515	EA		42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	1,677.95	
33 14 13 13-0516	EA		48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	2,059.26	

33 14 13 13-0517 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts (33 14 13 13-0500)

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0518	EA		3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	20.43	
33 14 13 13-0519	EA		4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	36.31	
33 14 13 13-0520	EA		6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	45.93	
33 14 13 13-0521	EA		8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	50.20	
33 14 13 13-0522	EA		10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	69.43	
33 14 13 13-0523	EA		12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	72.63	
33 14 13 13-0524	EA		14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	110.01	
33 14 13 13-0525	EA		16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	120.69	
33 14 13 13-0526	EA		18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	160.21	
33 14 13 13-0527	EA		20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	207.21	
33 14 13 13-0528	EA		24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	289.45	

33 14 13 13-0529 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts (33 14 13 13-0500)

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0530	EA		3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	13.22	
33 14 13 13-0531	EA		4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	27.77	
33 14 13 13-0532	EA		6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	33.11	
33 14 13 13-0533	EA		8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	39.52	
33 14 13 13-0534	EA		10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	54.47	
33 14 13 13-0535	EA		12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	57.68	
33 14 13 13-0536	EA		14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	95.06	
33 14 13 13-0537	EA		16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	100.40	
33 14 13 13-0538	EA		18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	135.65	
33 14 13 13-0539	EA		20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	174.10	
33 14 13 13-0540	EA		24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	243.52	
33 14 13 13-0541	EA		30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	583.17	
33 14 13 13-0542	EA		36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	1,292.38	
33 14 13 13-0543	EA		42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	1,871.28	
33 14 13 13-0544	EA		48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	2,302.78	

33 14 13 13-0545 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) (33 14 13 13-0002)

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0546	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC).....	169.15	76.26
33 14 13 13-0547	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC).....	195.12	90.33
33 14 13 13-0548	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC).....	241.89	111.78
33 14 13 13-0549	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC).....	296.05	130.45
33 14 13 13-0550	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC).....	430.27	191.12
33 14 13 13-0551	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC).....	519.55	218.46
33 14 13 13-0552	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC).....	592.83	235.14
33 14 13 13-0553	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC).....	708.38	254.82
33 14 13 13-0554	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC).....	895.52	305.80
33 14 13 13-0555	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC).....	1,043.50	339.62
33 14 13 13-0556	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC).....	1,323.91	391.86
33 14 13 13-0557	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC).....	2,385.67	469.93
33 14 13 13-0558	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC).....	2,950.93	588.07
33 14 13 13-0559	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC).....	4,235.00	678.54
33 14 13 13-0560	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC).....	5,425.78	872.67

33 14 13 13-0561 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) (33 14 13 13-0002)

33 14 13 13-0562	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	2,622.72	62.41
33 14 13 13-0563	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	2,739.08	78.02
33 14 13 13-0564	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	3,975.09	115.30
33 14 13 13-0565	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	5,390.75	136.77
33 14 13 13-0566	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	6,783.45	152.55
33 14 13 13-0567	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	9,032.24	178.96
33 14 13 13-0568	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	11,114.25	200.67
33 14 13 13-0569	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	13,143.63	229.35
33 14 13 13-0570	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	14,857.58	321.08
33 14 13 13-0571	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	19,968.85	401.36
33 14 13 13-0572	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	27,655.98	535.13

33 14 13 13-0573 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series) (33 14 13 13-0002)

Note: Includes machined bolts and gasket.

33 14 13 13-0574	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM).....	168.28	76.26
33 14 13 13-0575	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM).....	211.18	90.33
33 14 13 13-0576	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM).....	269.75	111.78
33 14 13 13-0577	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM).....	309.70	130.45
33 14 13 13-0578	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM).....	525.28	200.05
33 14 13 13-0579	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM).....	595.90	228.66

33 14 13 13-0580 Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) (33 14 13 13-0002)

Note: Includes nuts, bolts and gasket.

33 14 13 13-0581	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300).....	222.85	76.26
33 14 13 13-0582	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400).....	274.32	90.33
33 14 13 13-0583	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600).....	371.27	111.78
33 14 13 13-0584	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800).....	516.71	130.45
33 14 13 13-0585	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000).....	755.76	200.05
33 14 13 13-0586	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200).....	926.72	228.66
33 14 13 13-0587	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400).....	1,359.60	246.12
33 14 13 13-0588	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600).....	1,855.03	266.73
33 14 13 13-0589	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800).....	2,110.01	320.08
33 14 13 13-0590	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000).....	2,332.05	355.48
33 14 13 13-0591	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400).....	2,808.42	410.16
33 14 13 13-0592	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000).....	3,590.11	491.87
33 14 13 13-0593	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600).....	5,285.53	615.55
33 14 13 13-0594	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200).....	13,210.40	710.23
33 14 13 13-0595	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800).....	16,923.05	913.43

33 14 13 13-0596 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping (33 14 13 13-0001)

Note: See CSI section 33 14 13 13-0500 for bolts and gaskets.

33 14 13 13-0597 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0596)

33 14 13 13-0598	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	193.92	43.52
33 14 13 13-0599	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	232.01	52.13
33 14 13 13-0600	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	356.11	76.38
33 14 13 13-0601	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	472.86	90.93
33 14 13 13-0602	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	625.08	101.93
33 14 13 13-0603	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	782.68	119.30
33 14 13 13-0604	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,076.26	134.36
33 14 13 13-0605	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,296.28	152.89
33 14 13 13-0606	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,596.17	214.29
33 14 13 13-0607	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,990.29	267.57
33 14 13 13-0608	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	2,791.73	356.76
33 14 13 13-0609	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	4,278.28	382.24
33 14 13 13-0610	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	6,132.16	397.30
33 14 13 13-0611	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	9,904.64	458.69
33 14 13 13-0612	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	12,842.46	487.65

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

33 14 13 13-0613	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0614	EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	187.31	43.52
33 14 13 13-0615	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	220.60	52.13
33 14 13 13-0616	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	336.28	76.38
33 14 13 13-0617	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	442.21	90.93
33 14 13 13-0618	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	560.19	101.93
33 14 13 13-0619	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	724.40	119.30
33 14 13 13-0620	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	951.30	134.36
33 14 13 13-0621	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,131.66	152.89
33 14 13 13-0622	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,372.08	214.29
33 14 13 13-0623	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,673.67	267.57
33 14 13 13-0624	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,209.55	356.76
33 14 13 13-0625	EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,787.42	382.24
33 14 13 13-0626	EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	5,102.99	397.30
33 14 13 13-0627	EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	7,449.77	458.69
33 14 13 13-0628	EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	9,435.92	487.65

33 14 13 13-0629	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0630	EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	155.47	43.52
33 14 13 13-0631	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	218.80	52.13
33 14 13 13-0632	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	329.07	76.38
33 14 13 13-0633	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	439.81	90.93
33 14 13 13-0634	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	559.59	101.93
33 14 13 13-0635	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	689.56	119.30
33 14 13 13-0636	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	956.10	134.36
33 14 13 13-0637	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,110.03	152.89
33 14 13 13-0638	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,366.67	214.29
33 14 13 13-0639	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,723.54	267.57
33 14 13 13-0640	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,169.90	356.76
33 14 13 13-0641	EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,413.12	382.24
33 14 13 13-0642	EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,532.23	397.30
33 14 13 13-0643	EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	6,374.94	458.69
33 14 13 13-0644	EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	8,061.89	487.65

33 14 13 13-0645	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0646	EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	155.47	43.52
33 14 13 13-0647	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	251.84	52.13
33 14 13 13-0648	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	331.48	76.38
33 14 13 13-0649	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	429.00	90.93
33 14 13 13-0650	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	558.39	101.93
33 14 13 13-0651	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	673.34	119.30
33 14 13 13-0652	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,019.19	134.36
33 14 13 13-0653	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,139.47	152.89
33 14 13 13-0654	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,537.30	214.29
33 14 13 13-0655	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,671.87	267.57
33 14 13 13-0656	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,170.50	356.76
33 14 13 13-0657	EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,452.78	382.24
33 14 13 13-0658	EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,418.68	397.30
33 14 13 13-0659	EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	6,212.73	458.69
33 14 13 13-0660	EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	8,018.63	487.65

33 14 13 13-0661	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0662	EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	175.30	43.52
33 14 13 13-0663	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	245.83	52.13
33 14 13 13-0664	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	378.94	76.38
33 14 13 13-0665	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	501.69	90.93
33 14 13 13-0666	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	667.13	101.93
33 14 13 13-0667	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	828.94	119.30
33 14 13 13-0668	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,408.51	134.36
33 14 13 13-0669	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,141.60	152.89
33 14 13 13-0670	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,487.16	214.29
33 14 13 13-0671	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,887.89	267.57
33 14 13 13-0672	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,190.66	356.76

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
33 14 13 13-0673		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0674	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	175.30	43.52
33 14 13 13-0675	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	223.00	52.13
33 14 13 13-0676	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	345.91	76.38
33 14 13 13-0677	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	471.65	90.93
33 14 13 13-0678	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	606.46	101.93
33 14 13 13-0679	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	776.07	119.30
33 14 13 13-0680	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,008.96	134.36
33 14 13 13-0681	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,204.36	152.89
33 14 13 13-0682	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,180.75	214.29
33 14 13 13-0683	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,331.54	267.57
33 14 13 13-0684	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,506.94	356.76
33 14 13 13-0685		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee <small>(33 14 13 13-0596)</small>		
33 14 13 13-0686	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	250.94	65.30
33 14 13 13-0687	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	276.16	73.62
33 14 13 13-0688	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	290.63	76.38
33 14 13 13-0689	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	401.45	96.83
33 14 13 13-0690	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	430.92	100.63
33 14 13 13-0691	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	461.12	112.76
33 14 13 13-0692	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	521.89	116.39
33 14 13 13-0693	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	567.11	128.51
33 14 13 13-0694	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	618.90	137.00
33 14 13 13-0695	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	670.34	126.26
33 14 13 13-0696	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	681.11	137.83
33 14 13 13-0697	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	734.15	145.95
33 14 13 13-0698	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	788.00	152.89
33 14 13 13-0699	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	796.24	141.32
33 14 13 13-0700	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	813.60	152.89
33 14 13 13-0701	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	875.07	161.01
33 14 13 13-0702	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	991.39	167.95
33 14 13 13-0703	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,001.18	176.06
33 14 13 13-0704	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,113.29	178.38
33 14 13 13-0705	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,197.59	186.49
33 14 13 13-0706	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,420.86	193.44
33 14 13 13-0707	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,496.73	201.55
33 14 13 13-0708	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,414.37	214.29
33 14 13 13-0709	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,332.35	214.29
33 14 13 13-0710	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,400.53	221.24
33 14 13 13-0711	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,643.03	229.35
33 14 13 13-0712	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,563.28	236.29
33 14 13 13-0713	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,979.58	249.04
33 14 13 13-0714	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,832.91	267.57
33 14 13 13-0715	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,742.23	274.52
33 14 13 13-0716	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,830.12	281.47
33 14 13 13-0717	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,939.24	288.42
33 14 13 13-0718	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,040.95	296.53
33 14 13 13-0719	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,101.57	309.27
33 14 13 13-0720	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,242.09	326.64
33 14 13 13-0721	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,494.73	356.76
33 14 13 13-0722	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,081.57	392.67
33 14 13 13-0723	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,117.80	400.77
33 14 13 13-0724	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,294.81	407.73
33 14 13 13-0725	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,395.31	415.83
33 14 13 13-0726	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,427.71	428.57
33 14 13 13-0727	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,420.42	445.95
33 14 13 13-0728	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,999.30	476.06
33 14 13 13-0729	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,688.04	535.13
33 14 13 13-0730	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,561.56	510.82
33 14 13 13-0731	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,588.78	520.08
33 14 13 13-0732	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,633.60	525.87
33 14 13 13-0733	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,696.85	533.98
33 14 13 13-0734	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,006.21	546.72
33 14 13 13-0735	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,129.91	564.09
33 14 13 13-0736	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,750.85	594.21
33 14 13 13-0737	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,913.02	654.45
33 14 13 13-0738	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,771.49	713.52
33 14 13 13-0739	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,181.56	595.38
33 14 13 13-0740	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,017.72	603.48
33 14 13 13-0741	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,219.37	610.43
33 14 13 13-0742	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,422.00	618.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0743	EA	30"	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,711.53	631.28
33 14 13 13-0744	EA	30"	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,028.09	839.77
33 14 13 13-0745	EA	30"	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,038.60	678.77
33 14 13 13-0746	EA	30"	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,093.23	737.84
33 14 13 13-0747	EA	30"	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,335.02	796.91
33 14 13 13-0748	EA	30"	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,255.58	839.77
33 14 13 13-0749	EA	36"	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,370.58	669.51
33 14 13 13-0750	EA	36"	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,817.96	676.45
33 14 13 13-0751	EA	36"	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,063.25	684.56
33 14 13 13-0752	EA	36"	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,244.04	697.30
33 14 13 13-0753	EA	36"	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,430.82	714.68
33 14 13 13-0754	EA	36"	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,786.19	744.80
33 14 13 13-0755	EA	36"	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,186.88	803.87
33 14 13 13-0756	EA	36"	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,827.61	862.94
33 14 13 13-0757	EA	36"	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,641.22	938.23
33 14 13 13-0758	EA	42"	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,557.81	721.63
33 14 13 13-0759	EA	42"	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,748.21	733.21
33 14 13 13-0760	EA	42"	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,665.57	751.74
33 14 13 13-0761	EA	42"	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,081.96	781.86
33 14 13 13-0762	EA	42"	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,172.03	840.93
33 14 13 13-0763	EA	42"	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,273.17	900.00
33 14 13 13-0764	EA	42"	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,482.98	942.86
33 14 13 13-0765	EA	42"	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,795.55	975.29
33 14 13 13-0766	EA	42"	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,435.11	993.83
33 14 13 13-0767	EA	48"	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,085.14	779.54
33 14 13 13-0768	EA	48"	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,282.73	792.28
33 14 13 13-0769	EA	48"	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,563.24	810.81
33 14 13 13-0770	EA	48"	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,860.35	839.77
33 14 13 13-0771	EA	48"	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,203.97	900.00
33 14 13 13-0772	EA	48"	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,327.39	959.08
33 14 13 13-0773	EA	48"	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,207.69	1,000.78
33 14 13 13-0774	EA	48"	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,850.25	1,034.37
33 14 13 13-0775	EA	48"	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,363.08	1,052.91
33 14 13 13-0776	EA	48"	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,484.01	1,081.86

33 14 13 13-0778

Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) (33 14 13 13-0596)

33 14 13 13-0779	EA	3"	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	281.20	72.98
33 14 13 13-0780	EA	4"	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	302.23	72.98
33 14 13 13-0781	EA	4"	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	345.90	76.38
33 14 13 13-0782	EA	6"	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	393.64	96.83
33 14 13 13-0783	EA	6"	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	432.12	100.63
33 14 13 13-0784	EA	6"	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	518.20	112.76
33 14 13 13-0785	EA	8"	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	649.86	116.39
33 14 13 13-0786	EA	8"	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	619.98	128.51
33 14 13 13-0787	EA	8"	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	689.19	137.00
33 14 13 13-0788	EA	10"	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	910.06	126.26
33 14 13 13-0789	EA	10"	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	953.87	137.83
33 14 13 13-0790	EA	10"	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,058.59	145.95
33 14 13 13-0791	EA	10"	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,149.68	152.89
33 14 13 13-0792	EA	12"	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,098.45	141.32
33 14 13 13-0793	EA	12"	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,238.37	152.89
33 14 13 13-0794	EA	12"	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,445.83	161.01
33 14 13 13-0795	EA	12"	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,454.01	167.95
33 14 13 13-0796	EA	12"	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,361.66	176.06
33 14 13 13-0797	EA	14"	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,589.13	178.38
33 14 13 13-0798	EA	14"	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,808.60	186.49
33 14 13 13-0799	EA	14"	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,333.48	193.44
33 14 13 13-0800	EA	14"	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,496.46	201.55
33 14 13 13-0801	EA	14"	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,449.54	214.29
33 14 13 13-0802	EA	16"	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,681.52	214.29
33 14 13 13-0803	EA	16"	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,843.32	221.24
33 14 13 13-0804	EA	16"	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,155.51	229.35
33 14 13 13-0805	EA	16"	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,224.16	236.29
33 14 13 13-0806	EA	16"	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,713.16	249.04
33 14 13 13-0807	EA	16"	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,595.94	267.57
33 14 13 13-0808	EA	18"	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,355.04	274.52
33 14 13 13-0809	EA	18"	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,527.05	281.47
33 14 13 13-0810	EA	18"	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,693.24	288.42
33 14 13 13-0811	EA	18"	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,873.06	296.53
33 14 13 13-0812	EA	18"	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,911.45	309.27
33 14 13 13-0813	EA	18"	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,958.24	326.64
33 14 13 13-0814	EA	18"	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,738.66	356.76
33 14 13 13-0815	EA	20"	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,839.78	392.67
33 14 13 13-0816	EA	20"	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,901.25	400.77
33 14 13 13-0817	EA	20"	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,164.77	407.73
33 14 13 13-0818	EA	20"	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,426.28	415.83
33 14 13 13-0819	EA	20"	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,466.49	428.57
33 14 13 13-0820	EA	20"	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,516.28	445.95
33 14 13 13-0821	EA	20"	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,045.90	476.06
33 14 13 13-0822	EA	20"	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,890.84	535.13
33 14 13 13-0823	EA	24"	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,475.38	510.82
33 14 13 13-0824	EA	24"	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,521.22	518.92

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

33 14 13 13-0825	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,885.67	525.87
33 14 13 13-0826	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,055.26	533.98
33 14 13 13-0827	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,633.78	546.72
33 14 13 13-0828	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,119.16	564.09
33 14 13 13-0829	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,702.24	594.21
33 14 13 13-0830	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,265.75	654.45
33 14 13 13-0831	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,650.80	713.52
33 14 13 13-0832	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,859.92	595.38
33 14 13 13-0833	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,646.55	603.48
33 14 13 13-0834	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,071.70	610.43
33 14 13 13-0835	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,497.83	618.54
33 14 13 13-0836	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,103.38	631.28
33 14 13 13-0837	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,758.18	648.65
33 14 13 13-0838	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,013.82	678.77
33 14 13 13-0839	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,397.70	737.84
33 14 13 13-0840	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,911.04	796.91
33 14 13 13-0841	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,808.77	839.77
33 14 13 13-0842	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,794.35	684.56
33 14 13 13-0843	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,286.35	697.30
33 14 13 13-0844	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,780.14	714.68
33 14 13 13-0845	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,729.70	744.80
33 14 13 13-0846	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,727.58	803.87
33 14 13 13-0847	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	17,426.32	862.94
33 14 13 13-0848	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	19,479.38	905.80
33 14 13 13-0849	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,150.35	938.23
33 14 13 13-0850	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	20,381.36	840.93
33 14 13 13-0851	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	20,916.35	900.00
33 14 13 13-0852	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,329.55	942.86
33 14 13 13-0853	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	25,465.82	975.29
33 14 13 13-0854	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,929.45	993.83
33 14 13 13-0855	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	20,154.35	900.00
33 14 13 13-0856	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,785.52	959.08
33 14 13 13-0857	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	24,270.22	1,000.78
33 14 13 13-0858	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,593.35	1,034.37
33 14 13 13-0859	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	35,875.06	1,052.91
33 14 13 13-0860	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	39,336.31	1,081.86

33 14 13 13-0861 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee

(33 14 13 13-0596)

33 14 13 13-0862	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	483.35	112.76
33 14 13 13-0863	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	589.94	128.51
33 14 13 13-0864	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	801.27	137.83
33 14 13 13-0865	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	916.94	152.89
33 14 13 13-0866	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,189.59	178.38
33 14 13 13-0867	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,446.00	214.29
33 14 13 13-0868	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,727.21	274.52
33 14 13 13-0869	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,345.32	392.67
33 14 13 13-0870	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,764.21	510.82
33 14 13 13-0871	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,745.71	595.38

33 14 13 13-0872 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross

(33 14 13 13-0596)

33 14 13 13-0873	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	293.53	87.06
33 14 13 13-0874	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	353.23	94.74
33 14 13 13-0875	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	420.07	95.78
33 14 13 13-0876	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	461.70	118.75
33 14 13 13-0877	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	529.84	128.51
33 14 13 13-0878	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	602.96	160.04
33 14 13 13-0879	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	566.66	140.64
33 14 13 13-0880	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	674.63	172.17
33 14 13 13-0881	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	680.83	184.29
33 14 13 13-0882	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	650.54	148.26
33 14 13 13-0883	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	741.33	178.38
33 14 13 13-0884	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	859.65	189.96
33 14 13 13-0885	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	929.57	203.86
33 14 13 13-0886	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	808.00	161.01
33 14 13 13-0887	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	940.25	191.12
33 14 13 13-0888	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,015.90	202.71
33 14 13 13-0889	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,166.34	216.61
33 14 13 13-0890	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,314.79	229.35
33 14 13 13-0891	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,333.88	209.65
33 14 13 13-0892	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,555.53	221.24
33 14 13 13-0893	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,601.43	236.29

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-------------	------------------------	----------------------

33 14 13 13-0894	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,689.79	247.88
33 14 13 13-0895	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,865.32	267.57
33 14 13 13-0896	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,494.55	237.45
33 14 13 13-0897	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,688.57	247.88
33 14 13 13-0898	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,001.21	262.94
33 14 13 13-0899	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,220.55	275.68
33 14 13 13-0900	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,659.85	294.21
33 14 13 13-0901	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,789.29	320.85
33 14 13 13-0902	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,458.86	280.31
33 14 13 13-0903	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,597.01	291.90
33 14 13 13-0904	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,719.19	305.80
33 14 13 13-0905	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,940.92	318.54
33 14 13 13-0906	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,412.06	337.07
33 14 13 13-0907	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,634.62	363.71
33 14 13 13-0908	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,820.90	407.73
33 14 13 13-0909	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,090.90	352.13
33 14 13 13-0910	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,230.25	362.55
33 14 13 13-0911	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,331.41	377.61
33 14 13 13-0912	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,551.35	390.35
33 14 13 13-0913	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,621.14	408.88
33 14 13 13-0914	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,346.57	435.53
33 14 13 13-0915	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,532.84	478.39
33 14 13 13-0916	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,923.36	550.19
33 14 13 13-0917	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,191.85	440.16
33 14 13 13-0918	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,290.70	451.74
33 14 13 13-0919	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,452.18	465.64
33 14 13 13-0920	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,592.23	478.39
33 14 13 13-0921	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,681.24	496.92
33 14 13 13-0922	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,863.55	523.56
33 14 13 13-0923	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,359.56	567.58
33 14 13 13-0924	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,729.05	638.22
33 14 13 13-0925	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,427.47	726.26
33 14 13 13-0926	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,412.19	584.95
33 14 13 13-0927	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,541.57	598.85
33 14 13 13-0928	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,667.80	611.59
33 14 13 13-0929	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,820.50	630.12
33 14 13 13-0930	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,999.80	657.92
33 14 13 13-0931	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,219.12	700.78
33 14 13 13-0932	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,511.10	771.44
33 14 13 13-0933	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,555.92	860.63
33 14 13 13-0934	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,991.63	993.83
33 14 13 13-0935	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,811.83	633.59
33 14 13 13-0936	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,940.03	647.49
33 14 13 13-0937	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,051.23	660.24
33 14 13 13-0938	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,187.11	679.92
33 14 13 13-0939	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,350.19	706.57
33 14 13 13-0940	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,553.29	749.43
33 14 13 13-0941	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,830.25	821.24
33 14 13 13-0942	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,285.35	909.27
33 14 13 13-0943	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,716.93	1,042.48
33 14 13 13-0944	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,030.94	1,092.28
33 14 13 13-0945	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,705.43	689.19
33 14 13 13-0946	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,953.65	707.73
33 14 13 13-0947	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,112.53	735.53
33 14 13 13-0948	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,338.45	778.38
33 14 13 13-0949	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,739.78	850.20
33 14 13 13-0950	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,530.12	938.23
33 14 13 13-0951	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	16,384.93	1,071.44
33 14 13 13-0952	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,190.80	1,120.08
33 14 13 13-0953	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	22,668.02	1,149.04
33 14 13 13-0954	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,728.92	802.71
33 14 13 13-0955	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,845.58	821.24
33 14 13 13-0956	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	16,002.65	847.88
33 14 13 13-0957	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	16,185.31	890.74
33 14 13 13-0958	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	16,440.65	962.56
33 14 13 13-0959	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	16,851.89	1,050.59
33 14 13 13-0960	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,889.29	1,183.80
33 14 13 13-0961	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,756.69	1,233.60
33 14 13 13-0962	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,730.91	1,262.56
33 14 13 13-0963	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,556.67	1,374.92

33 14 13 13-0964 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0966)

33 14 13 13-0965	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	194.94	47.37
33 14 13 13-0966	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	265.99	59.37
33 14 13 13-0967	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	290.44	63.05
33 14 13 13-0968	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	369.97	71.53
33 14 13 13-0969	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	393.45	83.66

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0970	EA		10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	441.73	75.29
33 14 13 13-0971	EA		10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	469.91	86.87
33 14 13 13-0972	EA		10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	492.91	94.98
33 14 13 13-0973	EA		12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	506.77	83.40
33 14 13 13-0974	EA		12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	563.19	94.98
33 14 13 13-0975	EA		12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	578.39	101.93
33 14 13 13-0976	EA		12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	607.01	110.03
33 14 13 13-0977	EA		14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	841.91	107.72
33 14 13 13-0978	EA		14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	853.50	114.67
33 14 13 13-0979	EA		14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	764.36	122.78
33 14 13 13-0980	EA		14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	784.96	129.73
33 14 13 13-0981	EA		16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,005.86	125.10
33 14 13 13-0982	EA		16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	986.81	133.20
33 14 13 13-0983	EA		16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	941.53	140.16
33 14 13 13-0984	EA		16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	939.29	147.11
33 14 13 13-0985	EA		16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,055.78	159.85
33 14 13 13-0986	EA		18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,119.29	162.16
33 14 13 13-0987	EA		18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,249.45	170.28
33 14 13 13-0988	EA		18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,208.16	177.22
33 14 13 13-0989	EA		18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,423.19	189.96
33 14 13 13-0990	EA		18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,286.14	208.49
33 14 13 13-0991	EA		20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,495.95	222.39
33 14 13 13-0992	EA		20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,513.14	229.35
33 14 13 13-0993	EA		20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,402.17	237.45
33 14 13 13-0994	EA		20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,413.53	250.19
33 14 13 13-0995	EA		20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,402.05	267.57
33 14 13 13-0996	EA		20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,640.26	297.68
33 14 13 13-0997	EA		24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,900.50	296.53
33 14 13 13-0998	EA		24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,936.50	309.27
33 14 13 13-0999	EA		24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,982.69	326.64
33 14 13 13-1000	EA		24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,986.00	356.76
33 14 13 13-1001	EA		24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,295.37	415.83
33 14 13 13-1002	EA		30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,302.17	368.34
33 14 13 13-1003	EA		30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,456.29	398.46
33 14 13 13-1004	EA		30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,400.96	458.69
33 14 13 13-1005	EA		30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,006.51	517.76
33 14 13 13-1006	EA		36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,359.93	491.12
33 14 13 13-1007	EA		36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,142.72	550.19
33 14 13 13-1008	EA		36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,427.63	593.05
33 14 13 13-1009	EA		42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,156.36	420.47
33 14 13 13-1010	EA		42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,151.25	450.59
33 14 13 13-1011	EA		42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,222.70	509.66
33 14 13 13-1012	EA		42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,504.14	568.73
33 14 13 13-1013	EA		42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,455.28	611.59

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1014	EA		42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,713.12	644.02
33 14 13 13-1015	EA		48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,681.83	449.43
33 14 13 13-1016	EA		48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,476.07	479.54
33 14 13 13-1017	EA		48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,180.41	538.62
33 14 13 13-1018	EA		48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,431.83	598.85
33 14 13 13-1019	EA		48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,832.42	640.55
33 14 13 13-1020	EA		48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,752.86	672.98
33 14 13 13-1021	EA		48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,480.13	691.51
33 14 13 13-1022			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps <small>(33 14 13 13-0596)</small>		
33 14 13 13-1023	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	233.86	100.02
33 14 13 13-1024	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	278.75	117.61
33 14 13 13-1025	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	383.28	146.71
33 14 13 13-1026	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	485.34	167.32
33 14 13 13-1027	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	677.50	254.82
33 14 13 13-1028	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	811.72	277.99
33 14 13 13-1029	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	912.73	305.80
33 14 13 13-1030	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,078.95	339.38
33 14 13 13-1031	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,248.44	382.24
33 14 13 13-1032	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,481.98	436.69
33 14 13 13-1033	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,850.64	509.66
33 14 13 13-1034	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,050.48	611.59
33 14 13 13-1035	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	4,766.71	764.48
33 14 13 13-1036	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	6,689.03	917.38
33 14 13 13-1037	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,893.05	1,019.31
33 14 13 13-1038			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug <small>(33 14 13 13-0596)</small>		
33 14 13 13-1039	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	234.46	100.02
33 14 13 13-1040	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	284.76	117.61
33 14 13 13-1041	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	398.91	146.71
33 14 13 13-1042	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	500.96	167.32
33 14 13 13-1043	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	767.02	254.82
33 14 13 13-1044	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	832.15	277.99
33 14 13 13-1045	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,043.10	305.80
33 14 13 13-1046	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,229.75	339.38
33 14 13 13-1047	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,441.30	382.24
33 14 13 13-1048	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,742.73	436.69
33 14 13 13-1049	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,221.93	509.66
33 14 13 13-1050	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	3,563.56	611.59
33 14 13 13-1051	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	5,085.74	764.48
33 14 13 13-1052	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	6,729.28	917.38
33 14 13 13-1053	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	8,746.79	1,019.31
33 14 13 13-1054			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 14 13 13-0596)</small>		
33 14 13 13-1055	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	334.29	152.04
33 14 13 13-1056	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	417.53	175.80
33 14 13 13-1057	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	552.71	220.66
33 14 13 13-1058	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	689.26	250.97
33 14 13 13-1059	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,028.55	382.24
33 14 13 13-1060	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,189.34	416.99
33 14 13 13-1061	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,470.01	458.69
33 14 13 13-1062	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,657.78	509.66
33 14 13 13-1063	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,081.14	573.36
33 14 13 13-1064	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,404.12	655.61
33 14 13 13-1065	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,882.01	764.48
33 14 13 13-1066	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,252.78	917.38
33 14 13 13-1067	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,685.32	1,146.73
33 14 13 13-1068	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	7,489.61	1,310.05

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-1069	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters		9,210.20	1,528.97
33 14 13 13-1070 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves <small>(33 14 13 13-0596)</small>					
33 14 13 13-1071	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves		341.50	152.04
33 14 13 13-1072	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves		408.52	175.80
33 14 13 13-1073	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves		562.93	220.66
33 14 13 13-1074	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves		716.90	250.97
33 14 13 13-1075	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves		990.10	382.24
33 14 13 13-1076	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves		1,153.29	416.99
33 14 13 13-1077	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves		1,393.11	458.69
33 14 13 13-1078	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves		1,616.92	509.66
33 14 13 13-1079	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves		1,896.10	573.36
33 14 13 13-1080	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves		2,195.64	655.61
33 14 13 13-1081	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves		2,690.95	764.48
33 14 13 13-1082	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves		4,153.65	917.38
33 14 13 13-1083	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves		5,354.28	1,146.73
33 14 13 13-1084	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves		6,789.20	1,308.89
33 14 13 13-1085	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves		9,675.82	1,528.97
33 14 13 13-1086 Push-On Joint Ductile Iron Piping <small>(33 14 13 13-0001)</small>					
33 14 13 13-1087 Push-On Joint Ductile Iron Pipe <small>(33 14 13 13-1086)</small>					
Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.					
33 14 13 13-1088	LF	4", Class 50, Push-On Joint Ductile Iron Pipe		27.80	10.01
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add		8.86	
		For Cement Mortar Lining (CML), Add		1.27	
		Note: ANSI/AWWA C104/A21.4			
		For 40 Mil Ceramic Epoxy Lining (P401), Add		6.83	
		For Fusion Bonded Epoxy Lining (206N), Add		2.28	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		0.95	
		Note: ANSI/AWWA C151/A21.51			
		For >1,000, Deduct		-1.39	
		For Class 51, Add		1.28	
		For Class 52, Add		2.85	
		For Class 53, Add		7.35	
		For Class 54, Add		10.45	
		For Class 55, Add		12.06	
		For Class 56, Add		13.64	
33 14 13 13-1089	LF	6", Class 50, Push-On Joint Ductile Iron Pipe		30.49	11.04
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add		9.72	
		For Cement Mortar Lining (CML), Add		1.39	
		Note: ANSI/AWWA C104/A21.4			
		For 40 Mil Ceramic Epoxy Lining (P401), Add		7.50	
		For Fusion Bonded Epoxy Lining (206N), Add		2.50	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		1.04	
		Note: ANSI/AWWA C151/A21.51			
		For >1,000, Deduct		-1.52	
		For Class 51, Add		1.41	
		For Class 52, Add		3.12	
		For Class 53, Add		8.06	
		For Class 54, Add		11.47	
		For Class 55, Add		13.23	
		For Class 56, Add		14.97	
33 14 13 13-1090	LF	8", Class 50, Push-On Joint Ductile Iron Pipe		37.15	12.13
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add		13.28	
		For Cement Mortar Lining (CML), Add		1.90	
		Note: ANSI/AWWA C104/A21.4			
		For 40 Mil Ceramic Epoxy Lining (P401), Add		10.24	
		For Fusion Bonded Epoxy Lining (206N), Add		3.41	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		1.42	
		Note: ANSI/AWWA C151/A21.51			
		For >1,000, Deduct		-1.86	
		For Class 51, Add		1.86	
		For Class 52, Add		4.16	
		For Class 53, Add		10.85	
		For Class 54, Add		15.45	
		For Class 55, Add		17.80	
		For Class 56, Add		20.12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1091 LF 10", Class 50, Push-On Joint Ductile Iron Pipe.....	52.83	17.25
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.06	
For Cement Mortar Lining (CML), Add	2.68	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	13.39	
For Fusion Bonded Epoxy Lining (206N), Add	4.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.01	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.64	
For Class 51, Add	2.64	
For Class 52, Add	5.87	
For Class 53, Add	15.32	
For Class 54, Add	21.82	
For Class 55, Add	25.15	
For Class 56, Add	28.42	
33 14 13 13-1092 LF 12", Class 50, Push-On Joint Ductile Iron Pipe.....	60.87	19.11
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	15.96	
For Cement Mortar Lining (CML), Add	3.19	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	12.76	
For Fusion Bonded Epoxy Lining (206N), Add	5.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.39	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.04	
For Class 51, Add	3.12	
For Class 52, Add	6.95	
For Class 53, Add	18.19	
For Class 54, Add	25.90	
For Class 55, Add	29.84	
For Class 56, Add	33.72	
33 14 13 13-1093 LF 14", Class 50, Push-On Joint Ductile Iron Pipe.....	73.23	21.55
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.90	
For Cement Mortar Lining (CML), Add	4.07	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	13.83	
For Fusion Bonded Epoxy Lining (206N), Add	7.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.05	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.66	
For Class 51, Add	3.92	
For Class 52, Add	8.75	
For Class 53, Add	23.02	
For Class 54, Add	32.80	
For Class 55, Add	37.77	
For Class 56, Add	42.65	
33 14 13 13-1094 LF 16", Class 50, Push-On Joint Ductile Iron Pipe.....	86.29	24.56
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.14	
For Cement Mortar Lining (CML), Add	4.91	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	15.22	
For Fusion Bonded Epoxy Lining (206N), Add	8.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.68	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.31	
For Class 51, Add	4.70	
For Class 52, Add	10.51	
For Class 53, Add	27.71	
For Class 54, Add	39.50	
For Class 55, Add	45.47	
For Class 56, Add	51.33	
33 14 13 13-1095 LF 18", Class 50, Push-On Joint Ductile Iron Pipe.....	100.47	28.73
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.39	
For Cement Mortar Lining (CML), Add	5.70	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	17.68	
For Fusion Bonded Epoxy Lining (206N), Add	10.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.28	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.02	
For Class 51, Add	5.47	
For Class 52, Add	12.21	
For Class 53, Add	32.20	
For Class 54, Add	45.89	
For Class 55, Add	52.82	
For Class 56, Add	59.64	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 14 13 13-1096	LF 20", Class 50, Push-On Joint Ductile Iron Pipe..... For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For 40 Mil Ceramic Epoxy Lining (P401), Add For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For >1,000, Deduct For Class 51, Add For Class 52, Add For Class 53, Add For Class 54, Add For Class 55, Add For Class 56, Add	116.65 24.52 6.45 18.07 11.61 4.84 -5.83 6.22 13.89 36.53 52.05 59.94 67.69	34.40
33 14 13 13-1097	LF 24", Class 50, Push-On Joint Ductile Iron Pipe..... For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For 40 Mil Ceramic Epoxy Lining (P401), Add For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For >1,000, Deduct For Class 51, Add For Class 52, Add For Class 53, Add For Class 54, Add For Class 55, Add For Class 56, Add	147.31 25.45 8.21 17.24 14.78 6.16 -7.37 7.90 17.65 46.44 66.17 76.19 86.04	42.98
33 14 13 13-1098	Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-1086)		
33 14 13 13-1099	EA 4" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	167.98 10.88 19.59 8.16	39.04
33 14 13 13-1100	EA 6" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	244.16 15.69 28.23 11.76	57.59
33 14 13 13-1101	EA 8" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	321.25 21.76 39.17 16.32	68.38
33 14 13 13-1102	EA 10" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	486.57 32.89 59.21 24.67	76.22
33 14 13 13-1103	EA 12" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	620.00 43.52 78.34 32.64	89.42
33 14 13 13-1104	EA 14" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,161.84 95.45 171.80 71.58	100.31
33 14 13 13-1105	EA 16" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,314.45 107.75 193.95 80.81	114.67
33 14 13 13-1106	EA 18" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,032.12 170.04 306.08 127.53	160.54

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

33 14 13 13-1107	EA		20" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,298.77 189.41 340.94 142.06	202.36
33 14 13 13-1108	EA		24" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,870.58 236.48 425.66 177.36	252.97

33 14 13 13-1109 Push-On Joint Ductile Iron 45 Degree Elbow (33 14 13 13-1086)

33 14 13 13-1110	EA		4" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	143.23 8.41 15.13 6.31	39.04
33 14 13 13-1111	EA		6" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	210.89 12.36 22.25 9.27	57.59
33 14 13 13-1112	EA		8" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	285.45 18.18 32.72 13.63	68.38
33 14 13 13-1113	EA		10" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	437.15 27.95 50.31 20.96	76.22
33 14 13 13-1114	EA		12" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	557.02 37.22 67.00 27.92	89.42
33 14 13 13-1115	EA		14" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	768.58 56.12 101.01 42.09	100.31
33 14 13 13-1116	EA		16" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,108.53 87.16 156.89 65.37	114.67
33 14 13 13-1117	EA		18" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,299.57 96.79 174.22 72.59	160.54
33 14 13 13-1118	EA		20" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,797.23 139.26 250.66 104.44	202.36
33 14 13 13-1119	EA		24" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,231.79 172.60 310.67 129.45	252.97

33 14 13 13-1120 Push-On Joint Ductile Iron Tee (33 14 13 13-1086)

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-1121	EA	4" Tee, Push-On Joint Ductile Iron.....	255.56	57.59
		For Cement Mortar Lining (CML), Add	16.83	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	30.29	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.62	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1122	EA	6" Tee, Push-On Joint Ductile Iron.....	358.51	84.62
		For Cement Mortar Lining (CML), Add	23.02	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	41.44	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.27	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1123	EA	8" Tee, Push-On Joint Ductile Iron.....	481.96	102.57
		For Cement Mortar Lining (CML), Add	32.64	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	58.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.48	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1124	EA	10" Tee, Push-On Joint Ductile Iron.....	687.37	115.83
		For Cement Mortar Lining (CML), Add	51.36	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	92.45	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.52	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1125	EA	12" Tee, Push-On Joint Ductile Iron.....	850.43	133.55
		For Cement Mortar Lining (CML), Add	64.77	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	116.59	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.58	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1126	EA	14" Tee, Push-On Joint Ductile Iron.....	1,335.84	160.54
		For Cement Mortar Lining (CML), Add	109.26	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	196.67	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.94	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1127	EA	16" Tee, Push-On Joint Ductile Iron.....	1,911.54	200.74
		For Cement Mortar Lining (CML), Add	160.75	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	289.35	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	120.56	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1128	EA	18" Tee, Push-On Joint Ductile Iron.....	2,412.20	267.80
		For Cement Mortar Lining (CML), Add	200.64	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	361.16	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	150.48	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1129	EA	20" Tee, Push-On Joint Ductile Iron.....	2,849.44	326.76
		For Cement Mortar Lining (CML), Add	235.44	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	423.79	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	176.58	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1130	EA	24" Tee, Push-On Joint Ductile Iron.....	3,720.03	408.42
		For Cement Mortar Lining (CML), Add	310.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	558.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	232.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1131		Flanged End x Push-On Joint Ductile Iron Adapters (33 14 13 13-1086)		
33 14 13 13-1132	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron.....	282.11	135.42
		For Cement Mortar Lining (CML), Add	7.69	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	13.85	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.77	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1133	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron.....	347.28	167.67
		For Cement Mortar Lining (CML), Add	9.33	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	16.79	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.99	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1134	EA		8" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	430.41 13.40 24.13 10.05	195.56
33 14 13 13-1135	EA		10" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	609.21 17.48 31.47 13.11	286.68
33 14 13 13-1136	EA		12" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	717.88 22.15 39.86 16.61	327.69
33 14 13 13-1137	EA		14" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	802.69 26.81 48.26 20.11	352.82
33 14 13 13-1138	EA		16" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	917.17 33.80 60.84 25.35	382.24
33 14 13 13-1139	EA		18" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,091.28 39.63 71.33 29.72	458.69
33 14 13 13-1140	EA		20" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,244.27 47.21 84.97 35.41	509.66
33 14 13 13-1141	EA		24" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,508.77 61.78 111.20 46.33	588.07
33 14 13 13-1142	EA		30" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,177.93 110.87 199.57 83.15	705.64
33 14 13 13-1143	EA		36" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,918.46 158.20 284.75 118.65	882.06
33 14 13 13-1144	EA		42" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,592.84 204.84 368.72 153.63	1,019.31
33 14 13 13-1145	EA		48" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,595.22 260.96 469.72 195.72	1,310.51
33 14 13 13-1146	EA		54" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,519.84 320.26 576.47 240.20	1,529.31

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1147			Push-On Joint Ductile Iron Pipe And Fitting Restraints <small>(33 14 13 13-1086)</small>		
			Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-1148	EA		4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	38.70	14.67
33 14 13 13-1149	EA		6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	42.28	14.67
33 14 13 13-1150	EA		8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	57.17	20.85
33 14 13 13-1151	EA		10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	67.77	22.93
33 14 13 13-1152	EA		12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	79.80	25.49
33 14 13 13-1153	EA		14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	99.15	28.61
33 14 13 13-1154	EA		16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	116.50	32.78
33 14 13 13-1155	EA		18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	134.81	38.23
33 14 13 13-1156	EA		20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	157.87	45.87
33 14 13 13-1157	EA		24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	183.13	45.87
33 14 13 13-1158	EA		30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	240.76	57.33
33 14 13 13-1159	EA		36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	299.41	57.33
33 14 13 13-1160	EA		42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	386.35	76.45
33 14 13 13-1161	EA		48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	438.47	76.45
33 14 13 13-1162	EA		54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	582.70	76.45
33 14 13 13-1163			Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) <small>(33 14 13 13-1086)</small>		
33 14 13 13-1164	EA		4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	197.49	78.19
33 14 13 13-1165	EA		6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	254.42	95.44
33 14 13 13-1166	EA		8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	322.80	116.41
33 14 13 13-1167	EA		10" Bell Restraint Harness, Ductile Iron (MEGALUG® 171000)	462.19	142.01
33 14 13 13-1168	EA		12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	571.23	173.16
33 14 13 13-1169	EA		14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	921.02	211.27
33 14 13 13-1170	EA		16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,063.66	257.84
33 14 13 13-1171	EA		18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,223.69	314.48
33 14 13 13-1172	EA		20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	1,630.96	383.75
33 14 13 13-1173	EA		24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	2,064.91	468.08
33 14 13 13-1174	EA		30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	3,390.32	571.17
33 14 13 13-1175	EA		36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	4,727.29	696.72
33 14 13 13-1176	EA		42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	8,282.44	850.08
33 14 13 13-1177	EA		48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	10,669.04	1,037.04
33 14 13 13-1178			Ductile Iron Pipe Repair <small>(33 14 13 13-0001)</small>		
			See CSI section 33 14 13 13-0002 for mechanical joint fittings.		
33 14 13 13-1179			WEKO Seals <small>(33 14 13 13-1178)</small>		
			Note: Internal joint seal.		
33 14 13 13-1180	EA		16" WEKO Internal Joint Seal	1,357.76	201.57
			<i>For Extra Wide Seals, Add</i>	85.27	
33 14 13 13-1181	EA		18" WEKO Internal Joint Seal	1,445.58	212.84
			<i>For Extra Wide Seals, Add</i>	86.13	
33 14 13 13-1182	EA		20" WEKO Internal Joint Seal	1,533.23	224.12
			<i>For Extra Wide Seals, Add</i>	86.98	
33 14 13 13-1183	EA		24" WEKO Internal Joint Seal	1,626.71	242.05
			<i>For Extra Wide Seals, Add</i>	88.34	
33 14 13 13-1184	EA		30" WEKO Internal Joint Seal	1,684.35	259.97
			<i>For Extra Wide Seals, Add</i>	89.70	
33 14 13 13-1185	EA		36" WEKO Internal Joint Seal	1,772.05	282.39
			<i>For Extra Wide Seals, Add</i>	91.39	
33 14 13 13-1186	EA		42" WEKO Internal Joint Seal	1,893.46	309.28
			<i>For Extra Wide Seals, Add</i>	93.43	
33 14 13 13-1187	EA		48" WEKO Internal Joint Seal	2,043.91	331.70
			<i>For Extra Wide Seals, Add</i>	95.13	
33 14 13 13-1188	EA		54" WEKO Internal Joint Seal	2,123.07	349.62
			<i>For Extra Wide Seals, Add</i>	96.49	
33 14 13 23			Plastic Public Water Utility Distribution Piping <small>(33 14 13)</small>		
33 14 13 23-0001			AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23)</small>		
			Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0002			AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>		
33 14 13 23-0003	LF		4" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	10.07	3.99
33 14 13 23-0004	LF		6" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	13.95	4.83
33 14 13 23-0005	LF		8" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	18.26	5.44
33 14 13 23-0006	LF		10" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	23.22	6.04
33 14 13 23-0007	LF		12" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	29.26	6.76
33 14 13 23-0008			AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>		
33 14 13 23-0009	LF		4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	10.83	3.99
33 14 13 23-0010	LF		6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	15.51	4.83
33 14 13 23-0011	LF		8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	20.89	5.44
33 14 13 23-0012	LF		10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	27.32	6.04
33 14 13 23-0013	LF		12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	34.98	6.76
33 14 13 23-0014			AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0015	LF			4" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	11.57	3.99
33 14 13 23-0016	LF			6" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	17.06	4.83
33 14 13 23-0017	LF			8" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	23.53	5.44
33 14 13 23-0018	LF			10" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	31.32	6.04
33 14 13 23-0019	LF			12" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	40.69	6.76
33 14 13 23-0020				AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>		
33 14 13 23-0021	LF			18" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	37.88	10.15
33 14 13 23-0022	LF			20" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	45.83	12.07
33 14 13 23-0023	LF			24" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	59.59	14.49
33 14 13 23-0024	LF			30" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	81.66	16.91
33 14 13 23-0025	LF			36" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	108.29	19.32
33 14 13 23-0026	LF			42" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	132.87	20.52
33 14 13 23-0027	LF			48" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	163.90	22.09
33 14 13 23-0028				AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>		
33 14 13 23-0029	LF			14" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	28.02	7.61
33 14 13 23-0030	LF			16" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	34.02	8.45
33 14 13 23-0031	LF			18" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	41.84	10.15
33 14 13 23-0032	LF			20" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	50.97	12.07
33 14 13 23-0033	LF			24" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	67.53	14.49
33 14 13 23-0034	LF			30" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	93.04	16.91
33 14 13 23-0035	LF			36" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	123.53	19.32
33 14 13 23-0036	LF			42" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	158.20	20.52
33 14 13 23-0037	LF			48" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	196.77	22.09
33 14 13 23-0038				AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>		
33 14 13 23-0039	LF			14" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	31.07	7.61
33 14 13 23-0040	LF			16" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	38.25	8.45
33 14 13 23-0041	LF			18" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	47.09	10.15
33 14 13 23-0042	LF			20" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	57.79	12.07
33 14 13 23-0043	LF			24" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	77.31	14.49
33 14 13 23-0044	LF			30" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	107.74	16.91
33 14 13 23-0045	LF			36" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	145.00	19.32
33 14 13 23-0046	LF			42" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	183.63	20.52
33 14 13 23-0047	LF			48" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	229.96	22.09
33 14 13 23-0048				AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>		
33 14 13 23-0049	LF			14" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	36.27	7.61
33 14 13 23-0050	LF			16" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	44.44	8.45
33 14 13 23-0051	LF			18" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	55.06	10.15
33 14 13 23-0052	LF			20" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	67.41	12.07
33 14 13 23-0053	LF			24" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	91.19	14.49
33 14 13 23-0054	LF			30" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	129.51	16.91
33 14 13 23-0055	LF			36" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	178.47	19.32
33 14 13 23-0056	LF			42" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	232.72	20.52
33 14 13 23-0057	LF			48" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	295.83	22.09
33 14 13 23-0058				AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>		
33 14 13 23-0059	LF			14" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	40.19	7.61
33 14 13 23-0060	LF			16" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	49.53	8.45
33 14 13 23-0061	LF			18" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	61.48	10.15
33 14 13 23-0062	LF			20" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	75.41	12.07
33 14 13 23-0063	LF			24" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	102.70	14.49
33 14 13 23-0064	LF			30" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	147.22	16.91
33 14 13 23-0065	LF			36" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	204.34	19.32
33 14 13 23-0066	LF			42" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	268.18	20.52
33 14 13 23-0067				AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>		
33 14 13 23-0068	LF			14" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	44.00	7.61
33 14 13 23-0069	LF			16" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	54.49	8.45
33 14 13 23-0070	LF			18" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	67.73	10.15
33 14 13 23-0071	LF			20" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	83.20	12.07
33 14 13 23-0072	LF			24" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	113.89	14.49
33 14 13 23-0073	LF			30" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	164.44	16.91
33 14 13 23-0074	LF			36" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	229.50	19.32
33 14 13 23-0075				AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) Fittings <small>(33 14 13 23)</small>		
				Note: Includes rubber gaskets.		
33 14 13 23-0076				90 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0077	EA			4" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	153.41	13.67
				For DR 25, Deduct	-7.56	
33 14 13 23-0078	EA			6" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	305.95	15.39
				For DR 25, Deduct	-16.51	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0079	EA	8"	90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	455.67	17.09
			<i>For DR 25, Deduct</i>	-25.29	
33 14 13 23-0080	EA	10"	90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	695.75	26.76
			<i>For DR 25, Deduct</i>	-38.53	
33 14 13 23-0081	EA	12"	90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	789.77	44.59
			<i>For DR 25, Deduct</i>	-42.04	
33 14 13 23-0082	EA	14"	90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,361.89	55.74
			<i>For DR 25, Deduct</i>	-75.03	
33 14 13 23-0083	EA	16"	90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,625.50	66.89
			<i>For DR 25, Deduct</i>	-89.50	
33 14 13 23-0084	EA	18"	90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,773.31	89.18
			<i>For DR 25, Deduct</i>	-155.70	
33 14 13 23-0085	EA	20"	90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,415.10	111.48
			<i>For DR 25, Deduct</i>	-191.53	
33 14 13 23-0086	EA	24"	90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,647.43	150.51
			<i>For DR 25, Deduct</i>	-320.79	
33 14 13 23-0087			45 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0088	EA	4"	45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	136.95	13.67
			<i>For DR 25, Deduct</i>	-6.58	
33 14 13 23-0089	EA	6"	45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	231.30	15.39
			<i>For DR 25, Deduct</i>	-12.03	
33 14 13 23-0090	EA	8"	45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	291.55	17.09
			<i>For DR 25, Deduct</i>	-15.44	
33 14 13 23-0091	EA	10"	45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	413.50	26.76
			<i>For DR 25, Deduct</i>	-21.60	
33 14 13 23-0092	EA	12"	45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	558.35	44.59
			<i>For DR 25, Deduct</i>	-28.15	
33 14 13 23-0093	EA	14"	45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,054.69	55.74
			<i>For DR 25, Deduct</i>	-56.59	
33 14 13 23-0094	EA	16"	45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,334.46	66.89
			<i>For DR 25, Deduct</i>	-72.04	
33 14 13 23-0095	EA	18"	45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,286.70	89.18
			<i>For DR 25, Deduct</i>	-126.50	
33 14 13 23-0096	EA	20"	45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,840.63	111.48
			<i>For DR 25, Deduct</i>	-157.06	
33 14 13 23-0097	EA	24"	45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,004.42	150.51
			<i>For DR 25, Deduct</i>	-222.21	
33 14 13 23-0098			22-1/2 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0099	EA	4"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	134.95	13.67
			<i>For DR 25, Deduct</i>	-6.46	
33 14 13 23-0100	EA	6"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	231.30	15.39
			<i>For DR 25, Deduct</i>	-12.03	
33 14 13 23-0101	EA	8"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	291.56	17.09
			<i>For DR 25, Deduct</i>	-15.44	
33 14 13 23-0102	EA	10"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	413.51	26.76
			<i>For DR 25, Deduct</i>	-21.60	
33 14 13 23-0103	EA	12"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	558.35	44.59
			<i>For DR 25, Deduct</i>	-28.15	
33 14 13 23-0104	EA	14"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,050.21	53.51
			<i>For DR 25, Deduct</i>	-56.59	
33 14 13 23-0105	EA	16"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,334.43	66.89
			<i>For DR 25, Deduct</i>	-72.04	
33 14 13 23-0106	EA	18"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,286.70	89.18
			<i>For DR 25, Deduct</i>	-126.50	
33 14 13 23-0107	EA	20"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,840.63	111.48
			<i>For DR 25, Deduct</i>	-157.06	
33 14 13 23-0108	EA	24"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,004.42	150.51
			<i>For DR 25, Deduct</i>	-222.21	
33 14 13 23-0109			11-1/4 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0110	EA	4"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	120.21	13.67
			<i>For DR 25, Deduct</i>	-5.57	
33 14 13 23-0111	EA	6"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	231.30	15.39
			<i>For DR 25, Deduct</i>	-12.03	
33 14 13 23-0112	EA	8"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	291.56	17.09
			<i>For DR 25, Deduct</i>	-15.44	
33 14 13 23-0113	EA	10"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	413.51	26.76
			<i>For DR 25, Deduct</i>	-21.60	
33 14 13 23-0114	EA	12"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	558.35	44.59
			<i>For DR 25, Deduct</i>	-28.15	
33 14 13 23-0115	EA	14"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,050.21	53.51
			<i>For DR 25, Deduct</i>	-56.59	
33 14 13 23-0116	EA	16"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,334.43	66.89
			<i>For DR 25, Deduct</i>	-72.04	
33 14 13 23-0117	EA	18"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,286.70	89.18
			<i>For DR 25, Deduct</i>	-126.50	
33 14 13 23-0118	EA	20"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,840.63	111.48
			<i>For DR 25, Deduct</i>	-157.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0119	EA	24"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,004.42 -222.21	150.51
33 14 13 23-0120			Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0121	EA	4"	Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	181.77 -9.06	15.39
33 14 13 23-0122	EA	6"	Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	342.88 -18.52	17.09
33 14 13 23-0123	EA	8"	Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	475.57 -26.21	19.38
33 14 13 23-0124	EA	10"	Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	975.68 -54.53	33.44
33 14 13 23-0125	EA	12"	Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,207.20 -64.41	66.89
33 14 13 23-0126	EA	14"	Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,156.94 -119.39	83.61
33 14 13 23-0127	EA	16"	Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,669.59 -148.13	100.33
33 14 13 23-0128	EA	18"	Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,372.87 -186.32	133.78
33 14 13 23-0129	EA	20"	Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,054.52 -223.20	167.23
33 14 13 23-0130	EA	24"	Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,490.08 -315.76	113.71
33 14 13 23-0131			Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0132	EA	6" x 4"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	344.78 -18.02	22.22
33 14 13 23-0133	EA	8" x 4"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	464.90 -25.02	23.94
33 14 13 23-0134	EA	8" x 6"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	476.71 -25.63	24.78
33 14 13 23-0135	EA	10" x 4"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,604.27 -272.24	33.44
33 14 13 23-0136	EA	10" x 6"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	831.10 -45.75	34.29
33 14 13 23-0137	EA	10" x 8"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	888.12 -49.07	35.12
33 14 13 23-0138	EA	12" x 4"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	950.38 -50.87	51.28
33 14 13 23-0139	EA	12" x 6"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,086.72 -58.95	52.12
33 14 13 23-0140	EA	12" x 8"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,151.41 -62.73	52.95
33 14 13 23-0141	EA	12" x 10"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,175.63 -63.58	57.97
33 14 13 23-0142	EA	14" x 4"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,767.95 -98.85	60.20
33 14 13 23-0143	EA	14" x 6"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,838.07 -102.96	61.03
33 14 13 23-0144	EA	14" x 8"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,908.36 -107.08	61.87
33 14 13 23-0145	EA	14" x 10"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,986.61 -111.17	66.89
33 14 13 23-0146	EA	14" x 12"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,072.94 -115.28	75.81
33 14 13 23-0147	EA	16" x 4"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,205.37 -123.49	73.58
33 14 13 23-0148	EA	16" x 6"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,273.80 -127.60	73.58
33 14 13 23-0149	EA	16" x 8"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,343.92 -131.71	74.42
33 14 13 23-0150	EA	16" x 10"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,414.05 -135.81	75.25
33 14 13 23-0151	EA	16" x 12"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,510.35 -139.92	89.18
33 14 13 23-0152	EA	16" x 14"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,587.70 -144.02	93.64
33 14 13 23-0153	EA	18" x 4"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,728.57 -152.21	95.88
33 14 13 23-0154	EA	18" x 6"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,799.17 -156.35	96.71
33 14 13 23-0155	EA	18" x 8"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,869.30 -160.45	97.54
33 14 13 23-0156	EA	18" x 10"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,947.77 -164.56	102.57
33 14 13 23-0157	EA	18" x 12"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,034.03 -168.66	111.48
33 14 13 23-0158	EA	18" x 14"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,110.92 -172.74	115.94
33 14 13 23-0159	EA	18" x 16"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,209.28 -177.84	122.64
33 14 13 23-0160	EA	20" x 4"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,458.53 -193.33	118.18

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0161	EA		20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,577.08	119.01
			<i>For DR 25, Deduct</i>	-200.34	
33 14 13 23-0162	EA		20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,624.06	119.84
			<i>For DR 25, Deduct</i>	-203.06	
33 14 13 23-0163	EA		20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,679.45	124.86
			<i>For DR 25, Deduct</i>	-205.78	
33 14 13 23-0164	EA		20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,742.62	133.78
			<i>For DR 25, Deduct</i>	-208.50	
33 14 13 23-0165	EA		20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,825.02	138.24
			<i>For DR 25, Deduct</i>	-212.91	
33 14 13 23-0166	EA		20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,911.89	144.93
			<i>For DR 25, Deduct</i>	-217.32	
33 14 13 23-0167	EA		20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,983.20	156.08
			<i>For DR 25, Deduct</i>	-220.26	
33 14 13 23-0168	EA		24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,083.47	157.19
			<i>For DR 25, Deduct</i>	-226.14	
33 14 13 23-0169	EA		24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,134.18	158.02
			<i>For DR 25, Deduct</i>	-229.09	
33 14 13 23-0170	EA		24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,184.86	158.87
			<i>For DR 25, Deduct</i>	-232.03	
33 14 13 23-0171	EA		24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,394.25	163.88
			<i>For DR 25, Deduct</i>	-243.99	
33 14 13 23-0172	EA		24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,611.42	172.80
			<i>For DR 25, Deduct</i>	-255.95	
33 14 13 23-0173	EA		24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,819.72	177.26
			<i>For DR 25, Deduct</i>	-267.91	
33 14 13 23-0174	EA		24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,032.46	183.95
			<i>For DR 25, Deduct</i>	-279.87	
33 14 13 23-0175	EA		24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,254.12	195.10
			<i>For DR 25, Deduct</i>	-291.84	
33 14 13 23-0176	EA		24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,475.77	206.25
			<i>For DR 25, Deduct</i>	-303.80	
33 14 13 23-0177			Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0178	EA		4" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	256.05	27.35
			<i>For DR 25, Deduct</i>	-12.08	
33 14 13 23-0179	EA		6" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	447.94	30.77
			<i>For DR 25, Deduct</i>	-23.18	
33 14 13 23-0180	EA		8" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	614.68	34.19
			<i>For DR 25, Deduct</i>	-32.78	
33 14 13 23-0181	EA		10" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,242.54	53.51
			<i>For DR 25, Deduct</i>	-68.13	
33 14 13 23-0182	EA		12" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,475.86	66.89
			<i>For DR 25, Deduct</i>	-80.52	
33 14 13 23-0183	EA		14" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,665.67	89.18
			<i>For DR 25, Deduct</i>	-149.24	
33 14 13 23-0184	EA		16" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,308.53	111.48
			<i>For DR 25, Deduct</i>	-185.14	
33 14 13 23-0185	EA		18" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,238.96	178.38
			<i>For DR 25, Deduct</i>	-232.93	
33 14 13 23-0186	EA		20" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,096.09	222.97
			<i>For DR 25, Deduct</i>	-279.01	
33 14 13 23-0187	EA		24" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	7,179.92	301.00
			<i>For DR 25, Deduct</i>	-394.67	
33 14 13 23-0188			Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0189	EA		6" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	433.85	29.06
			<i>For DR 25, Deduct</i>	-22.54	
33 14 13 23-0190	EA		8" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	583.49	30.77
			<i>For DR 25, Deduct</i>	-31.32	
33 14 13 23-0191	EA		8" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	599.00	32.47
			<i>For DR 25, Deduct</i>	-32.04	
33 14 13 23-0192	EA		10" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	891.95	40.13
			<i>For DR 25, Deduct</i>	-48.70	
33 14 13 23-0193	EA		10" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,036.91	41.80
			<i>For DR 25, Deduct</i>	-57.20	
33 14 13 23-0194	EA		10" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,137.56	43.48
			<i>For DR 25, Deduct</i>	-63.04	
33 14 13 23-0195	EA		12" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,176.06	57.97
			<i>For DR 25, Deduct</i>	-63.61	
33 14 13 23-0196	EA		12" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,347.33	59.64
			<i>For DR 25, Deduct</i>	-73.68	
33 14 13 23-0197	EA		12" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,429.49	61.31
			<i>For DR 25, Deduct</i>	-78.41	
33 14 13 23-0198	EA		12" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,467.20	71.35
			<i>For DR 25, Deduct</i>	-79.47	
33 14 13 23-0199	EA		14" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,193.21	66.89
			<i>For DR 25, Deduct</i>	-123.57	
33 14 13 23-0200	EA		14" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,281.85	68.56
			<i>For DR 25, Deduct</i>	-128.68	
33 14 13 23-0201	EA		14" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,371.44	70.24
			<i>For DR 25, Deduct</i>	-133.86	
33 14 13 23-0202	EA		14" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,477.38	80.27
			<i>For DR 25, Deduct</i>	-139.01	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0203	EA	14"	x 12"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,598.29	98.11
				<i>For DR 25, Deduct</i>	-144.12	
33 14 13 23-0204	EA	16"	x 4"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,732.88	80.27
				<i>For DR 25, Deduct</i>	-154.34	
33 14 13 23-0205	EA	16"	x 6"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,822.69	81.94
				<i>For DR 25, Deduct</i>	-159.53	
33 14 13 23-0206	EA	16"	x 8"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,911.54	83.61
				<i>For DR 25, Deduct</i>	-164.66	
33 14 13 23-0207	EA	16"	x 10"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,017.41	93.64
				<i>For DR 25, Deduct</i>	-169.81	
33 14 13 23-0208	EA	16"	x 12"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,077.39	111.48
				<i>For DR 25, Deduct</i>	-171.27	
33 14 13 23-0209	EA	16"	x 14"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,241.58	120.40
				<i>For DR 25, Deduct</i>	-180.05	
33 14 13 23-0210	EA	18"	x 4"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,376.59	102.57
				<i>For DR 25, Deduct</i>	-190.29	
33 14 13 23-0211	EA	18"	x 6"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,466.18	104.24
				<i>For DR 25, Deduct</i>	-195.46	
33 14 13 23-0212	EA	18"	x 8"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,555.16	105.90
				<i>For DR 25, Deduct</i>	-200.60	
33 14 13 23-0213	EA	18"	x 10"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,659.76	115.94
				<i>For DR 25, Deduct</i>	-205.67	
33 14 13 23-0214	EA	18"	x 12"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,781.68	133.78
				<i>For DR 25, Deduct</i>	-210.85	
33 14 13 23-0215	EA	18"	x 14"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,884.75	142.70
				<i>For DR 25, Deduct</i>	-215.96	
33 14 13 23-0216	EA	18"	x 16"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,017.58	156.08
				<i>For DR 25, Deduct</i>	-222.33	
33 14 13 23-0217	EA	20"	x 4"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,277.86	124.86
				<i>For DR 25, Deduct</i>	-241.69	
33 14 13 23-0218	EA	20"	x 6"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,427.04	126.54
				<i>For DR 25, Deduct</i>	-250.44	
33 14 13 23-0219	EA	20"	x 8"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,487.45	128.21
				<i>For DR 25, Deduct</i>	-253.86	
33 14 13 23-0220	EA	20"	x 10"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,563.97	138.24
				<i>For DR 25, Deduct</i>	-257.25	
33 14 13 23-0221	EA	20"	x 12"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,656.10	156.08
				<i>For DR 25, Deduct</i>	-260.64	
33 14 13 23-0222	EA	20"	x 14"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,765.16	164.99
				<i>For DR 25, Deduct</i>	-266.11	
33 14 13 23-0223	EA	20"	x 16"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,884.96	178.38
				<i>For DR 25, Deduct</i>	-271.69	
33 14 13 23-0224	EA	20"	x 18"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,990.65	200.67
				<i>For DR 25, Deduct</i>	-275.36	
33 14 13 23-0225	EA	24"	x 4"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,011.90	163.88
				<i>For DR 25, Deduct</i>	-281.05	
33 14 13 23-0226	EA	24"	x 6"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,104.05	165.55
				<i>For DR 25, Deduct</i>	-286.38	
33 14 13 23-0227	EA	24"	x 8"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,168.92	167.23
				<i>For DR 25, Deduct</i>	-290.07	
33 14 13 23-0228	EA	24"	x 10"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,437.90	177.26
				<i>For DR 25, Deduct</i>	-305.00	
33 14 13 23-0229	EA	24"	x 12"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,722.58	195.10
				<i>For DR 25, Deduct</i>	-319.94	
33 14 13 23-0230	EA	24"	x 14"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,989.35	204.01
				<i>For DR 25, Deduct</i>	-334.88	
33 14 13 23-0231	EA	24"	x 16"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	6,266.13	217.39
				<i>For DR 25, Deduct</i>	-349.88	
33 14 13 23-0232	EA	24"	x 18"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	6,559.14	239.69
				<i>For DR 25, Deduct</i>	-364.79	
33 14 13 23-0233	EA	24"	x 20"	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	6,853.21	261.98
				<i>For DR 25, Deduct</i>	-379.75	
33 14 13 23-0234				Couplings, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0235	EA	4"		Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	95.24	13.67
				<i>For DR 25, Deduct</i>	-4.07	
33 14 13 23-0236	EA	6"		Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	170.90	15.39
				<i>For DR 25, Deduct</i>	-8.41	
33 14 13 23-0237	EA	8"		Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	204.78	17.09
				<i>For DR 25, Deduct</i>	-10.24	
33 14 13 23-0238	EA	10"		Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	292.15	26.76
				<i>For DR 25, Deduct</i>	-14.32	
33 14 13 23-0239	EA	12"		Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	458.99	33.44
				<i>For DR 25, Deduct</i>	-23.52	
33 14 13 23-0240	EA	14"		Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	787.89	44.59
				<i>For DR 25, Deduct</i>	-41.92	
33 14 13 23-0241	EA	16"		Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	935.18	55.74
				<i>For DR 25, Deduct</i>	-49.42	
33 14 13 23-0242	EA	18"		Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,210.98	89.18
				<i>For DR 25, Deduct</i>	-121.96	
33 14 13 23-0243	EA	20"		Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,485.88	111.48
				<i>For DR 25, Deduct</i>	-135.77	
33 14 13 23-0244	EA	24"		Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,496.10	150.51
				<i>For DR 25, Deduct</i>	-191.71	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 14 13 23-0245	Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0246	EA 4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	115.92	13.67
	<i>For DR 25, Deduct</i>	-5.31	
33 14 13 23-0247	EA 6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	155.39	15.39
	<i>For DR 25, Deduct</i>	-7.48	
33 14 13 23-0248	EA 8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	222.45	17.09
	<i>For DR 25, Deduct</i>	-11.30	
33 14 13 23-0249	EA 10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	305.92	26.76
	<i>For DR 25, Deduct</i>	-15.14	
33 14 13 23-0250	EA 12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	491.32	44.59
	<i>For DR 25, Deduct</i>	-24.13	
33 14 13 23-0251	EA 14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,263.42	53.51
	<i>For DR 25, Deduct</i>	-69.38	
33 14 13 23-0252	EA 16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,706.74	66.89
	<i>For DR 25, Deduct</i>	-94.38	
33 14 13 23-0253	EA 18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,107.21	89.18
	<i>For DR 25, Deduct</i>	-115.73	
33 14 13 23-0254	EA 20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,520.63	111.48
	<i>For DR 25, Deduct</i>	-137.86	
33 14 13 23-0255	EA 24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,423.60	150.51
	<i>For DR 25, Deduct</i>	-187.36	
33 14 13 23-0256	Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping (33 14 13 23)		
33 14 13 23-0257	Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe (33 14 13 23-0256)		
33 14 13 23-0258	LF 3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.52	0.91
	<i>For >1,000, Deduct</i>	-0.13	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.04	
33 14 13 23-0259	LF 1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.76	0.98
	<i>For >1,000, Deduct</i>	-0.14	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.05	
33 14 13 23-0260	LF 1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	3.18	1.07
	<i>For >1,000, Deduct</i>	-0.16	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.08	
33 14 13 23-0261	LF 1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	3.64	1.19
	<i>For >1,000, Deduct</i>	-0.18	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.10	
33 14 13 23-0262	LF 2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.57	1.32
	<i>For >1,000, Deduct</i>	-0.23	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.19	
33 14 13 23-0263	LF 2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	5.76	1.50
	<i>For >1,000, Deduct</i>	-0.29	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.30	
33 14 13 23-0264	LF 3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	7.01	1.72
	<i>For >1,000, Deduct</i>	-0.35	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.41	
33 14 13 23-0265	LF 4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	9.74	2.11
	<i>For >1,000, Deduct</i>	-0.49	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.67	
33 14 13 23-0266	LF 6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	16.42	2.69
	<i>For >1,000, Deduct</i>	-0.82	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.46	
33 14 13 23-0267	LF 8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	25.36	3.56
	<i>For >1,000, Deduct</i>	-1.27	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	2.47	
33 14 13 23-0268	LF 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	37.49	4.77
	<i>For >1,000, Deduct</i>	-1.87	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	3.83	
33 14 13 23-0269	LF 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	52.07	6.42
	<i>For >1,000, Deduct</i>	-2.60	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	5.40	
33 14 13 23-0270	90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
33 14 13 23-0271	EA 3/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	27.62	10.94
33 14 13 23-0272	EA 1" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	34.84	13.67
33 14 13 23-0273	EA 1-1/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	43.80	17.09
33 14 13 23-0274	EA 1-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	61.47	18.91
33 14 13 23-0275	EA 2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	66.94	21.19
33 14 13 23-0276	EA 2-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	78.60	24.05
33 14 13 23-0277	EA 3" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	89.52	27.54
33 14 13 23-0278	EA 4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	121.29	33.83
33 14 13 23-0279	EA 6" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	170.75	42.97
33 14 13 23-0280	EA 8" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	267.47	56.41
33 14 13 23-0281	EA 10" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	333.06	75.47
33 14 13 23-0282	EA 12" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	441.51	101.58
33 14 13 23-0283	45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
33 14 13 23-0284	EA 3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	28.00	10.94
33 14 13 23-0285	EA 1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	35.11	13.67
33 14 13 23-0286	EA 1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	43.96	17.09
33 14 13 23-0287	EA 1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	56.51	18.91
33 14 13 23-0288	EA 2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	67.40	21.19
33 14 13 23-0289	EA 2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	80.48	24.05

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-------------	------------------------	----------------------

33 14 13 23-0290	EA 3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	88.73	27.54
33 14 13 23-0291	EA 4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	119.58	33.83
33 14 13 23-0292	EA 6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	167.30	42.97
33 14 13 23-0293	EA 8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	260.90	56.41
33 14 13 23-0294	EA 10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	305.83	75.47
33 14 13 23-0295	EA 12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	403.82	101.58

33 14 13 23-0296 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0296)

33 14 13 23-0297	EA 3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	41.40	16.41
33 14 13 23-0298	EA 1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	52.19	20.63
33 14 13 23-0299	EA 1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	65.36	25.76
33 14 13 23-0300	EA 1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	86.10	28.49
33 14 13 23-0301	EA 2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	97.59	31.68
33 14 13 23-0302	EA 2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	113.07	36.12
33 14 13 23-0303	EA 3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	136.38	41.20
33 14 13 23-0304	EA 4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	176.87	50.78
33 14 13 23-0305	EA 6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	279.92	64.55
33 14 13 23-0306	EA 8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	411.34	84.61
33 14 13 23-0307	EA 10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	487.82	114.49
33 14 13 23-0308	EA 12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	616.63	154.07

33 14 13 23-0309 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0296)

33 14 13 23-0310	EA 3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	18.48	7.29
33 14 13 23-0311	EA 1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	24.91	9.80
33 14 13 23-0312	EA 1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	33.12	12.87
33 14 13 23-0313	EA 1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	43.84	14.25
33 14 13 23-0314	EA 2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	48.46	15.84
33 14 13 23-0315	EA 2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	55.12	18.01
33 14 13 23-0316	EA 3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	64.05	20.60
33 14 13 23-0317	EA 4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	85.94	25.34
33 14 13 23-0318	EA 6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	120.15	32.28
33 14 13 23-0319	EA 8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	195.76	42.30
33 14 13 23-0320	EA 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	233.22	57.31
33 14 13 23-0321	EA 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	299.70	77.03

33 14 13 23-0322 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)

33 14 13 23-0323 Schedule 40 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0322)

33 14 13 23-0324	LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.71	0.91
	<i>For >1,000, Deduct</i>	-0.14	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.06	
33 14 13 23-0325	LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.13	0.98
	<i>For >1,000, Deduct</i>	-0.16	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.10	
33 14 13 23-0326	LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.98	1.19
	<i>For >1,000, Deduct</i>	-0.20	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.15	
33 14 13 23-0327	LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.70	1.32
	<i>For >1,000, Deduct</i>	-0.24	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.21	
33 14 13 23-0328	LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.96	1.50
	<i>For >1,000, Deduct</i>	-0.30	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.33	
33 14 13 23-0329	LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	7.14	1.72
	<i>For >1,000, Deduct</i>	-0.36	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.43	
33 14 13 23-0330	LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	9.40	2.11
	<i>For >1,000, Deduct</i>	-0.47	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.62	
33 14 13 23-0331	LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	13.88	2.69
	<i>For >1,000, Deduct</i>	-0.69	
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.07	

33 14 13 23-0332 90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)

33 14 13 23-0333	EA 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	27.76	10.94
33 14 13 23-0334	EA 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	34.92	13.67
33 14 13 23-0335	EA 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	48.50	18.91
33 14 13 23-0336	EA 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	54.62	21.19
33 14 13 23-0337	EA 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	64.76	24.05
33 14 13 23-0338	EA 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	74.37	27.54
33 14 13 23-0339	EA 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	95.93	33.83
33 14 13 23-0340	EA 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	143.60	42.97

33 14 13 23-0341 45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)

33 14 13 23-0342	EA 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	27.73	10.94
33 14 13 23-0343	EA 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	34.89	13.67
33 14 13 23-0344	EA 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	48.51	18.91
33 14 13 23-0345	EA 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	54.49	21.19
33 14 13 23-0346	EA 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	64.40	24.05
33 14 13 23-0347	EA 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	73.95	27.54
33 14 13 23-0348	EA 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	95.09	33.83

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0349	EA		6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	140.93	42.97
33 14 13 23-0350			Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0351	EA		3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	41.54	16.41
33 14 13 23-0352	EA		1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	52.30	20.63
33 14 13 23-0353	EA		1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	72.58	28.49
33 14 13 23-0354	EA		2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	81.46	31.68
33 14 13 23-0355	EA		2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	97.35	36.12
33 14 13 23-0356	EA		3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	113.25	41.20
33 14 13 23-0357	EA		4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	140.48	50.78
33 14 13 23-0358	EA		6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	217.96	64.55
33 14 13 23-0359			Couplings, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0360	EA		3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	18.55	7.29
33 14 13 23-0361	EA		1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	24.96	9.80
33 14 13 23-0362	EA		1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	36.21	14.25
33 14 13 23-0363	EA		2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	40.72	15.84
33 14 13 23-0364	EA		2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	47.44	18.01
33 14 13 23-0365	EA		3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	55.14	20.60
33 14 13 23-0366	EA		4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	68.21	25.34
33 14 13 23-0367	EA		6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	97.10	32.28
33 14 13 23-0368			Crosses, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0369	EA		3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	55.53	21.88
33 14 13 23-0370	EA		1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	69.65	27.46
33 14 13 23-0371	EA		1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	96.76	37.95
33 14 13 23-0372	EA		2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	108.60	42.28
33 14 13 23-0373	EA		2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	129.75	48.09
33 14 13 23-0374	EA		3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	150.92	54.97
33 14 13 23-0375	EA		4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	187.24	67.64
33 14 13 23-0376	EA		6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	290.28	86.04
33 14 13 23-0377			Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)		
33 14 13 23-0378			Schedule 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0377)		
33 14 13 23-0379	LF		1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.34	0.98
			For >1,000, Deduct	-0.17	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.13	
33 14 13 23-0380	LF		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.40	1.19
			For >1,000, Deduct	-0.22	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.22	
33 14 13 23-0381	LF		2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	5.40	1.32
			For >1,000, Deduct	-0.27	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.31	
33 14 13 23-0382	LF		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	6.87	1.50
			For >1,000, Deduct	-0.34	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.47	
33 14 13 23-0383	LF		3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	8.42	1.72
			For >1,000, Deduct	-0.42	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.62	
33 14 13 23-0384	LF		4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	11.36	2.11
			For >1,000, Deduct	-0.57	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.91	
33 14 13 23-0385	LF		6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	18.25	2.69
			For >1,000, Deduct	-0.91	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.73	
33 14 13 23-0386			90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0387	EA		1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	36.01	13.67
33 14 13 23-0388	EA		1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	48.50	18.91
33 14 13 23-0389	EA		2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	55.70	21.19
33 14 13 23-0390	EA		2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	67.07	24.05
33 14 13 23-0391	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	76.51	27.54
33 14 13 23-0392	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	96.45	33.83
33 14 13 23-0393	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	141.16	42.97
33 14 13 23-0394			45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0395	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	40.46	13.67
33 14 13 23-0396	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	52.79	18.91
33 14 13 23-0397	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	59.83	21.19
33 14 13 23-0398	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	74.80	24.05
33 14 13 23-0399	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	86.59	27.54
33 14 13 23-0400	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	116.70	33.83
33 14 13 23-0401	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	139.80	42.97
33 14 13 23-0402			Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0403	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	54.58	20.63
33 14 13 23-0404	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	79.50	28.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0405	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	89.72	31.68
33 14 13 23-0406	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	101.72	36.12
33 14 13 23-0407	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	117.43	41.20
33 14 13 23-0408	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	143.50	50.78
33 14 13 23-0409	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	217.85	64.55
33 14 13 23-0410			Couplings, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0377)</small>		
33 14 13 23-0411	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	26.59	9.80
33 14 13 23-0412	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	39.01	14.25
33 14 13 23-0413	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	43.35	15.84
33 14 13 23-0414	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	54.20	18.01
33 14 13 23-0415	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	61.96	20.60
33 14 13 23-0416	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	76.49	25.34
33 14 13 23-0417	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	108.67	32.28
33 14 13 23-0418			Crosses, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0377)</small>		
33 14 13 23-0419	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Cross	72.68	27.46
33 14 13 23-0420	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	105.95	37.95
33 14 13 23-0421	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Cross	119.55	42.28
33 14 13 23-0422	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	135.55	48.09
33 14 13 23-0423	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Cross	156.47	54.97
33 14 13 23-0424	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Cross	191.24	67.64
33 14 13 23-0425	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Cross	290.14	86.04
33 14 13 23-0426			AWWA C906, High Density Polyethylene (HDPE) Pressure Piping <small>(33 14 13 23)</small>		
			Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
33 14 13 23-0427			High Density Polyethylene (HDPE) Pressure Pipe <small>(33 14 13 23-0426)</small>		
33 14 13 23-0428	LF		3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	7.72	3.14
			For DR 19 (89 PSI), Add	0.12	
			For DR 17 (100 PSI), Add	0.31	
			For DR 15.5 (110 PSI), Add	0.45	
			For DR 13.5 (128 PSI), Add	0.70	
			For DR 11 (160 PSI), Add	1.13	
33 14 13 23-0429	LF		4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	11.67	3.99
			For DR 26 (65 PSI), Deduct	-0.68	
			For DR 19 (89 PSI), Add	0.33	
			For DR 17 (100 PSI), Add	0.82	
			For DR 15.5 (110 PSI), Add	1.20	
			For DR 13.5 (128 PSI), Add	1.88	
			For DR 11 (160 PSI), Add	3.02	
33 14 13 23-0430	LF		6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	17.65	4.83
			For DR 26 (65 PSI), Deduct	-1.46	
			For DR 19 (89 PSI), Add	0.72	
			For DR 17 (100 PSI), Add	1.78	
			For DR 15.5 (110 PSI), Add	2.60	
			For DR 13.5 (128 PSI), Add	4.06	
			For DR 11 (160 PSI), Add	6.53	
33 14 13 23-0431	LF		8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	24.43	5.44
			For DR 26 (65 PSI), Deduct	-2.49	
			For DR 19 (89 PSI), Add	1.22	
			For DR 17 (100 PSI), Add	3.01	
			For DR 15.5 (110 PSI), Add	4.41	
			For DR 13.5 (128 PSI), Add	6.89	
			For DR 11 (160 PSI), Add	11.09	
33 14 13 23-0432	LF		10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	33.16	6.04
			For DR 26 (65 PSI), Deduct	-3.87	
			For DR 19 (89 PSI), Add	1.90	
			For DR 17 (100 PSI), Add	4.69	
			For DR 15.5 (110 PSI), Add	6.86	
			For DR 13.5 (128 PSI), Add	10.71	
			For DR 11 (160 PSI), Add	17.24	
33 14 13 23-0433	LF		12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	43.80	67.62
			For DR 26 (65 PSI), Deduct	-5.57	
			For DR 19 (89 PSI), Add	2.74	
			For DR 17 (100 PSI), Add	6.75	
			For DR 15.5 (110 PSI), Add	9.89	
			For DR 13.5 (128 PSI), Add	15.44	
			For DR 11 (160 PSI), Add	24.85	
33 14 13 23-0434	LF		14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	50.84	7.61
			For DR 26 (65 PSI), Deduct	-6.55	
			For DR 19 (89 PSI), Add	3.22	
			For DR 17 (100 PSI), Add	7.94	
			For DR 15.5 (110 PSI), Add	11.63	
			For DR 13.5 (128 PSI), Add	18.15	
			For DR 11 (160 PSI), Add	29.22	
33 14 13 23-0435	LF		16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	63.60	8.45
			For DR 26 (65 PSI), Deduct	-8.56	
			For DR 19 (89 PSI), Add	4.20	
			For DR 17 (100 PSI), Add	10.37	
			For DR 15.5 (110 PSI), Add	15.19	
			For DR 13.5 (128 PSI), Add	23.71	
			For DR 11 (160 PSI), Add	38.17	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

33 14 13 23-0436	LF	18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	79.35	10.15
		For DR 26 (65 PSI), Deduct	-10.82	
		For DR 19 (89 PSI), Add	5.31	
		For DR 17 (100 PSI), Add	13.11	
		For DR 15.5 (110 PSI), Add	19.20	
		For DR 13.5 (128 PSI), Add	29.97	
		For DR 11 (160 PSI), Add	48.24	
33 14 13 23-0437	LF	20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	68.61	12.07
		For DR 26 (65 PSI), Deduct	-8.15	
		For DR 19 (89 PSI), Add	4.00	
		For DR 17 (100 PSI), Add	9.88	
		For DR 15.5 (110 PSI), Add	14.47	
		For DR 13.5 (128 PSI), Add	22.58	
		For DR 11 (160 PSI), Add	36.35	
33 14 13 23-0438	LF	24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	133.98	14.49
		For DR 26 (65 PSI), Deduct	-19.25	
		For DR 19 (89 PSI), Add	9.45	
		For DR 17 (100 PSI), Add	23.33	
		For DR 15.5 (110 PSI), Add	34.17	
		For DR 13.5 (128 PSI), Add	53.33	
		For DR 11 (160 PSI), Add	85.84	
33 14 13 23-0439		90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping <small>(33 14</small>		
		<small>13 23-0426)</small>		
33 14 13 23-0440	EA	3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	69.24	17.09
		For DR 26 (65 PSI), Deduct	-3.29	
		For DR 19 (89 PSI), Add	1.62	
		For DR 17 (100 PSI), Add	3.99	
		For DR 15.5 (110 PSI), Add	5.84	
		For DR 13.5 (128 PSI), Add	9.12	
		For DR 11 (160 PSI), Add	14.68	
33 14 13 23-0441	EA	4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	78.38	19.01
		For DR 26 (65 PSI), Deduct	-3.92	
		For DR 19 (89 PSI), Add	1.93	
		For DR 17 (100 PSI), Add	4.76	
		For DR 15.5 (110 PSI), Add	6.96	
		For DR 13.5 (128 PSI), Add	10.87	
		For DR 11 (160 PSI), Add	17.49	
33 14 13 23-0442	EA	6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	122.00	21.71
		For DR 26 (65 PSI), Deduct	-10.43	
		For DR 19 (89 PSI), Add	5.12	
		For DR 17 (100 PSI), Add	12.65	
		For DR 15.5 (110 PSI), Add	18.52	
		For DR 13.5 (128 PSI), Add	28.91	
		For DR 11 (160 PSI), Add	46.53	
33 14 13 23-0443	EA	8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	194.98	25.35
		For DR 26 (65 PSI), Deduct	-21.81	
		For DR 19 (89 PSI), Add	10.71	
		For DR 17 (100 PSI), Add	26.44	
		For DR 15.5 (110 PSI), Add	38.72	
		For DR 13.5 (128 PSI), Add	60.43	
		For DR 11 (160 PSI), Add	97.27	
33 14 13 23-0444	EA	10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	299.89	33.85
		For DR 26 (65 PSI), Deduct	-36.40	
		For DR 19 (89 PSI), Add	17.87	
		For DR 17 (100 PSI), Add	44.12	
		For DR 15.5 (110 PSI), Add	64.62	
		For DR 13.5 (128 PSI), Add	100.86	
		For DR 11 (160 PSI), Add	162.34	
33 14 13 23-0445	EA	12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	442.69	50.65
		For DR 26 (65 PSI), Deduct	-53.30	
		For DR 19 (89 PSI), Add	26.17	
		For DR 17 (100 PSI), Add	64.61	
		For DR 15.5 (110 PSI), Add	94.62	
		For DR 13.5 (128 PSI), Add	147.69	
		For DR 11 (160 PSI), Add	237.72	
33 14 13 23-0446	EA	14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	549.35	67.60
		For DR 26 (65 PSI), Deduct	-63.54	
		For DR 19 (89 PSI), Add	31.20	
		For DR 17 (100 PSI), Add	77.03	
		For DR 15.5 (110 PSI), Add	112.80	
		For DR 13.5 (128 PSI), Add	176.06	
		For DR 11 (160 PSI), Add	283.39	
33 14 13 23-0447	EA	16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	718.94	101.32
		For DR 26 (65 PSI), Deduct	-76.09	
		For DR 19 (89 PSI), Add	37.36	
		For DR 17 (100 PSI), Add	92.24	
		For DR 15.5 (110 PSI), Add	135.08	
		For DR 13.5 (128 PSI), Add	210.84	
		For DR 11 (160 PSI), Add	339.37	
33 14 13 23-0448	EA	18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	906.82	113.96
		For DR 26 (65 PSI), Deduct	-103.55	
		For DR 19 (89 PSI), Add	50.84	
		For DR 17 (100 PSI), Add	125.53	
		For DR 15.5 (110 PSI), Add	183.82	
		For DR 13.5 (128 PSI), Add	286.92	
		For DR 11 (160 PSI), Add	461.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0449	EA		20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,241.53	129.34
			<i>For DR 26 (65 PSI), Deduct</i>	-155.72	
			<i>For DR 19 (89 PSI), Add</i>	76.46	
			<i>For DR 17 (100 PSI), Add</i>	188.76	
			<i>For DR 15.5 (110 PSI), Add</i>	276.43	
			<i>For DR 13.5 (128 PSI), Add</i>	431.47	
			<i>For DR 11 (160 PSI), Add</i>	694.48	
33 14 13 23-0450	EA		24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,589.97	152.03
			<i>For DR 26 (65 PSI), Deduct</i>	-207.88	
			<i>For DR 19 (89 PSI), Add</i>	102.07	
			<i>For DR 17 (100 PSI), Add</i>	252.00	
			<i>For DR 15.5 (110 PSI), Add</i>	369.04	
			<i>For DR 13.5 (128 PSI), Add</i>	576.02	
			<i>For DR 11 (160 PSI), Add</i>	927.14	
33 14 13 23-0451 Tees, High Density Polyethylene (HDPE) Pressure Piping (33 14 13 23-0426)					
33 14 13 23-0452	EA		3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	77.06	17.90
			<i>For DR 26 (65 PSI), Deduct</i>	-4.31	
			<i>For DR 19 (89 PSI), Add</i>	2.11	
			<i>For DR 17 (100 PSI), Add</i>	5.22	
			<i>For DR 15.5 (110 PSI), Add</i>	7.64	
			<i>For DR 13.5 (128 PSI), Add</i>	11.93	
			<i>For DR 11 (160 PSI), Add</i>	19.20	
33 14 13 23-0453	EA		4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	88.40	20.27
			<i>For DR 26 (65 PSI), Deduct</i>	-5.07	
			<i>For DR 19 (89 PSI), Add</i>	2.49	
			<i>For DR 17 (100 PSI), Add</i>	6.14	
			<i>For DR 15.5 (110 PSI), Add</i>	9.00	
			<i>For DR 13.5 (128 PSI), Add</i>	14.04	
			<i>For DR 11 (160 PSI), Add</i>	22.60	
33 14 13 23-0454	EA		6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	142.36	23.38
			<i>For DR 26 (65 PSI), Deduct</i>	-13.25	
			<i>For DR 19 (89 PSI), Add</i>	6.50	
			<i>For DR 17 (100 PSI), Add</i>	16.06	
			<i>For DR 15.5 (110 PSI), Add</i>	23.52	
			<i>For DR 13.5 (128 PSI), Add</i>	36.71	
			<i>For DR 11 (160 PSI), Add</i>	59.08	
33 14 13 23-0455	EA		8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	266.19	27.64
			<i>For DR 26 (65 PSI), Deduct</i>	-33.61	
			<i>For DR 19 (89 PSI), Add</i>	16.50	
			<i>For DR 17 (100 PSI), Add</i>	40.74	
			<i>For DR 15.5 (110 PSI), Add</i>	59.66	
			<i>For DR 13.5 (128 PSI), Add</i>	93.12	
			<i>For DR 11 (160 PSI), Add</i>	149.88	
33 14 13 23-0456	EA		10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	363.13	40.57
			<i>For DR 26 (65 PSI), Deduct</i>	-44.28	
			<i>For DR 19 (89 PSI), Add</i>	21.74	
			<i>For DR 17 (100 PSI), Add</i>	53.67	
			<i>For DR 15.5 (110 PSI), Add</i>	78.60	
			<i>For DR 13.5 (128 PSI), Add</i>	122.68	
			<i>For DR 11 (160 PSI), Add</i>	197.47	
33 14 13 23-0457	EA		12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	512.20	60.86
			<i>For DR 26 (65 PSI), Deduct</i>	-60.46	
			<i>For DR 19 (89 PSI), Add</i>	29.68	
			<i>For DR 17 (100 PSI), Add</i>	73.29	
			<i>For DR 15.5 (110 PSI), Add</i>	107.32	
			<i>For DR 13.5 (128 PSI), Add</i>	167.52	
			<i>For DR 11 (160 PSI), Add</i>	269.63	
33 14 13 23-0458	EA		14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	615.95	76.01
			<i>For DR 26 (65 PSI), Deduct</i>	-71.12	
			<i>For DR 19 (89 PSI), Add</i>	34.92	
			<i>For DR 17 (100 PSI), Add</i>	86.22	
			<i>For DR 15.5 (110 PSI), Add</i>	126.26	
			<i>For DR 13.5 (128 PSI), Add</i>	197.08	
			<i>For DR 11 (160 PSI), Add</i>	317.21	
33 14 13 23-0459	EA		16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	802.82	113.96
			<i>For DR 26 (65 PSI), Deduct</i>	-84.46	
			<i>For DR 19 (89 PSI), Add</i>	41.47	
			<i>For DR 17 (100 PSI), Add</i>	102.39	
			<i>For DR 15.5 (110 PSI), Add</i>	149.94	
			<i>For DR 13.5 (128 PSI), Add</i>	234.03	
			<i>For DR 11 (160 PSI), Add</i>	376.69	
33 14 13 23-0460	EA		18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,038.47	132.76
			<i>For DR 26 (65 PSI), Deduct</i>	-117.36	
			<i>For DR 19 (89 PSI), Add</i>	57.62	
			<i>For DR 17 (100 PSI), Add</i>	142.26	
			<i>For DR 15.5 (110 PSI), Add</i>	208.33	
			<i>For DR 13.5 (128 PSI), Add</i>	325.18	
			<i>For DR 11 (160 PSI), Add</i>	523.40	
33 14 13 23-0461	EA		20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,462.75	156.81
			<i>For DR 26 (65 PSI), Deduct</i>	-180.92	
			<i>For DR 19 (89 PSI), Add</i>	88.83	
			<i>For DR 17 (100 PSI), Add</i>	219.32	
			<i>For DR 15.5 (110 PSI), Add</i>	321.18	
			<i>For DR 13.5 (128 PSI), Add</i>	501.32	
			<i>For DR 11 (160 PSI), Add</i>	806.91	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0462	EA		24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,903.65	190.09
			<i>For DR 26 (65 PSI), Deduct</i>	-244.49	
			<i>For DR 19 (89 PSI), Add</i>	120.05	
			<i>For DR 17 (100 PSI), Add</i>	296.38	
			<i>For DR 15.5 (110 PSI), Add</i>	434.03	
			<i>For DR 13.5 (128 PSI), Add</i>	677.46	
			<i>For DR 11 (160 PSI), Add</i>	1,090.41	
33 14 13 26			Galvanized Steel Public Water Utility Distribution Piping (33 14 13)		
			See CSI section 22 11 16 00-0013 for galvanized steel pipe.		
33 14 13 36			Steel Public Water Utility Distribution Piping (33 14 13)		
33 14 13 36-0001			Steel Piping (33 14 13 36)		
33 14 13 36-0002			Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0001)		
			Note: ASTM A252 steel pipe.		
33 14 13 36-0003			Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)		
33 14 13 36-0004	LF		8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	57.89	30.41
			<i>For >1,000, Deduct</i>	-2.89	
33 14 13 36-0005	LF		8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	61.65	30.41
			<i>For >1,000, Deduct</i>	-3.08	
33 14 13 36-0006	LF		10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	65.05	33.17
			<i>For >1,000, Deduct</i>	-3.25	
33 14 13 36-0007	LF		10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	69.80	33.17
			<i>For >1,000, Deduct</i>	-3.49	
33 14 13 36-0008	LF		12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	71.88	34.75
			<i>For >1,000, Deduct</i>	-3.59	
33 14 13 36-0009	LF		12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	75.57	34.75
			<i>For >1,000, Deduct</i>	-3.78	
33 14 13 36-0010	LF		14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	100.91	38.40
			<i>For >1,000, Deduct</i>	-5.05	
33 14 13 36-0011	LF		14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	85.35	38.40
			<i>For >1,000, Deduct</i>	-4.27	
33 14 13 36-0012	LF		16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	87.16	40.54
			<i>For >1,000, Deduct</i>	-4.36	
33 14 13 36-0013	LF		16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	89.44	40.54
			<i>For >1,000, Deduct</i>	-4.47	
33 14 13 36-0014	LF		18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	102.13	45.60
			<i>For >1,000, Deduct</i>	-5.11	
33 14 13 36-0015	LF		20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	105.87	45.60
			<i>For >1,000, Deduct</i>	-5.29	
33 14 13 36-0016			5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)		
33 14 13 36-0017	LF		12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	85.08	54.34
			<i>For >1,000, Deduct</i>	-4.25	
33 14 13 36-0018	LF		14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	97.15	59.76
			<i>For >1,000, Deduct</i>	-4.86	
33 14 13 36-0019	LF		16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	105.06	62.48
			<i>For >1,000, Deduct</i>	-5.25	
33 14 13 36-0020	LF		18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	118.36	70.63
			<i>For >1,000, Deduct</i>	-5.92	
33 14 13 36-0021	LF		18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	120.90	70.63
			<i>For >1,000, Deduct</i>	-6.05	
33 14 13 36-0022	LF		20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	123.24	70.63
			<i>For >1,000, Deduct</i>	-6.16	
33 14 13 36-0023	LF		20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	125.95	70.63
			<i>For >1,000, Deduct</i>	-6.30	
33 14 13 36-0024	LF		24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	144.99	81.49
			<i>For >1,000, Deduct</i>	-7.25	
33 14 13 36-0025	LF		24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	153.36	81.49
			<i>For >1,000, Deduct</i>	-7.67	
33 14 13 36-0026	LF		24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	173.90	81.49
			<i>For >1,000, Deduct</i>	-8.70	
33 14 13 36-0027	LF		30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	174.85	95.08
			<i>For >1,000, Deduct</i>	-8.74	
33 14 13 36-0028	LF		30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	178.27	95.08
			<i>For >1,000, Deduct</i>	-8.91	
33 14 13 36-0029			Flexible Couplings (Dresser Style 38) (33 14 13 36-0001)		
33 14 13 36-0030	EA		2" Dresser Coupling For Plain End Welded Steel Pipe	115.03	29.46
33 14 13 36-0031	EA		3" Dresser Coupling For Plain End Welded Steel Pipe	174.26	56.65
33 14 13 36-0032	EA		4" Dresser Coupling For Plain End Welded Steel Pipe	231.94	74.78
33 14 13 36-0033	EA		6" Dresser Coupling For Plain End Welded Steel Pipe	367.57	113.30
33 14 13 36-0034	EA		8" Dresser Coupling For Plain End Welded Steel Pipe	478.99	142.75
33 14 13 36-0035	EA		10" Dresser Coupling For Plain End Welded Steel Pipe	652.46	173.75
33 14 13 36-0036	EA		12" Dresser Coupling For Plain End Welded Steel Pipe	778.65	217.76
33 14 13 36-0037	EA		14" Dresser Coupling For Plain End Welded Steel Pipe	837.49	217.76
33 14 13 36-0038	EA		16" Dresser Coupling For Plain End Welded Steel Pipe	886.21	249.04
33 14 13 36-0039	EA		18" Dresser Coupling For Plain End Welded Steel Pipe	968.97	266.41
33 14 13 36-0040	EA		20" Dresser Coupling For Plain End Welded Steel Pipe	1,056.51	301.16
33 14 13 36-0041	EA		24" Dresser Coupling For Plain End Welded Steel Pipe	1,315.33	318.54

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

33 14 13 39 Copper Public Water Utility Distribution Piping (33 14 13)

33 14 13 39-0001	Type L Copper Water Distribution Piping (33 14 13 39)			
33 14 13 39-0002	LF 1/2" Type L Copper Water Distribution Pipe	6.21		2.18
33 14 13 39-0003	LF 3/4" Type L Copper Water Distribution Pipe	7.22		2.45
33 14 13 39-0004	LF 1" Type L Copper Water Distribution Pipe	9.32		2.73
33 14 13 39-0005	LF 1-1/4" Type L Copper Water Distribution Pipe	11.27		3.27
33 14 13 39-0006	LF 1-1/2" Type L Copper Water Distribution Pipe	13.60		4.36
33 14 13 39-0007	LF 2" Type L Copper Water Distribution Pipe	18.48		5.44
33 14 13 39-0008	LF 2-1/2" Type L Copper Water Distribution Pipe	24.19		6.54
33 14 13 39-0009	LF 3" Type L Copper Water Distribution Pipe	29.26		7.19
33 14 13 39-0010	LF 3-1/2" Type L Copper Water Distribution Pipe	39.63		9.04
33 14 13 39-0011	LF 4" Type L Copper Water Distribution Pipe	51.77		11.44
33 14 13 39-0012	LF 5" Type L Copper Water Distribution Pipe	78.32		14.27
33 14 13 39-0013	LF 6" Type L Copper Water Distribution Pipe	99.81		17.22
33 14 13 39-0014	LF 8" Type L Copper Water Distribution Pipe	159.67		19.28

33 14 13 39-0015 Type K Copper Water Distribution Piping (33 14 13 39)

33 14 13 39-0016	LF 1/2" Type K Copper Water Distribution Pipe	6.45		2.18
33 14 13 39-0017	LF 3/4" Type K Copper Water Distribution Pipe	8.05		2.45
33 14 13 39-0018	LF 1" Type K Copper Water Distribution Pipe	10.15		2.73
33 14 13 39-0019	LF 1-1/4" Type K Copper Water Distribution Pipe	11.78		3.27
33 14 13 39-0020	LF 1-1/2" Type K Copper Water Distribution Pipe	14.35		4.36
33 14 13 39-0021	LF 2" Type K Copper Water Distribution Pipe	19.50		5.44
33 14 13 39-0022	LF 2-1/2" Type K Copper Water Distribution Pipe	27.00		6.54
33 14 13 39-0023	LF 3" Type K Copper Water Distribution Pipe	33.48		7.19
33 14 13 39-0024	LF 3-1/2" Type K Copper Water Distribution Pipe	44.59		9.04
33 14 13 39-0025	LF 4" Type K Copper Water Distribution Pipe	59.30		11.44
33 14 13 39-0026	LF 5" Type K Copper Water Distribution Pipe	93.91		14.27
33 14 13 39-0027	LF 6" Type K Copper Water Distribution Pipe	127.83		17.22
33 14 13 39-0028	LF 8" Type K Copper Water Distribution Pipe	211.39		19.28

33 14 13 43 Public Water Utility Distribution Piping Coatings And Wraps (33 14 13)

33 14 13 43-0001 Pipe Coatings (33 14 13 43)

33 14 13 43-0002 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating (33 14 13 43-0001)

33 14 13 43-0003	LF 12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	3.51		
33 14 13 43-0004	LF 14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	4.66		
33 14 13 43-0005	LF 16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	5.32		
33 14 13 43-0006	LF 18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	5.59		
33 14 13 43-0007	LF 20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	6.02		
33 14 13 43-0008	LF 24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	7.01		

33 14 13 43-0009 8 Mil Polyethylene Encasement Tubing (33 14 13 43)

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0010	LF 3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing	0.90		
33 14 13 43-0011	LF 10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing	1.51		
33 14 13 43-0012	LF 14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing	1.91		
33 14 13 43-0013	LF 18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing	2.44		
33 14 13 43-0014	LF 24" Diameter, 8 Mil Polyethylene Encasement Tubing	3.41		
33 14 13 43-0015	LF 30" Diameter, 8 Mil Polyethylene Encasement Tubing	4.42		
33 14 13 43-0016	LF 36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	5.61		
33 14 13 43-0017	LF 48" Diameter, 8 Mil Polyethylene Encasement Tubing	6.69		
33 14 13 43-0018	LF 54" Diameter, 8 Mil Polyethylene Encasement Tubing	8.00		
33 14 13 43-0019	LF 60" Diameter, 8 Mil Polyethylene Encasement Tubing	9.00		

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)

33 14 13 53-0001 Double Stud Stainless Steel Service Saddles (33 14 13 53)

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA 4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	261.52		
33 14 13 53-0003	EA 4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	362.64		
33 14 13 53-0004	EA 4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	375.11		
33 14 13 53-0005	EA 6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	311.37		
33 14 13 53-0006	EA 6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	389.52		
33 14 13 53-0007	EA 8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	325.67		
33 14 13 53-0008	EA 8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	408.11		
33 14 13 53-0009	EA 10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	365.70		
33 14 13 53-0010	EA 10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	429.97		
33 14 13 53-0011	EA 12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	381.65		
33 14 13 53-0012	EA 12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	440.80		

33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA 1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	222.23		
33 14 13 53-0015	EA 2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	222.38		
33 14 13 53-0016	EA 2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	236.62		
33 14 13 53-0017	EA 2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	225.82		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	241.54
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	266.42
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	283.28
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	259.65
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	284.74
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	299.29
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	274.03
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	299.88
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	314.35
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	288.88
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	313.99
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	328.30
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	470.74
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	483.21
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	312.16
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	342.29
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	355.66
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	554.98
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	347.90
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	383.82
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	617.65
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	377.51
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	415.42
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	430.49
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	687.15
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	437.50
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	467.45
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	502.37
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	838.77
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	449.98
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	509.64
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	530.81
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	900.30
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	470.09
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	531.90
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	553.58
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	936.73
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	518.39
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	596.96
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	587.70
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	649.54
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	613.55
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	690.77

33 14 13 53-0061 Double Bale Bronze Service Saddles (33 14 13 53)

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	303.13
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	330.74
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	344.26
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	372.10
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	382.23
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	401.69
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	372.36
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	395.67
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	466.93
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	504.00
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	690.44
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	777.62
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	800.90
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	891.71

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	317.51
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	348.89
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	361.24
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	391.51
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	403.23
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	423.82
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	452.41
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	483.62
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	486.18
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	525.72
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	738.13
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	845.06
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	857.48
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	932.78

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

33 14 13 53-0091	EA		18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,186.34	
33 14 13 53-0092	EA		18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,186.34	
33 14 13 53-0093	EA		20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,236.21	
33 14 13 53-0094	EA		20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,236.21	
33 14 13 53-0095	EA		24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,325.90	
33 14 13 53-0096	EA		24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,325.90	

33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve (33 14 13 53)

33 14 13 53-0098	EA		4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,390.38	
33 14 13 53-0099	EA		6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,680.17	
33 14 13 53-0100	EA		8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,006.15	
33 14 13 53-0101	EA		8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,120.40	
33 14 13 53-0102	EA		10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,189.60	
33 14 13 53-0103	EA		10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,348.52	
33 14 13 53-0104	EA		10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,418.06	
33 14 13 53-0105	EA		12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,376.80	
33 14 13 53-0106	EA		12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,535.10	
33 14 13 53-0107	EA		12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,917.45	
33 14 13 53-0108	EA		12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,016.26	
33 14 13 53-0109	EA		14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,654.89	
33 14 13 53-0110	EA		14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,833.47	
33 14 13 53-0111	EA		14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,915.06	
33 14 13 53-0112	EA		14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,951.48	
33 14 13 53-0113	EA		14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,206.08	
33 14 13 53-0114	EA		16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,198.46	
33 14 13 53-0115	EA		16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,223.43	
33 14 13 53-0116	EA		16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,422.69	
33 14 13 53-0117	EA		16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,471.49	
33 14 13 53-0118	EA		16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,524.95	
33 14 13 53-0119	EA		16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,468.32	
33 14 13 53-0120	EA		16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,894.27	
33 14 13 53-0121	EA		18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,986.32	
33 14 13 53-0122	EA		18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,433.31	
33 14 13 53-0123	EA		18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,565.67	
33 14 13 53-0124	EA		18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,958.84	
33 14 13 53-0125	EA		20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,376.85	
33 14 13 53-0126	EA		20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,041.42	
33 14 13 53-0127	EA		20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,213.38	
33 14 13 53-0128	EA		20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,281.95	
33 14 13 53-0129	EA		20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,614.23	
33 14 13 53-0130	EA		20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,941.52	
33 14 13 53-0131	EA		20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,198.66	
33 14 13 53-0132	EA		24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,317.13	
33 14 13 53-0133	EA		24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,475.22	
33 14 13 53-0134	EA		24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,521.53	
33 14 13 53-0135	EA		24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,883.97	
33 14 13 53-0136	EA		24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,090.38	
33 14 13 53-0137	EA		24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,140.30	
33 14 13 53-0138	EA		24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,581.42	
33 14 13 53-0139	EA		24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,793.47	

33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (33 14 13 53)

33 14 13 53-0141	EA		4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,145.17	
33 14 13 53-0142	EA		6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,220.97	
33 14 13 53-0143	EA		6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,332.60	
33 14 13 53-0144	EA		8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,375.09	
33 14 13 53-0145	EA		8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,431.79	
33 14 13 53-0146	EA		8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,638.46	
33 14 13 53-0147	EA		10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,503.11	
33 14 13 53-0148	EA		10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,558.38	
33 14 13 53-0149	EA		10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,740.30	
33 14 13 53-0150	EA		10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,381.60	
33 14 13 53-0151	EA		12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,693.17	
33 14 13 53-0152	EA		12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,773.27	
33 14 13 53-0153	EA		12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,952.32	
33 14 13 53-0154	EA		12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,527.03	
33 14 13 53-0155	EA		12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,751.00	
33 14 13 53-0156	EA		14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,214.31	
33 14 13 53-0157	EA		14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,280.93	
33 14 13 53-0158	EA		14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,662.74	
33 14 13 53-0159	EA		14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,135.58	
33 14 13 53-0160	EA		14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,443.81	
33 14 13 53-0161	EA		16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,625.13	
33 14 13 53-0162	EA		16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,693.84	
33 14 13 53-0163	EA		16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,947.29	
33 14 13 53-0164	EA		16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,622.70	
33 14 13 53-0165	EA		16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,793.93	
33 14 13 53-0166	EA		18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,791.85	
33 14 13 53-0167	EA		18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,914.64	
33 14 13 53-0168	EA		18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,084.36	
33 14 13 53-0169	EA		18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,878.75	
33 14 13 53-0170	EA		18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,039.79	
33 14 13 53-0171	EA		20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,362.06	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,430.63	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,808.91	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,447.11	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,719.12	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,632.92	
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,780.67	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,979.45	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,884.38	
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,052.20	

33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve (33 14 13 53)

33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,317.98	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,439.23	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,522.79	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,557.66	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,653.59	
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,935.99	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,785.76	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,891.91	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,145.25	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,876.22	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,040.16	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,184.11	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,518.11	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,952.63	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,285.33	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,328.64	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,504.72	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,880.56	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,315.49	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,546.54	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,832.81	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,072.76	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,256.10	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,723.61	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,041.42	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,127.07	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,484.67	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,675.92	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,087.00	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,630.17	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,381.86	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,738.53	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,894.32	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,657.47	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,083.18	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,998.50	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,051.05	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,237.44	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,147.98	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,634.92	

33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter (33 14 13 53)

33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	339.20	69.72
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	425.19	87.92
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	561.00	121.26
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	722.11	142.48
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,112.69	160.67
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,243.86	181.89

33 14 13 53-0229 Steel Body, Flanged Coupling Adapter (33 14 13 53)

33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	484.16	69.72
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	574.34	87.92
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	768.18	121.26
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	937.73	142.48
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,140.35	160.67
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,327.04	181.89
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,571.21	200.08
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,854.55	218.27
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,184.19	240.10
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,574.48	264.11

33 14 13 53-0240 Steel Body, Flanged-Lock Restrained Coupling Adapters (33 14 13 53)

33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	434.88	87.92
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	584.93	121.26
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	650.50	142.48
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	933.66	160.67
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,181.45	181.89
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,323.77	200.08
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,550.33	218.27
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,738.17	240.10

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

33 14 13 53-0249	EA			20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	2,080.62	264.11
33 14 13 53-0250	EA			24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	2,496.94	290.54
33 14 13 53-0251	EA			30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	5,103.56	319.52
33 14 13 53-0252	EA			36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	6,860.63	351.54

33 14 13 53-0253 Ductile Iron Body, Omni Coupling System (33 14 13 53)

33 14 13 53-0254	EA			2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	159.14	48.51
33 14 13 53-0255	EA			2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	195.54	57.60
33 14 13 53-0256	EA			3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	241.53	69.72
33 14 13 53-0257	EA			4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	303.43	87.92
33 14 13 53-0258	EA			6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	406.18	121.26
33 14 13 53-0259	EA			8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	491.86	142.48
33 14 13 53-0260	EA			10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	608.58	160.67
33 14 13 53-0261	EA			12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	709.66	181.89
33 14 13 53-0262	EA			14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	978.77	200.08
33 14 13 53-0263	EA			16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	1,210.33	218.27

33 14 15 Water Service Connections (33 14)
 See CSI section 22 11 19 00-0135 for backflow preventer assemblies.

33 14 15 23 Water Service Hydrants (33 14 15)

33 14 15 23-0001 Yard Hydrants (33 14 15 23)

Note: With 3/4" hose thread outlet.

33 14 15 23-0002	EA			2" Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	229.17	36.93
33 14 15 23-0003	EA			4" Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	240.82	36.93
33 14 15 23-0004	EA			6" Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	252.47	36.93
33 14 15 23-0005	EA			2" Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	275.28	46.78
33 14 15 23-0006	EA			4" Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	285.64	46.78
33 14 15 23-0007	EA			6" Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	295.99	46.78

33 14 15 23-0008 Sanitary Yard Hydrants (33 14 15 23)

Note: With 3/4" hose thread outlet.

33 14 15 23-0009	EA			2" Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	809.14	76.94
33 14 15 23-0010	EA			4" Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	845.53	76.94
33 14 15 23-0011	EA			6" Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	881.93	76.94

33 14 15 23-0012 Flushing Hydrants (33 14 15 23)

33 14 15 23-0013	EA			2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth.....	549.79	47.30
------------------	----	--	--	---	--------	-------

33 14 19 Valves and Hydrants for Water Utility Service (33 14)
 See CSI section 23 21 13 23-0576 for bolt and gasket sets.

33 14 19 00-0001 Water Utility Distribution Valves (33 14 19)

33 14 19 00-0002 Angle Valves (33 14 19 00-0001)

Note: For connecting meters to water service.

33 14 19 00-0003 Threaded, Class 150, Bronze Angle Valve (33 14 19 00-0002)

Note: Nibco T-335Y

33 14 19 00-0004	EA			1/2" Threaded, Class 150, Bronze Angle Valve.....	66.66	19.70
33 14 19 00-0005	EA			3/4" Threaded, Class 150, Bronze Angle Valve.....	89.89	26.47
33 14 19 00-0006	EA			1" Threaded, Class 150, Bronze Angle Valve.....	116.56	32.63
33 14 19 00-0007	EA			1-1/4" Threaded, Class 150, Bronze Angle Valve.....	149.24	40.99
33 14 19 00-0008	EA			1-1/2" Threaded, Class 150, Bronze Angle Valve.....	181.54	47.39
33 14 19 00-0009	EA			2" Threaded, Class 150, Bronze Angle Valve.....	252.67	55.40
33 14 19 00-0010	EA			2-1/2" Threaded, Class 150, Bronze Angle Valve.....	387.23	75.57
33 14 19 00-0011	EA			3" Threaded, Class 150, Bronze Angle Valve.....	553.81	87.24

33 14 19 00-0012 Butterfly Valves (33 14 19 00-0001)

33 14 19 00-0013 Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valves (33 14 19 00-0012)

33 14 19 00-0014	EA			3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,281.78	209.27
33 14 19 00-0015	EA			3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,453.91	209.27
33 14 19 00-0016	EA			4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,441.70	323.70
33 14 19 00-0017	EA			4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,613.83	323.70
33 14 19 00-0018	EA			6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,717.84	396.87
33 14 19 00-0019	EA			6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,891.04	396.87

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0020 EA 8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	2,001.60	507.13
33 14 19 00-0021 EA 8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	2,174.81	507.13
33 14 19 00-0022 EA 10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD16).....	2,610.25	617.37
33 14 19 00-0023 EA 10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20).....	3,048.10	617.37
33 14 19 00-0024 EA 12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD24).....	3,079.47	748.32
33 14 19 00-0025 EA 12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20).....	3,437.71	748.32
33 14 19 00-0026 EA 14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD12).....	4,001.36	965.15
33 14 19 00-0027 EA 14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20).....	4,589.82	965.15
33 14 19 00-0028 EA 16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD16).....	4,731.99	1,061.66
33 14 19 00-0029 EA 16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20).....	5,106.37	1,061.66
33 14 19 00-0030 EA 18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 18,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD16).....	5,840.66	1,177.47
33 14 19 00-0031 EA 18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 18,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20).....	49,247.04	1,177.47
33 14 19 00-0032 EA 20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 20,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD30).....	6,871.09	1,327.08
33 14 19 00-0033 EA 20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 20,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20).....	7,107.77	1,327.08
33 14 19 00-0034 EA 24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-HD30).....	9,955.04	1,628.68
33 14 19 00-0035 EA 24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-CW20).....	10,189.60	1,628.68
33 14 19 00-0036 EA 30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 30,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD16).....	22,166.26	2,740.65
33 14 19 00-0037 EA 36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 36,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD16).....	26,139.70	3,654.21
33 14 19 00-0038 EA 42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 42,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD32).....	33,896.17	5,481.31
33 14 19 00-0039 EA 48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 48,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR3-HD24).....	41,303.30	6,851.63
33 14 19 00-0040 Check Valves (33 14 19 00-0001)		
33 14 19 00-0041 Flanged, Swing Type Gravity Operated Check Valves (33 14 19 00-0040)		
Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0042 EA 2-1/2" Flanged, Swing Type Gravity Operated Check Valve.....	638.00	164.28
33 14 19 00-0043 EA 3" Flanged, Swing Type Gravity Operated Check Valve.....	673.07	192.61
33 14 19 00-0044 EA 4" Flanged, Swing Type Gravity Operated Check Valve.....	1,016.31	243.59
33 14 19 00-0045 EA 4" x 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,292.52	366.52
33 14 19 00-0046 EA 4" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,363.04	409.33
33 14 19 00-0047 EA 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,313.19	407.88
33 14 19 00-0048 EA 6" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,665.02	463.63
33 14 19 00-0049 EA 6" x 10" Flanged, Swing Type Gravity Operated Check Valve.....	1,762.09	521.17
33 14 19 00-0050 EA 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,820.59	521.17
33 14 19 00-0051 EA 10" Flanged, Swing Type Gravity Operated Check Valve.....	2,898.09	634.47
33 14 19 00-0052 EA 12" Flanged, Swing Type Gravity Operated Check Valve.....	4,246.79	475.85
33 14 19 00-0053 EA 14" Flanged, Swing Type Gravity Operated Check Valve.....	5,866.99	965.15
33 14 19 00-0054 EA 16" Flanged, Swing Type Gravity Operated Check Valve.....	7,643.65	1,061.66
33 14 19 00-0055 EA 18" Flanged, Swing Type Gravity Operated Check Valve.....	10,827.38	1,177.47
33 14 19 00-0056 EA 20" Flanged, Swing Type Gravity Operated Check Valve.....	12,574.33	1,327.08
33 14 19 00-0057 Threaded, Bronze, Swing Type Check Valves (33 14 19 00-0040)		
Note: Class 125. Watts WCV-2, Nibco T-413.		
33 14 19 00-0058 EA 1/4" Threaded, Bronze, Swing Type Check Valve.....	43.14	19.82
33 14 19 00-0059 EA 3/8" Threaded, Bronze, Swing Type Check Valve.....	45.02	19.82
33 14 19 00-0060 EA 1/2" Threaded, Bronze, Swing Type Check Valve.....	45.04	19.82
33 14 19 00-0061 EA 3/4" Threaded, Bronze, Swing Type Check Valve.....	60.33	26.78

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0062	EA		1" Threaded, Bronze, Swing Type Check Valve	74.08	32.37
33 14 19 00-0063	EA		1-1/4" Threaded, Bronze, Swing Type Check Valve	95.52	40.99
33 14 19 00-0064	EA		1-1/2" Threaded, Bronze, Swing Type Check Valve	113.06	47.39
33 14 19 00-0065	EA		2" Threaded, Bronze, Swing Type Check Valve	140.28	55.40
33 14 19 00-0066	EA		2-1/2" Threaded, Bronze, Swing Type Check Valve	214.52	75.57
33 14 19 00-0067			Combination Air Release Valves (33 14 19 00-0001)		
33 14 19 00-0068	EA		1" Combination Air Release Valve	444.92	23.79
33 14 19 00-0069	EA		2" Combination Air Release Valve	720.01	40.78
33 14 19 00-0070			Corporation Stop And Curb Valve (33 14 19 00-0001)		
			Note: AWWA C800		
33 14 19 00-0071			Ball Corporation Valves (33 14 19 00-0070)		
			Note: Mueller B-25000.		
33 14 19 00-0072	EA		3/4" Ball Corporation Valve (Mueller B-25000)	82.67	23.79
33 14 19 00-0073	EA		1" Ball Corporation Valve (Mueller B-25000)	103.63	29.46
33 14 19 00-0074	EA		1-1/2" Ball Corporation Valve (Mueller B-25000)	181.54	43.06
33 14 19 00-0075	EA		2" Ball Corporation Valve (Mueller B-25000)	267.81	50.98
33 14 19 00-0076			Gate Valve, AWWA C500 And C509 (33 14 19 00-0001)		
33 14 19 00-0077			Gate Valve, Flanged (33 14 19 00-0076)		
			Note: Mueller A-2380-6.		
33 14 19 00-0078	EA		2" Gate Valve, Flanged	432.57	151.02
33 14 19 00-0079	EA		2-1/2" Gate Valve, Flanged	497.03	164.28
33 14 19 00-0080	EA		3" Gate Valve, Flanged	586.44	192.61
33 14 19 00-0081	EA		4" Gate Valve, Flanged	868.59	241.32
33 14 19 00-0082	EA		6" Gate Valve, Flanged	1,027.61	407.88
33 14 19 00-0083	EA		8" Gate Valve, Flanged	1,453.67	521.17
33 14 19 00-0084	EA		10" Gate Valve, Flanged	2,074.30	634.47
33 14 19 00-0085	EA		12" Gate Valve, Flanged	2,498.59	475.85
33 14 19 00-0086	EA		14" Gate Valve, Flanged	4,900.79	965.15
33 14 19 00-0087	EA		16" Gate Valve, Flanged	6,263.83	1,061.66
33 14 19 00-0088	EA		18" Gate Valve, Flanged	9,552.45	1,177.47
33 14 19 00-0089	EA		20" Gate Valve, Flanged	11,363.81	1,327.08
33 14 19 00-0090			Resilient Wedge Gate Valve, Flanged (33 14 19 00-0076)		
			Note: Mueller A-2360-6.		
33 14 19 00-0091	EA		2" Resilient Wedge Gate Valve, Flanged	418.78	151.02
33 14 19 00-0092	EA		2-1/2" Resilient Wedge Gate Valve, Flanged	480.55	164.28
33 14 19 00-0093	EA		3" Resilient Wedge Gate Valve, Flanged	566.89	192.61
33 14 19 00-0094	EA		4" Resilient Wedge Gate Valve, Flanged	846.74	241.32
33 14 19 00-0095	EA		6" Resilient Wedge Gate Valve, Flanged	998.40	407.88
33 14 19 00-0096	EA		8" Resilient Wedge Gate Valve, Flanged	1,408.04	521.17
33 14 19 00-0097	EA		10" Resilient Wedge Gate Valve, Flanged	2,001.78	634.47
33 14 19 00-0098	EA		12" Resilient Wedge Gate Valve, Flanged	2,411.03	475.85
33 14 19 00-0099			Gate Valve, Mechanical Joint (33 14 19 00-0076)		
			Note: Mueller A-2380-20.		
33 14 19 00-0100	EA		2" Gate Valve, Mechanical Joint	519.40	120.67
33 14 19 00-0101	EA		2-1/2" Gate Valve, Mechanical Joint	587.93	151.25
33 14 19 00-0102	EA		3" Gate Valve, Mechanical Joint	730.04	182.97
33 14 19 00-0103	EA		4" Gate Valve, Mechanical Joint	899.10	241.32
33 14 19 00-0104	EA		6" Gate Valve, Mechanical Joint	1,105.57	283.24
33 14 19 00-0105	EA		8" Gate Valve, Mechanical Joint	1,518.45	339.89
33 14 19 00-0106	EA		10" Gate Valve, Mechanical Joint	2,096.42	396.54
33 14 19 00-0107	EA		12" Gate Valve, Mechanical Joint	2,599.07	475.85
33 14 19 00-0108	EA		14" Gate Valve, Mechanical Joint	5,150.72	591.15
33 14 19 00-0109	EA		16" Gate Valve, Mechanical Joint	6,544.60	663.53
33 14 19 00-0110	EA		18" Gate Valve, Mechanical Joint	10,056.28	735.93
33 14 19 00-0111	EA		20" Gate Valve, Mechanical Joint	11,906.43	829.42
33 14 19 00-0112			Resilient Wedge Gate Valve, Mechanical Joint (33 14 19 00-0076)		
			Note: Mueller A-2360-20.		
33 14 19 00-0113	EA		2" Resilient Wedge Gate Valve, Mechanical Joint	503.65	120.67
33 14 19 00-0114	EA		3" Resilient Wedge Gate Valve, Mechanical Joint	709.43	182.97
33 14 19 00-0115	EA		4" Resilient Wedge Gate Valve, Mechanical Joint	875.53	241.32
33 14 19 00-0116	EA		6" Resilient Wedge Gate Valve, Mechanical Joint	1,075.06	283.24
33 14 19 00-0117	EA		8" Resilient Wedge Gate Valve, Mechanical Joint	1,470.99	339.89
33 14 19 00-0118	EA		10" Resilient Wedge Gate Valve, Mechanical Joint	2,022.65	396.54
33 14 19 00-0119	EA		12" Resilient Wedge Gate Valve, Mechanical Joint	2,505.81	475.85
33 14 19 00-0120			Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint (33 14 19 00-0076)		
			Note: Mueller A-2361.		
33 14 19 00-0121	EA		14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	5,046.72	965.15
33 14 19 00-0122	EA		16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	5,493.55	1,061.66
33 14 19 00-0123	EA		18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	8,290.50	1,177.47
33 14 19 00-0124	EA		20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	9,850.08	1,327.08

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 19 00-0125	EA	24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint		13,843.06	1,628.68
33 14 19 00-0126		Gate Valve, Threaded, WW-V-51 Class A, Type 1 <small>(33 14 19 00-0076)</small>			
		Note: NIBCO T-113.			
33 14 19 00-0127	EA	1/4" Gate Valve, Bronze, Threaded		46.72	19.82
33 14 19 00-0128	EA	3/8" Gate Valve, Bronze, Threaded		48.60	19.82
33 14 19 00-0129	EA	1/2" Gate Valve, Bronze, Threaded		49.55	19.82
33 14 19 00-0130	EA	3/4" Gate Valve, Bronze, Threaded		65.24	26.78
33 14 19 00-0131	EA	1" Gate Valve, Bronze, Threaded		79.72	32.37
33 14 19 00-0132	EA	1-1/4" Gate Valve, Bronze, Threaded		104.75	40.99
33 14 19 00-0133	EA	1-1/2" Gate Valve, Bronze, Threaded		121.22	47.39
33 14 19 00-0134	EA	2" Gate Valve, Bronze, Threaded		145.28	55.40
33 14 19 00-0135	EA	2-1/2" Gate Valve, Bronze, Threaded		240.91	75.57
33 14 19 00-0136	EA	3" Gate Valve, Bronze, Threaded		284.69	86.67
33 14 19 00-0137		Globe Valve, AWWA <small>(33 14 19 00-0001)</small>			
33 14 19 00-0138		Globe Valve, Threaded, WW-V-51 Class B, Type 1 <small>(33 14 19 00-0137)</small>			
		Note: NIBCO T-235.			
33 14 19 00-0139	EA	1/8" Globe Valve, Threaded		59.40	19.82
33 14 19 00-0140	EA	1/4" Globe Valve, Threaded		55.61	19.82
33 14 19 00-0141	EA	3/8" Globe Valve, Threaded		57.49	19.82
33 14 19 00-0142	EA	1/2" Globe Valve, Threaded		59.40	19.82
33 14 19 00-0143	EA	3/4" Globe Valve, Threaded		80.50	26.78
33 14 19 00-0144	EA	1" Globe Valve, Threaded		106.68	32.37
33 14 19 00-0145	EA	1-1/4" Globe Valve, Threaded		148.31	40.99
33 14 19 00-0146	EA	1-1/2" Globe Valve, Threaded		175.10	47.39
33 14 19 00-0147	EA	2" Globe Valve, Threaded		231.44	55.40
33 14 19 00-0148	EA	2-1/2" Globe Valve, Threaded		393.18	75.57
33 14 19 00-0149	EA	3" Globe Valve, Threaded		518.67	87.13
33 14 19 00-0150		Tapping Valve, AWWA C500 And C509 <small>(33 14 19 00-0001)</small>			
33 14 19 00-0151		Tapping Valve, AWWA C500 And C509 <small>(33 14 19 00-0150)</small>			
		Note: Flanged inlet X mechanical joint, Mueller H-667.			
33 14 19 00-0152	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint		563.97	151.02
33 14 19 00-0153	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint		725.29	192.61
33 14 19 00-0154	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint		1,002.72	241.32
33 14 19 00-0155	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint		1,232.57	407.88
33 14 19 00-0156	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint		1,716.52	521.17
33 14 19 00-0157	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint		2,393.73	634.47
33 14 19 00-0158	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint		3,398.05	475.85
33 14 19 00-0159	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint		5,825.98	965.15
33 14 19 00-0160	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint		7,243.53	1,061.66
33 14 19 00-0161	EA	18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint		11,289.62	1,177.47
33 14 19 00-0162		Accessories For Valves <small>(33 14 19)</small>			
33 14 19 00-0163	EA	1" Valve Extension Stem		91.57	
		For Each Additional LF, Add		6.06	
33 14 19 00-0164	EA	Up to 80" Long Indicator Post Telescoping Barrel Assembly		1,015.89	113.30
		Note: Excludes valve.			
33 14 19 00-0165	EA	>80" To 114" Long Indicator Post Telescoping Barrel Assembly		1,148.78	124.62
		Note: Excludes valve.			
33 14 19 00-0166		Roadway Or Curb Valve Boxes <small>(33 14 19)</small>			
		See CSI section 22 05 19 00-0000 for metering.			
33 14 19 00-0167		Round Head, Cast Iron Service, Roadway Or Valve Boxes <small>(33 14 19 00-0166)</small>			
33 14 19 00-0168	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box		152.74	14.95
		Note: Includes cover, top section and bottom section.			
33 14 19 00-0169	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box		174.17	14.95
		Note: Includes cover, top section and bottom section.			
33 14 19 00-0170	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box		175.16	14.95
		Note: Includes cover, top section and bottom section.			
33 14 19 00-0171	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box		49.94	7.48
33 14 19 00-0172	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box		55.62	7.48
33 14 19 00-0173	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box		64.16	7.48
33 14 19 00-0174	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box		225.10	18.69
		Note: Includes cover, top section and bottom section.			
33 14 19 00-0175	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box		381.47	26.17
		Note: Includes cover, top section, bottom section and #6 round base.			
33 14 19 00-0176	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box		421.45	26.17
		Note: Includes cover, top section, bottom section and #6 round base.			
33 14 19 00-0177	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box		233.03	18.69
		Note: Includes cover, top section and bottom section.			
33 14 19 00-0178	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box		242.58	18.69
		Note: Includes cover, top section and bottom section.			
33 14 19 00-0179	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box		235.28	18.69
		Note: Includes cover, top section and bottom section.			
33 14 19 00-0180	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box		86.22	7.48
33 14 19 00-0181	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes		155.57	30.78
33 14 19 00-0182	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes		159.91	32.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0183	EA		30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	177.63	33.24
33 14 19 00-0184	EA		36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box.....	232.59	35.09
33 14 19 00-0185	EA		48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	276.95	36.93
33 14 19 00-0186	EA		18" Cast Iron Service Box Extension Section.....	62.64	
33 14 19 00-0187			Plastic Roadway Grade Water Meter Box And Cover (33 14 19 00-0166)		
33 14 19 00-0188	EA		12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover.....	267.80	43.08
33 14 19 00-0189	EA		9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover.....	200.67	30.78
33 14 19 00-0190	EA		Cast Iron Lid For Plastic Meter Box.....	58.46	
33 14 19 00-0191			Fire Hydrants (33 14 19)		
			Note: Breakaway type.		
33 14 19 00-0192			Three Way, Standard (Traditional) Model Fire Hydrant (33 14 19 00-0191)		
			Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0193	EA		1-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,763.30	308.68
33 14 19 00-0194	EA		2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,813.06	308.68
33 14 19 00-0195	EA		2-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,862.95	308.68
33 14 19 00-0196	EA		3" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,934.66	330.74
33 14 19 00-0197	EA		3-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,984.47	330.74
33 14 19 00-0198	EA		4" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,061.87	358.29
33 14 19 00-0199	EA		4-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,111.60	358.29
33 14 19 00-0200	EA		5" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,189.05	385.86
33 14 19 00-0201	EA		5-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,238.85	385.86
33 14 19 00-0202	EA		6" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,316.13	413.41
33 14 19 00-0203	EA		6-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,393.49	440.98
33 14 19 00-0204	EA		7" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,498.32	496.10
33 14 19 00-0205	EA		1-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,808.71	308.68
33 14 19 00-0206	EA		2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,873.29	308.68
33 14 19 00-0207	EA		2-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,937.70	308.68
33 14 19 00-0208	EA		3" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,024.18	330.74
33 14 19 00-0209	EA		3-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,088.60	330.74
33 14 19 00-0210	EA		4" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,180.80	358.29
33 14 19 00-0211	EA		4-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,245.14	358.29
33 14 19 00-0212	EA		5" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,337.19	385.86
33 14 19 00-0213	EA		5-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,401.59	385.86
33 14 19 00-0214	EA		6" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,493.44	413.41
33 14 19 00-0215	EA		6-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,585.59	440.98
33 14 19 00-0216	EA		7" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,705.01	496.10
33 14 19 00-0217			Two Way, Standard (Traditional) Model Fire Hydrant (33 14 19 00-0191)		
			Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0218	EA		1-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,490.17	308.68
33 14 19 00-0219	EA		2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,539.75	308.68
33 14 19 00-0220	EA		2-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,589.62	308.68
33 14 19 00-0221	EA		3" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,661.54	330.74
33 14 19 00-0222	EA		3-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,711.19	330.74
33 14 19 00-0223	EA		4" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,788.48	358.29
33 14 19 00-0224	EA		4-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,838.29	358.29
33 14 19 00-0225	EA		5" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,915.78	385.86
33 14 19 00-0226	EA		5-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,965.48	385.86
33 14 19 00-0227	EA		6" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,043.03	413.41
33 14 19 00-0228	EA		6-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,120.07	440.98
33 14 19 00-0229	EA		7" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,225.01	496.10
33 14 19 00-0230	EA		1-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,560.31	308.68
33 14 19 00-0231	EA		2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,624.74	308.68
33 14 19 00-0232	EA		2-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,689.08	308.68
33 14 19 00-0233	EA		3" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,775.72	330.74
33 14 19 00-0234	EA		3-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,839.97	330.74
33 14 19 00-0235	EA		4" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,932.07	358.29
33 14 19 00-0236	EA		4-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,996.35	358.29
33 14 19 00-0237	EA		5" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,088.61	385.86
33 14 19 00-0238	EA		5-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,152.87	385.86
33 14 19 00-0239	EA		6" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,244.95	413.41
33 14 19 00-0240	EA		6-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,336.77	440.98
33 14 19 00-0241	EA		7" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,456.55	496.10
33 14 19 00-0242			Three Way, Modern Model Fire Hydrant (33 14 19 00-0191)		
			Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0243	EA		1-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,879.43	308.68
33 14 19 00-0244	EA		2" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,943.77	308.68
33 14 19 00-0245	EA		2-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,008.30	308.68
33 14 19 00-0246	EA		3" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,094.80	330.74
33 14 19 00-0247	EA		3-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,159.19	330.74
33 14 19 00-0248	EA		4" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,251.15	358.29
33 14 19 00-0249	EA		4-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,315.62	358.29
33 14 19 00-0250	EA		5" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,407.62	385.86
33 14 19 00-0251	EA		5-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,472.02	385.86
33 14 19 00-0252	EA		6" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,563.99	385.86
33 14 19 00-0253	EA		6-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,656.16	440.98
33 14 19 00-0254	EA		7" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,774.92	440.98

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COSTMINOR
CSI UOM DESCRIPTION

		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0255 Two Way, Modern Model Fire Hydrant (33 14 19 00-0191)			
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).			
33 14 19 00-0256	EA 1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,072.73	308.68
33 14 19 00-0257	EA 2' Burial Section, Two Way, Modern Type Fire Hydrant	2,121.69	308.68
33 14 19 00-0258	EA 2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,171.19	308.68
33 14 19 00-0259	EA 3' Burial Section, Two Way, Modern Type Fire Hydrant	2,241.64	330.74
33 14 19 00-0260	EA 3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,290.58	330.74
33 14 19 00-0261	EA 4' Burial Section, Two Way, Modern Type Fire Hydrant	2,367.07	358.29
33 14 19 00-0262	EA 4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,416.00	358.29
33 14 19 00-0263	EA 5' Burial Section, Two Way, Modern Type Fire Hydrant	2,492.58	385.86
33 14 19 00-0264	EA 5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,541.38	385.86
33 14 19 00-0265	EA 6' Burial Section, Two Way, Modern Type Fire Hydrant	2,617.89	413.41
33 14 19 00-0266	EA 6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,694.47	440.98
33 14 19 00-0267	EA 7' Burial Section, Two Way, Modern Type Fire Hydrant	2,797.92	496.10
33 14 19 00-0268 Fire Hydrant Extension Kits (33 14 19 00-0191)			
33 14 19 00-0269	EA 6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	444.82	27.57
33 14 19 00-0270	EA 12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	530.40	34.45
33 14 19 00-0271	EA 18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	582.66	41.34
33 14 19 00-0272	EA 24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	666.70	50.99
33 14 19 00-0273	EA 30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	980.36	53.06
33 14 19 00-0274	EA 36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,045.38	55.12
33 14 19 00-0275	EA 42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,063.40	57.88
33 14 19 00-0276	EA 48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,124.15	62.01
33 14 19 00-0277	EA 54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,246.00	74.41
33 14 19 00-0278	EA 60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,327.04	89.57
33 14 19 00-0279	EA 6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	494.45	30.87
33 14 19 00-0280	EA 12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	587.86	37.49
33 14 19 00-0281	EA 18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	676.59	45.20
33 14 19 00-0282	EA 24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	762.31	56.23
33 14 19 00-0283	EA 30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,023.34	58.43
33 14 19 00-0284	EA 36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,089.32	60.63
33 14 19 00-0285	EA 42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,136.40	63.94
33 14 19 00-0286	EA 48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,322.47	68.35
33 14 19 00-0287	EA 54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,457.01	81.58
33 14 19 00-0288	EA 60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,544.89	98.12
33 14 19 00-0289 Remove And Reinstall Standard Fire Hydrant (33 14 19 00-0191)			
Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.			
33 14 19 00-0290	EA Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	881.95	
33 14 19 00-0291	EA >5' Burial Section, Removal And Reinstallation Of Fire Hydrant	1,286.18	
33 14 19 00-0292	EA Reset Fire Hydrant Upper Barrel	1,025.17	
Note: Includes Safety Repair Kit			
33 14 23 Enclosures for Water Utility Piping and Valves (33 14)			
See CSI section 22 11 19 00-0349 for Enclosures.			
33 16 Water Utility Storage Tanks (33 10)			
33 16 23 Ground-Level Steel Water Storage Tanks (33 16)			
See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.			
33 19 Water Utility Metering Equipment (33 10)			
33 19 11 Water Utility Metering (33 19)			
33 19 11 00-0001 Bronze Disk Type Water Service Meters (33 19 11)			
33 19 11 00-0002	EA 5/8" Diameter, 0 - 20 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	173.09	64.02
33 19 11 00-0003	EA 3/4" Diameter, 0 - 30 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	214.95	76.32
33 19 11 00-0004	EA 1" Diameter, 0 - 50 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	279.72	87.40
33 19 11 00-0005	EA 1-1/2" Diameter, 0 - 100 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	520.93	130.49
33 19 11 00-0006	EA 2" Diameter, 0 - 160 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	702.07	169.88
33 19 11 00-0007 Flanged Compound Type Water Service Meter (33 19 11)			
33 19 11 00-0008	EA 2" Diameter, 0 - 160 GPM Water Service Meter Compound Type, Flanged And Bronze	1,654.28	151.02
33 19 11 00-0009	EA 3" Diameter, 0 - 320 GPM Water Service Meter Compound Type, Flanged And Bronze	1,940.87	192.61
33 19 11 00-0010	EA 4" Diameter, 0 - 500 GPM Water Service Meter Compound Type, Flanged And Bronze	3,281.34	364.82
33 19 11 00-0011	EA 6" Diameter, 0 - 1,000 GPM Water Service Meter Compound Type, Flanged And Bronze	4,472.39	407.88
33 19 11 00-0012	EA 8" Diameter, 0 - 1,600 GPM Water Service Meter Compound Type, Flanged And Bronze	9,056.88	521.17
33 19 11 00-0013	EA 10" Diameter, 0 - 2,500 GPM Water Service Meter Compound Type, Flanged And Bronze	15,406.24	634.47
33 19 11 00-0014 Flanged Electromagnetic Flow (EMF) Water Meter (33 19 11)			
33 19 11 00-0015	EA 2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	4,910.27	151.02
33 19 11 00-0016	EA 3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	6,780.58	192.61
33 19 11 00-0017	EA 4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	7,855.84	364.82
33 19 11 00-0018 Flanged Turbine Water Service Meter (33 19 11)			

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

33 19 11 00-0019 Vertical Turbine Meters <small>(33 19 11 00-0018)</small>				
33 19 11 00-0020	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged	463.39	118.96
33 19 11 00-0021	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged.....	636.87	151.02
33 19 11 00-0022	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged.....	1,033.76	192.61
33 19 11 00-0023	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged.....	1,628.40	364.82
33 19 11 00-0024	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged.....	2,855.29	407.88

33 19 11 00-0025 Horizontal Turbine Meters <small>(33 19 11 00-0018)</small>				
33 19 11 00-0026	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	672.94	118.96
33 19 11 00-0027	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged	936.03	151.02
33 19 11 00-0028	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged.....	1,153.69	192.61
33 19 11 00-0029	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged	1,786.94	364.82
33 19 11 00-0030	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged	3,432.92	407.88
33 19 11 00-0031	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged	4,577.81	521.17
33 19 11 00-0032	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged	6,354.35	634.47
33 19 11 00-0033	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged	8,601.30	1,280.26

33 30 Sanitary Sewerage Utilities (33)

33 31 Sanitary Sewerage Piping (33 30)

33 31 11 Public Sanitary Sewerage Gravity Piping (33 31)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 11 00-0001 Plastic Sewer And Drain Piping <small>(33 31 11)</small>				
33 31 11 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe <small>(33 31 11 00-0001)</small>				
33 31 11 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	9.15	4.36
33 31 11 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	10.87	5.14
33 31 11 00-0005	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.68	6.24
33 31 11 00-0006	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.28	7.27
33 31 11 00-0007	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	19.95	8.45
33 31 11 00-0008	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	24.40	9.83
33 31 11 00-0009	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	28.26	10.18
33 31 11 00-0010	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	25.07	6.71

33 31 11 00-0011 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe <small>(33 31 11 00-0001)</small>				
Note: D-2729 PVC pipe.				
33 31 11 00-0012	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.48	6.24
33 31 11 00-0013	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	15.80	7.27
33 31 11 00-0014	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	19.38	8.45

33 31 11 00-0015 Polyvinyl Chloride (PVC) Sewer And Drain Fittings <small>(33 31 11 00-0001)</small>				
33 31 11 00-0016 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>				
33 31 11 00-0017	EA	1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	23.92	15.15
33 31 11 00-0018	EA	2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	30.84	19.60
33 31 11 00-0019	EA	3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	44.21	26.32
33 31 11 00-0020	EA	4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	55.46	30.43
33 31 11 00-0021	EA	6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	119.50	39.54
33 31 11 00-0022	EA	8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	182.79	53.22
33 31 11 00-0023	EA	10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	242.19	70.89

33 31 11 00-0024 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>				
33 31 11 00-0025	EA	1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	24.19	15.15
33 31 11 00-0026	EA	2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	30.82	19.60
33 31 11 00-0027	EA	3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	43.80	26.32
33 31 11 00-0028	EA	4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	53.46	30.43
33 31 11 00-0029	EA	6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	114.41	39.54
33 31 11 00-0030	EA	8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	170.96	53.22
33 31 11 00-0031	EA	10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	207.39	70.89
33 31 11 00-0032	EA	12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	294.74	94.41

33 31 11 00-0033 Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>				
33 31 11 00-0034	EA	1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	26.96	14.93
33 31 11 00-0035	EA	2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	32.75	19.60
33 31 11 00-0036	EA	3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	50.00	26.90
33 31 11 00-0037	EA	4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	68.05	32.82
33 31 11 00-0038	EA	6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	99.61	37.95
33 31 11 00-0039	EA	8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	145.15	43.30
33 31 11 00-0040	EA	10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	211.21	50.48
33 31 11 00-0041	EA	12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	297.00	58.85

33 31 11 00-0042 1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>				
33 31 11 00-0043	EA	1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	24.78	15.15
33 31 11 00-0044	EA	2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	31.42	19.60

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 31 11 00-0045	EA	3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	45.49		26.32
33 31 11 00-0046	EA	4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	56.62		30.43
33 31 11 00-0047	EA	6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	136.43		39.54
33 31 11 00-0048	EA	8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	207.43		53.22
33 31 11 00-0049	EA	10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	247.79		70.89
33 31 11 00-0050	EA	12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	281.27		94.41
33 31 11 00-0051		Reducers, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0052	EA	2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	28.34		17.30
33 31 11 00-0053	EA	3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	38.53		20.65
33 31 11 00-0054	EA	3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	40.51		22.77
33 31 11 00-0055	EA	4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	49.87		24.89
33 31 11 00-0056	EA	4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	55.46		28.24
33 31 11 00-0057	EA	6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	105.49		34.95
33 31 11 00-0058	EA	8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	189.25		46.34
33 31 11 00-0059	EA	10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	102.18		50.60
33 31 11 00-0060	EA	10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	123.74		55.19
33 31 11 00-0061	EA	10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	128.14		61.99
33 31 11 00-0062	EA	12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	220.29		67.00
33 31 11 00-0063	EA	12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	236.46		73.79
33 31 11 00-0064	EA	12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	256.04		82.64
33 31 11 00-0065		Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0066	EA	1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	36.44		22.91
33 31 11 00-0067	EA	2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	47.38		29.63
33 31 11 00-0068	EA	3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	66.72		39.09
33 31 11 00-0069	EA	4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	88.10		48.55
33 31 11 00-0070	EA	6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	168.97		53.22
33 31 11 00-0071	EA	8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	221.68		70.89
33 31 11 00-0072		Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0073	EA	1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	38.55		22.91
33 31 11 00-0074	EA	2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	48.62		29.63
33 31 11 00-0075	EA	3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	68.29		39.09
33 31 11 00-0076	EA	4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	90.66		48.55
33 31 11 00-0077	EA	6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	159.34		53.22
33 31 11 00-0078	EA	8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	203.39		70.89
33 31 11 00-0079	EA	10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	269.13		94.59
33 31 11 00-0080	EA	12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	395.89		126.22
33 31 11 00-0081		Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0082	EA	2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	41.86		22.91
33 31 11 00-0083	EA	2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	51.85		29.63
33 31 11 00-0084	EA	3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	66.11		39.09
33 31 11 00-0085	EA	4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	87.14		48.55
33 31 11 00-0086	EA	4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	89.55		48.55
33 31 11 00-0087		Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0088	EA	1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	53.37		29.63
33 31 11 00-0089	EA	2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	70.24		39.09
33 31 11 00-0090	EA	3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	108.97		52.76
33 31 11 00-0091	EA	4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	156.31		63.82
33 31 11 00-0092	EA	2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	69.24		39.09
33 31 11 00-0093	EA	3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	101.33		52.76
33 31 11 00-0094	EA	4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	143.70		63.82
33 31 11 00-0095		Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0096	EA	1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	41.18		22.91
33 31 11 00-0097	EA	2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	52.73		29.63
33 31 11 00-0098	EA	3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	80.65		39.09
33 31 11 00-0099	EA	4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	118.38		48.55
33 31 11 00-0100	EA	2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	61.68		29.63
33 31 11 00-0101	EA	3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	88.76		39.09
33 31 11 00-0102	EA	3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	77.48		39.09
33 31 11 00-0103	EA	4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	114.58		48.55
33 31 11 00-0104	EA	4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	118.06		48.55
33 31 11 00-0105		Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0106	EA	1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	55.41		29.63
33 31 11 00-0107	EA	2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	70.47		39.09
33 31 11 00-0108	EA	3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	99.58		52.76
33 31 11 00-0109	EA	4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	203.71		63.82
33 31 11 00-0110	EA	6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	497.96		70.66

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

33 31 11 00-0111 Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)						
33 31 11 00-0112	EA			4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	253.09	124.16
33 31 11 00-0113	EA			6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	434.42	160.17
33 31 11 00-0114	EA			8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	580.42	225.72
33 31 11 00-0115	EA			10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	865.26	363.11
33 31 11 00-0116 Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)						
33 31 11 00-0117	EA			1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	23.83	15.15
33 31 11 00-0118	EA			2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	30.34	19.49
33 31 11 00-0119	EA			3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	42.16	26.09
33 31 11 00-0120	EA			4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	50.45	30.43
33 31 11 00-0121	EA			6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	86.22	39.54
33 31 11 00-0122	EA			8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	157.36	53.22
33 31 11 00-0123	EA			10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	226.61	70.89
33 31 11 00-0124	EA			12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	346.63	94.41
33 31 11 00-0125 Adapters, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)						
33 31 11 00-0126	EA			4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting	123.69	79.54
33 31 11 00-0127	EA			2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	92.15	60.50
33 31 11 00-0128	EA			2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	92.79	60.50
33 31 11 00-0129	EA			3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	94.51	60.50
33 31 11 00-0130	EA			4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	124.16	79.54
33 31 11 00-0131	EA			4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	122.79	79.54
33 31 11 00-0132	EA			4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	120.53	79.54
33 31 11 00-0133	EA			4" Drain Grate, Drain And Sewer Fitting	62.93	40.91
33 31 11 00-0134 Caps, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)						
33 31 11 00-0135	EA			3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	28.43	16.29
33 31 11 00-0136	EA			4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	39.31	20.29
33 31 11 00-0137	EA			6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	60.60	26.21
33 31 11 00-0138 Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)						
33 31 11 00-0139	EA			1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	23.52	15.15
33 31 11 00-0140	EA			2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	30.43	19.60
33 31 11 00-0141	EA			3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	42.09	26.32
33 31 11 00-0142	EA			4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	50.48	30.43
33 31 11 00-0143	EA			6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	72.29	39.54
33 31 11 00-0144	EA			8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	163.03	53.22
33 31 11 00-0145 Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)						
Note: ASTM 3034.						
33 31 11 00-0146	LF			4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	17.87	7.27
33 31 11 00-0147	LF			6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	23.26	8.45
33 31 11 00-0148	LF			8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	30.46	9.83
33 31 11 00-0149	LF			10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	36.55	10.18
33 31 11 00-0150	LF			12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	43.89	10.54
33 31 11 00-0151	LF			15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	56.04	10.91
33 31 11 00-0152	LF			18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	69.92	11.31
33 31 11 00-0153	LF			21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	89.79	12.28
33 31 11 00-0154	LF			24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	108.20	13.25
33 31 11 00-0155	LF			27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	134.14	15.54
33 31 11 00-0156 Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)						
Note: ASTM 3034.						
33 31 11 00-0157	LF			4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	16.46	7.27
33 31 11 00-0158	LF			6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	20.76	8.45
33 31 11 00-0159	LF			8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	26.39	9.83
33 31 11 00-0160 Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings (33 31 11 00-0001)						
Note: ASTM 3034.						
33 31 11 00-0161 1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)						
33 31 11 00-0162	EA			4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	71.92	28.42
33 31 11 00-0163	EA			6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	100.23	33.05
33 31 11 00-0164	EA			8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	187.66	37.46
33 31 11 00-0165	EA			10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	493.46	44.06
33 31 11 00-0166	EA			12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	637.10	56.18
33 31 11 00-0167 1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)						
33 31 11 00-0168	EA			4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	66.87	28.42
33 31 11 00-0169	EA			6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	94.67	33.05
33 31 11 00-0170	EA			8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	173.59	37.46
33 31 11 00-0171	EA			10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	361.03	44.06
33 31 11 00-0172	EA			12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	511.18	56.18
33 31 11 00-0173	EA			15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,067.16	79.32

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 31 11 00-0174	EA	18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,683.75	112.37
33 31 11 00-0175	EA	21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,782.27	148.72
33 31 11 00-0176	EA	24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	3,790.55	198.29
33 31 11 00-0177 Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)				
33 31 11 00-0178	EA	4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	108.60	42.64
33 31 11 00-0179	EA	6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	160.00	47.26
33 31 11 00-0180	EA	6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	177.37	49.58
33 31 11 00-0181	EA	8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	193.83	51.89
33 31 11 00-0182	EA	8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	218.35	54.20
33 31 11 00-0183	EA	8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	385.47	56.52
33 31 11 00-0184	EA	10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	483.65	57.83
33 31 11 00-0185	EA	10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	544.69	60.59
33 31 11 00-0186	EA	10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	785.93	62.90
33 31 11 00-0187	EA	10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,013.43	66.10
33 31 11 00-0188	EA	12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	594.57	70.40
33 31 11 00-0189	EA	12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	629.78	72.71
33 31 11 00-0190	EA	12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	878.78	75.02
33 31 11 00-0191	EA	12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,246.78	78.22
33 31 11 00-0192	EA	12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,402.39	84.28
33 31 11 00-0193 Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)				
33 31 11 00-0194	EA	4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	104.68	42.64
33 31 11 00-0195	EA	6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	146.96	47.26
33 31 11 00-0196	EA	6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	159.84	49.58
33 31 11 00-0197	EA	8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	188.23	51.89
33 31 11 00-0198	EA	8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	211.67	54.20
33 31 11 00-0199	EA	8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	305.75	56.52
33 31 11 00-0200	EA	10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	446.06	58.28
33 31 11 00-0201	EA	10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	455.82	60.59
33 31 11 00-0202	EA	10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	666.27	62.90
33 31 11 00-0203	EA	10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	734.88	66.10
33 31 11 00-0204	EA	12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	562.98	70.40
33 31 11 00-0205	EA	12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	580.72	72.71
33 31 11 00-0206	EA	12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	811.53	75.02
33 31 11 00-0207	EA	12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	969.42	78.22
33 31 11 00-0208	EA	12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,014.02	84.28
33 31 11 00-0209	EA	15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,247.93	101.36
33 31 11 00-0210	EA	15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,381.03	107.41
33 31 11 00-0211	EA	15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,716.07	118.98
33 31 11 00-0212 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)				
33 31 11 00-0213	EA	4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	71.47	28.42
33 31 11 00-0214	EA	6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	103.20	33.05
33 31 11 00-0215	EA	8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	144.52	37.68
33 31 11 00-0216	EA	10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	254.87	44.06
33 31 11 00-0217	EA	12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	357.21	56.18
33 31 11 00-0218	EA	15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	677.51	79.32
33 31 11 00-0219	EA	18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,248.81	112.37
33 31 11 00-0220	EA	21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,056.97	148.72
33 31 11 00-0221	EA	24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,965.97	198.29
33 31 11 00-0222 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)				
33 31 11 00-0223	EA	6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	120.40	30.74
33 31 11 00-0224	EA	8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	164.90	33.05
33 31 11 00-0225	EA	8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	174.25	35.36
33 31 11 00-0226	EA	10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	364.03	38.56
33 31 11 00-0227	EA	10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	416.00	40.88
33 31 11 00-0228	EA	12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	464.10	44.62
33 31 11 00-0229	EA	12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	529.71	46.93
33 31 11 00-0230	EA	12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	604.78	50.13
33 31 11 00-0231	EA	15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	905.24	67.75
33 31 11 00-0232 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)				
33 31 11 00-0233	EA	6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	104.90	30.74
33 31 11 00-0234	EA	8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	135.80	33.05
33 31 11 00-0235	EA	8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	138.21	35.36
33 31 11 00-0236	EA	10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	215.33	38.56
33 31 11 00-0237	EA	10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	225.45	40.88
33 31 11 00-0238	EA	10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	399.47	44.62
33 31 11 00-0239	EA	12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	247.68	46.93
33 31 11 00-0240	EA	12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	266.64	50.13
33 31 11 00-0241	EA	12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	547.60	67.75
33 31 11 00-0242	EA	12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	638.90	84.28
33 31 11 00-0243	EA	15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	294.51	101.36
33 31 11 00-0244	EA	15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	311.06	107.41

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-------------	------------------------	----------------------

33 31 11 00-0245	Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0246	EA 6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	110.56	
33 31 11 00-0247	EA 8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	135.80	
33 31 11 00-0248	EA 8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	145.92	
33 31 11 00-0249	EA 10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	200.33	
33 31 11 00-0250	EA 10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	224.24	
33 31 11 00-0251	EA 10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	323.94	
33 31 11 00-0252	EA 12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	246.48	
33 31 11 00-0253	EA 12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	265.50	
33 31 11 00-0254	EA 12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	378.48	
33 31 11 00-0255	EA 12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	452.21	
33 31 11 00-0256	EA 15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	293.77	
33 31 11 00-0257	EA 15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	305.46	
33 31 11 00-0258	EA 15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	472.51	
33 31 11 00-0259	EA 15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	517.00	
33 31 11 00-0260	EA 15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	708.25	

33 31 11 00-0261 **Couplings And Plug Fittings** (33 31 11)
33 31 11 00-0262 **Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC)**

Flexible Pipe Couplings <small>(33 31 11 00-0261)</small>			
Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.			
33 31 11 00-0263	EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	19.62	7.47
33 31 11 00-0264	EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	21.53	8.71
33 31 11 00-0265	EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	24.63	9.96
33 31 11 00-0266	EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	27.69	10.58
33 31 11 00-0267	EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	33.06	11.20
33 31 11 00-0268	EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	38.47	12.45
33 31 11 00-0269	EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	47.56	13.69
33 31 11 00-0270	EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	57.49	14.31
33 31 11 00-0271	EA 12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212)	90.36	14.93
33 31 11 00-0272	EA 15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515)	120.53	16.18
33 31 11 00-0273	EA 18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818)	224.82	16.80
33 31 11 00-0274	EA 21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121)	260.20	17.74
33 31 11 00-0275	EA 24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424)	287.70	18.67
33 31 11 00-0276	EA 27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727)	343.66	19.91

33 31 11 00-0277	Cast Iron Service Saddles With U Bolt <small>(33 31 11)</small>		
33 31 11 00-0278	EA 2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	120.06	
33 31 11 00-0279	EA 3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	120.52	
33 31 11 00-0280	EA 3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	133.01	
33 31 11 00-0281	EA 4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	128.04	
33 31 11 00-0282	EA 4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	143.68	
33 31 11 00-0283	EA 4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	160.47	
33 31 11 00-0284	EA 4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	189.63	
33 31 11 00-0285	EA 6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	158.91	
33 31 11 00-0286	EA 6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	173.62	
33 31 11 00-0287	EA 6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	200.86	
33 31 11 00-0288	EA 4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	130.64	
33 31 11 00-0289	EA 4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	143.13	
33 31 11 00-0290	EA 4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	166.54	
33 31 11 00-0291	EA 4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	197.09	
33 31 11 00-0292	EA 6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	210.15	

33 32 Sanitary Sewerage Equipment (33 30)

33 32 16 Packaged Wastewater Grinder Pump Assemblies (33 32)

33 32 16 00-0001	Submersible Grinder Pumps, Cast Iron With Bronze Impeller <small>(33 32 16)</small>		
33 32 16 00-0002	EA 2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	2,201.83	392.15
	Note: Zoeller 840 series.		
33 32 16 00-0003	EA 2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	2,172.53	392.15
	Note: Zoeller 840 series.		
33 32 16 00-0004	EA Simplex Control Panel With Auto Reversing Switch	1,022.25	130.67
	Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0005	EA Duplex Control Panel With Auto Reversing Switch.....	1,566.81	130.67
	Note: For Zoeller 840 series grinder pump.		

33 32 16 00-0006	Submersible Grinder Pumps <small>(33 32 16)</small>		
Note: Includes 50' of cord with pumps unless otherwise noted.			
33 32 16 00-0007	EA 3 HP Submersible Grinder Pump @ 1,750 RPM, Explosion Proof	6,234.03	872.03
33 32 16 00-0008	EA 5 HP Submersible Grinder Pump @ 1,750 RPM, Explosion Proof	7,529.25	1,121.18
33 32 16 00-0009	EA 2 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof	3,795.51	747.46
33 32 16 00-0010	EA 3 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof	5,621.41	872.03
33 32 16 00-0011	EA 5 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof	6,895.16	1,121.18

33 34 Onsite Wastewater Disposal (33 30)

Note: Excludes distribution field piping, trenching or excavation.

33 Utilities**33 30 Sanitary Sewerage Utilities****33 34 Onsite Wastewater Disposal**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**33 34 13 Septic Tanks (33 34)****33 34 13 13 Concrete Septic Tanks (33 34 13)****33 34 13 13-0001 Precast Concrete Septic Tank (33 34 13 13)**

Note: Includes external coating.

33 34 13 13-0002	EA	1,000 Gallon Precast Septic Tank.....	2,748.40	747.46
		<i>For Non-Traffic Rated, Deduct</i>	<i>-457.62</i>	
33 34 13 13-0003	EA	1,250 Gallon Precast Septic Tank.....	3,262.04	825.06
		<i>For Non-Traffic Rated, Deduct</i>	<i>-562.27</i>	
33 34 13 13-0004	EA	1,500 Gallon Precast Septic Tank.....	3,757.61	902.54
		<i>For Non-Traffic Rated, Deduct</i>	<i>-662.38</i>	
33 34 13 13-0005	EA	2,000 Gallon Precast Septic Tank.....	4,722.70	981.03
		<i>For Non-Traffic Rated, Deduct</i>	<i>-880.43</i>	
33 34 13 13-0006	EA	2,500 Gallon Precast Septic Tank.....	5,730.17	1,354.75
		<i>For Non-Traffic Rated, Deduct</i>	<i>-1,018.15</i>	
33 34 13 13-0007	EA	4,000 Gallon Precast Septic Tank.....	14,276.88	1,868.62
		<i>For Non-Traffic Rated, Deduct</i>	<i>-2,996.18</i>	
33 34 13 13-0008	EA	5,000 Gallon Precast Septic Tank.....	25,625.14	2,802.95
		<i>For Non-Traffic Rated, Deduct</i>	<i>-5,549.16</i>	
33 34 13 13-0009	EA	7,500 Gallon Precast Septic Tank.....	29,154.94	3,924.12
		<i>For Non-Traffic Rated, Deduct</i>	<i>-6,094.89</i>	
33 34 13 13-0010	EA	10,000 Gallon Precast Septic Tank.....	35,692.90	4,694.99
		<i>For Non-Traffic Rated, Deduct</i>	<i>-7,490.61</i>	
33 34 13 13-0011	EA	12,500 Gallon Precast Septic Tank.....	42,356.39	5,816.17
		<i>For Non-Traffic Rated, Deduct</i>	<i>-8,798.33</i>	

33 34 13 23 Fiberglass Septic Tank (33 34 13)**33 34 13 23-0001 Fiberglass Septic Tank (33 34 13 23)**

33 34 13 23-0002	EA	1,000 Gallon Fiberglass Septic Tank.....	1,504.95	560.59
33 34 13 23-0003	EA	1,250 Gallon Fiberglass Septic Tank.....	1,920.76	747.46
33 34 13 23-0004	EA	1,500 Gallon Fiberglass Septic Tank.....	1,996.26	677.44
33 34 13 23-0005	EA	2,000 Gallon Fiberglass Septic Tank.....	2,441.27	733.38
33 34 13 23-0006	EA	2,500 Gallon Fiberglass Septic Tank.....	3,036.44	1,016.53
33 34 13 23-0007	EA	4,000 Gallon Fiberglass Septic Tank.....	6,918.40	1,401.47
33 34 13 23-0008	EA	5,000 Gallon Fiberglass Septic Tank.....	12,192.18	2,102.21
33 34 13 23-0009	EA	7,500 Gallon Fiberglass Septic Tank.....	14,155.41	2,943.08
33 34 13 23-0010	EA	10,000 Gallon Fiberglass Septic Tank.....	17,306.07	3,517.64

33 34 13 33 Polyethylene Septic Tank (33 34 13)**33 34 13 33-0001 High Density Polyethylene (HDPE) Septic Tank (33 34 13 33)**

33 34 13 33-0002	EA	300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	927.97	226.59
33 34 13 33-0003	EA	500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,348.75	254.92
33 34 13 33-0004	EA	900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,832.78	311.57
33 34 13 33-0005	EA	1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,905.24	339.89
33 34 13 33-0006	EA	1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,185.97	368.22
33 34 13 33-0007	EA	1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,584.35	396.54
33 34 13 33-0008	EA	750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,825.55	283.24
33 34 13 33-0009	EA	1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,017.28	339.89
33 34 13 33-0010	EA	1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,345.63	368.22
33 34 13 33-0011	EA	1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,724.40	396.54

33 34 51 Drainage Field System (33 34)**33 34 51 00-0001 Leaching Pit - Precast Concrete (33 34 51)**

Note: Includes external coating.

33 34 51 00-0002	EA	3' Diameter, 3' High, Precast Concrete Leaching Pit.....	865.43	109.62
33 34 51 00-0003	EA	4' Diameter, 3' High, Precast Concrete Leaching Pit.....	1,207.47	155.72
33 34 51 00-0004	EA	6' Diameter, 3' High, Precast Concrete Leaching Pit.....	1,608.54	186.87
33 34 51 00-0005	EA	8' Diameter, 4' High, Precast Concrete Leaching Pit.....	2,623.87	311.44
33 34 51 00-0006	EA	10' Diameter, 4' High, Precast Concrete Leaching Pit.....	3,815.93	436.01

33 34 53 Distribution Chambers (33 34)**33 34 53 13 Drainage Field Concrete Distribution Chambers (33 34 53)****33 34 53 13-0001 Leaching Field Chambers - Precast Concrete (33 34 53 13)**

33 34 53 13-0002	EA	Standard Leaching Field Chamber 13' x 3'-7" x 1'-4".....	1,009.50	101.00
33 34 53 13-0003	EA	Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6".....	1,244.70	137.72

33 34 56 Drainage Field Dosing Chambers (33 34)**33 34 56 00-0001 Dosing Siphon (33 34 56)**

33 34 56 00-0002	EA	Dosing Siphon With Electrical Connection And Solenoid Valve.....	3,383.52	
33 34 56 00-0003	EA	Solar Power Control For Dosing Siphon.....	2,307.67	
33 34 56 00-0004	EA	Electrical Power Control For Dosing Siphon.....	2,219.19	

33 40 Stormwater Utilities (33)

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 41 Subdrainage (33 40)

33 41 16 Subdrainage Piping (33 41)

See CSI section 33 42 11 00-0137 for polyethylene drain pipe.

33 41 16 00-0001	Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 <small>(33 41 16)</small>		
	Note: Includes fittings, couplings, elbows, etc.		
33 41 16 00-0002	LF 4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	7.32	5.03
33 41 16 00-0003	LF 6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	9.99	6.04
33 41 16 00-0004	LF 8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	14.93	7.55
33 41 16 00-0005	LF 10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	23.37	8.62
33 41 16 00-0006	LF 12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	29.81	10.06
33 41 16 00-0007	LF 15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	46.29	12.07

33 41 16 00-0008 Perforated Non Reinforced Concrete Drainage Piping, C444 (33 41 16)

33 41 16 00-0009	LF 6" Perforated Non Reinforced Concrete Drainage Pipe	30.56	13.88
	For Extra Strength, Add	1.26	
	For >1,000, Deduct	-1.53	
33 41 16 00-0010	LF 8" Perforated Non Reinforced Concrete Drainage Pipe	35.27	15.41
	For Extra Strength, Add	1.56	
	For >1,000, Deduct	-1.76	
33 41 16 00-0011	LF 10" Perforated Non Reinforced Concrete Drainage Pipe	39.63	16.96
	For Extra Strength, Add	1.81	
	For >1,000, Deduct	-1.98	
33 41 16 00-0012	LF 12" Perforated Non Reinforced Concrete Drainage Pipe	45.74	18.50
	For Extra Strength, Add	2.27	
	For >1,000, Deduct	-2.29	

33 41 16 00-0013 Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 (33 41 16)

	Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 00-0014	LF 6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	26.66	13.88
	For >1,000, Deduct	-1.33	
33 41 16 00-0015	LF 8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	29.53	15.41
	For >1,000, Deduct	-1.48	
33 41 16 00-0016	LF 10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	32.55	16.96
	For >1,000, Deduct	-1.63	
33 41 16 00-0017	LF 12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	36.68	17.62
	For >1,000, Deduct	-1.83	
33 41 16 00-0018	LF 15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	42.10	19.83
	For >1,000, Deduct	-2.11	
33 41 16 00-0019	LF 18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	52.21	25.33
	For >1,000, Deduct	-2.61	
33 41 16 00-0020	LF 21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	65.38	32.49
	For >1,000, Deduct	-3.27	
33 41 16 00-0021	LF 24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	79.62	39.65
	For >1,000, Deduct	-3.98	

33 41 16 00-0022 Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654 (33 41 16)

33 41 16 00-0023	LF 6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	25.37	13.88
	For >1,000, Deduct	-1.27	
33 41 16 00-0024	LF 8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	30.96	15.41
	For >1,000, Deduct	-1.55	
33 41 16 00-0025	LF 10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	37.72	16.96
	For >1,000, Deduct	-1.89	
33 41 16 00-0026	LF 12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	44.60	18.50
	For >1,000, Deduct	-2.23	
33 41 16 00-0027	LF 15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	50.73	20.59
	For >1,000, Deduct	-2.54	
33 41 16 00-0028	LF 18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	65.17	25.68
	For >1,000, Deduct	-3.26	

33 41 16 00-0029 Perforated Vitrified Clay Drainage Piping, C700 (33 41 16)

33 41 16 00-0030	LF 4" Perforated Vitrified Clay Drainage Pipe	27.03	15.41
33 41 16 00-0031	LF 6" Perforated Vitrified Clay Drainage Pipe	31.88	17.35
33 41 16 00-0032	LF 8" Perforated Vitrified Clay Drainage Pipe	35.42	17.35
33 41 16 00-0033	LF 10" Perforated Vitrified Clay Drainage Pipe	46.70	21.20
33 41 16 00-0034	LF 12" Perforated Vitrified Clay Drainage Pipe	54.70	23.13

33 41 16 00-0035 Geotextile Filter Fabric Sock (33 41 16)

33 41 16 00-0036	LF 3" Geotextile Filter Fabric Sock	0.73	
33 41 16 00-0037	LF 4" Geotextile Filter Fabric Sock	0.95	
33 41 16 00-0038	LF 6" Geotextile Filter Fabric Sock	1.45	
33 41 16 00-0039	LF 8" Geotextile Filter Fabric Sock	1.95	
33 41 16 00-0040	LF 10" Geotextile Filter Fabric Sock	2.75	
33 41 16 00-0041	LF 12" Geotextile Filter Fabric Sock	3.62	
33 41 16 00-0042	LF 15" Geotextile Filter Fabric Sock	4.14	

33 41 16 00-0043 Strip-Perforated, Galvanized, Corrugated Steel Pipe (33 41 16)

Note: Perforations are located in the bottom quarter points of the pipe.

33 Utilities
33 40 Stormwater Utilities
33 41 Subdrainage

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	16 00-0044	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	20.32	6.61
			<i>For Full Perforated, Add</i>	0.71	
33 41	16 00-0045	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	25.39	8.01
			<i>For Full Perforated, Add</i>	0.94	
33 41	16 00-0046	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	32.07	10.17
			<i>For Full Perforated, Add</i>	1.17	
33 41	16 00-0047	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	36.32	12.02
			<i>For Full Perforated, Add</i>	1.23	
33 41	16 00-0048	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	40.31	12.43
			<i>For Full Perforated, Add</i>	1.54	
33 41	16 00-0049	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	44.43	12.89
			<i>For Full Perforated, Add</i>	1.86	
33 41	16 00-0050	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	50.01	13.91
			<i>For Full Perforated, Add</i>	2.22	
33 41	16 00-0051		Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe (33 41 16)		
			Note: Perforations are located in the bottom quarter points of the pipe.		
33 41	16 00-0052	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	21.46	6.61
			<i>For Full Perforated, Add</i>	0.83	
33 41	16 00-0053	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	26.94	8.01
			<i>For Full Perforated, Add</i>	1.09	
33 41	16 00-0054	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	33.96	10.17
			<i>For Full Perforated, Add</i>	1.36	
33 41	16 00-0055	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	38.16	12.02
			<i>For Full Perforated, Add</i>	1.41	
33 41	16 00-0056	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	42.59	12.43
			<i>For Full Perforated, Add</i>	1.77	
33 41	16 00-0057	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	47.13	12.89
			<i>For Full Perforated, Add</i>	2.13	
33 41	16 00-0058	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	53.15	13.91
			<i>For Full Perforated, Add</i>	2.53	
33 41	16 00-0059		Strip-Perforated, Corrugated Aluminum Pipe (33 41 16)		
			Note: Perforations are located in the bottom quarter points of the pipe.		
33 41	16 00-0060	LF	6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	21.83	6.61
			<i>For Full Perforated, Add</i>	0.86	
33 41	16 00-0061	LF	8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	27.41	8.01
			<i>For Full Perforated, Add</i>	1.14	
33 41	16 00-0062	LF	10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	34.57	10.17
			<i>For Full Perforated, Add</i>	1.42	
33 41	16 00-0063	LF	12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	42.70	12.02
			<i>For Full Perforated, Add</i>	1.87	
33 41	16 00-0064	LF	15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	48.23	12.43
			<i>For Full Perforated, Add</i>	2.34	
33 41	16 00-0065	LF	18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	53.97	12.89
			<i>For Full Perforated, Add</i>	2.82	
33 41	16 00-0066	LF	21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	61.13	13.91
			<i>For Full Perforated, Add</i>	3.33	
33 41	16 00-0067		Prefabricated Composite Drains (33 41 16)		
33 41	16 00-0068		Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) (33 41 16 00-0067)		
			Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.		
33 41	16 00-0069	LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	8.53	2.42
			<i>For External Typar Geotextile Wrap, Add</i>	1.16	
33 41	16 00-0070	EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	36.44	
33 41	16 00-0071	EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	36.44	
33 41	16 00-0072	EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	63.36	
33 41	16 00-0073	EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	63.36	
33 41	16 00-0074	LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	12.87	3.02
			<i>For External Typar Geotextile Wrap, Add</i>	1.74	
33 41	16 00-0075	EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	50.26	
33 41	16 00-0076	EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	50.26	
33 41	16 00-0077	EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	65.49	
33 41	16 00-0078	EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	65.49	
33 42	Stormwater Conveyance (33 40)				
			Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 42 11	Stormwater Gravity Piping (33 42)				
33 42 11 00-0001	Reinforced Concrete Piping (33 42 11)				
33 42 11 00-0002	Class 3 Reinforced Concrete Pipe Without Gaskets (33 42 11 00-0001)				
33 42 11 00-0003	LF		12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	44.46	18.50
			<i>For >1,000, Deduct</i>	-2.22	
			<i>For Class 4, Add</i>	1.71	
			<i>For Class 5, Add</i>	3.60	
33 42 11 00-0004	LF		15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	52.49	20.59
			<i>For >1,000, Deduct</i>	-2.62	
			<i>For Class 4, Add</i>	2.19	
			<i>For Class 5, Add</i>	4.62	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0005	LF		18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	60.96	25.68
				<i>For >1,000, Deduct</i>	-3.05	
				<i>For Class 4, Add</i>	2.31	
				<i>For Class 5, Add</i>	4.86	
	33 42 11 00-0006	LF		21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	77.80	32.38
				<i>For >1,000, Deduct</i>	-3.89	
				<i>For Class 4, Add</i>	3.00	
				<i>For Class 5, Add</i>	6.31	
	33 42 11 00-0007	LF		24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	91.86	39.32
				<i>For >1,000, Deduct</i>	-4.59	
				<i>For Class 4, Add</i>	3.39	
				<i>For Class 5, Add</i>	7.14	
	33 42 11 00-0008	LF		27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	114.92	48.90
				<i>For >1,000, Deduct</i>	-5.75	
				<i>For Class 4, Add</i>	4.28	
				<i>For Class 5, Add</i>	9.01	
	33 42 11 00-0009	LF		30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	121.73	50.50
				<i>For >1,000, Deduct</i>	-6.09	
				<i>For Class 4, Add</i>	4.63	
				<i>For Class 5, Add</i>	9.75	
	33 42 11 00-0010	LF		36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	147.24	57.38
				<i>For >1,000, Deduct</i>	-7.36	
				<i>For Class 4, Add</i>	6.28	
				<i>For Class 5, Add</i>	13.22	
	33 42 11 00-0011	LF		42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	184.93	63.12
				<i>For >1,000, Deduct</i>	-9.25	
				<i>For Class 4, Add</i>	9.09	
				<i>For Class 5, Add</i>	19.13	
	33 42 11 00-0012	LF		48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	219.05	70.30
				<i>For >1,000, Deduct</i>	-10.95	
				<i>For Class 4, Add</i>	11.27	
				<i>For Class 5, Add</i>	23.73	
	33 42 11 00-0013	LF		54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	268.80	80.34
				<i>For >1,000, Deduct</i>	-13.44	
				<i>For Class 4, Add</i>	14.63	
				<i>For Class 5, Add</i>	30.81	
	33 42 11 00-0014	LF		60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	322.56	93.19
				<i>For >1,000, Deduct</i>	-16.13	
				<i>For Class 4, Add</i>	18.00	
				<i>For Class 5, Add</i>	37.89	
	33 42 11 00-0015			HE-I Elliptical Reinforced Concrete Piping Without Gaskets <small>(33 42 11 00-0001)</small>		
	33 42 11 00-0016	LF		12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size).....	67.14	28.54
				<i>For >1,000, Deduct</i>	-3.36	
				<i>For Horizontal Elliptical - II (HE- II), Add</i>	2.64	
				<i>For Horizontal Elliptical - III (HE- III), Add</i>	5.81	
				<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	12.67	
	33 42 11 00-0017	LF		14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size).....	101.31	34.14
				<i>For >1,000, Deduct</i>	-5.07	
				<i>For Horizontal Elliptical - II (HE- II), Add</i>	5.25	
				<i>For Horizontal Elliptical - III (HE- III), Add</i>	11.56	
				<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	25.21	
	33 42 11 00-0018	LF		19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size).....	143.42	52.29
				<i>For >1,000, Deduct</i>	-7.17	
				<i>For Horizontal Elliptical - II (HE- II), Add</i>	6.87	
				<i>For Horizontal Elliptical - III (HE- III), Add</i>	15.12	
				<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	32.99	
	33 42 11 00-0019	LF		22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size).....	169.74	65.04
				<i>For >1,000, Deduct</i>	-8.49	
				<i>For Horizontal Elliptical - II (HE- II), Add</i>	7.68	
				<i>For Horizontal Elliptical - III (HE- III), Add</i>	16.90	
				<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	36.88	
	33 42 11 00-0020	LF		24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size).....	179.60	67.95
				<i>For >1,000, Deduct</i>	-8.98	
				<i>For Horizontal Elliptical - II (HE- II), Add</i>	8.25	
				<i>For Horizontal Elliptical - III (HE- III), Add</i>	18.15	
				<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	39.61	
	33 42 11 00-0021	LF		27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size).....	202.84	71.75
				<i>For >1,000, Deduct</i>	-10.14	
				<i>For Horizontal Elliptical - II (HE- II), Add</i>	10.03	
				<i>For Horizontal Elliptical - III (HE- III), Add</i>	22.07	
				<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	48.16	
	33 42 11 00-0022	LF		29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size).....	226.08	75.54
				<i>For >1,000, Deduct</i>	-11.30	
				<i>For Horizontal Elliptical - II (HE- II), Add</i>	11.82	
				<i>For Horizontal Elliptical - III (HE- III), Add</i>	26.00	
				<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	56.72	
	33 42 11 00-0023	LF		34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size).....	270.77	83.12
				<i>For >1,000, Deduct</i>	-13.54	
				<i>For Horizontal Elliptical - II (HE- II), Add</i>	15.20	
				<i>For Horizontal Elliptical - III (HE- III), Add</i>	33.44	
				<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	72.97	
	33 42 11 00-0024	LF		38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size).....	322.70	93.49
				<i>For >1,000, Deduct</i>	-16.14	
				<i>For Horizontal Elliptical - II (HE- II), Add</i>	18.91	
				<i>For Horizontal Elliptical - III (HE- III), Add</i>	41.61	
				<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	90.78	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0025	LF		43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)	367.57	106.85
			<i>For >1,000, Deduct</i>	-18.38	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	21.49	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	47.28	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	103.17	
33 42 11 00-0026	LF		48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size)	450.74	123.95
			<i>For >1,000, Deduct</i>	-22.54	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	27.37	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	60.21	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	131.37	
33 42 11 00-0027	LF		53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size)	511.85	136.58
33 42 11 00-0028	LF		58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size)	612.18	149.20
33 42 11 00-0029	LF		63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size)	725.74	168.71
33 42 11 00-0030	LF		68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size)	788.21	187.08
33 42 11 00-0031	LF		72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size)	986.51	196.25
33 42 11 00-0032	LF		77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size)	1,131.68	205.43
33 42 11 00-0033			Concrete Reducing Wye Without Gaskets <small>(33 42 11 00-0001)</small>		
33 42 11 00-0034	EA		12" Concrete Reducing Wye Without Gaskets	458.88	70.49
33 42 11 00-0035	EA		15" Concrete Reducing Wye Without Gaskets	551.12	85.90
33 42 11 00-0036	EA		18" Concrete Reducing Wye Without Gaskets	674.74	94.71
33 42 11 00-0037	EA		21" Concrete Reducing Wye Without Gaskets	779.05	116.74
33 42 11 00-0038	EA		24" Concrete Reducing Wye Without Gaskets	885.15	140.98
33 42 11 00-0039			Concrete Pipe Joint Gaskets <small>(33 42 11 00-0001)</small>		
33 42 11 00-0040	EA		12" Diameter Concrete Pipe Joint Gasket	4.00	
33 42 11 00-0041	EA		15" Diameter Concrete Pipe Joint Gasket	4.73	
33 42 11 00-0042	EA		18" Diameter Concrete Pipe Joint Gasket	5.48	
33 42 11 00-0043	EA		21" Diameter Concrete Pipe Joint Gasket	6.62	
33 42 11 00-0044	EA		24" Diameter Concrete Pipe Joint Gasket	7.76	
33 42 11 00-0045	EA		27" Diameter Concrete Pipe Joint Gasket	8.64	
33 42 11 00-0046	EA		30" Diameter Concrete Pipe Joint Gasket	9.50	
33 42 11 00-0047	EA		36" Diameter Concrete Pipe Joint Gasket	11.60	
33 42 11 00-0048	EA		42" Diameter Concrete Pipe Joint Gasket	13.45	
33 42 11 00-0049	EA		48" Diameter Concrete Pipe Joint Gasket	15.52	
33 42 11 00-0050	EA		54" Diameter Concrete Pipe Joint Gasket	19.02	
33 42 11 00-0051	EA		60" Diameter Concrete Pipe Joint Gasket	28.15	
33 42 11 00-0052			Prestressed Concrete Cylinder Piping <small>(33 42 11)</small>		
33 42 11 00-0053			150 PSI Prestressed Concrete Cylinder Pipe And Fittings <small>(33 42 11 00-0052)</small>		
33 42 11 00-0054			150 PSI Prestressed Concrete Cylinder Pipe With Gaskets <small>(33 42 11 00-0053)</small>		
			Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0055	LF		12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	104.09	18.50
			<i>For >1,000, Deduct</i>	-5.20	
			<i>For 100 PSI, Deduct</i>	-19.41	
33 42 11 00-0056	LF		15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	111.56	20.59
			<i>For >1,000, Deduct</i>	-5.58	
			<i>For 100 PSI, Deduct</i>	-20.54	
33 42 11 00-0057	LF		18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	123.32	25.68
			<i>For >1,000, Deduct</i>	-6.17	
			<i>For 100 PSI, Deduct</i>	-21.66	
33 42 11 00-0058	LF		21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	137.39	32.38
			<i>For >1,000, Deduct</i>	-6.87	
			<i>For 100 PSI, Deduct</i>	-22.79	
33 42 11 00-0059	LF		24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	151.80	39.32
			<i>For >1,000, Deduct</i>	-7.59	
			<i>For 100 PSI, Deduct</i>	-23.91	
33 42 11 00-0060	LF		30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	180.07	50.50
			<i>For >1,000, Deduct</i>	-9.00	
			<i>For 100 PSI, Deduct</i>	-26.77	
33 42 11 00-0061	LF		36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	199.66	57.38
			<i>For >1,000, Deduct</i>	-9.98	
			<i>For 100 PSI, Deduct</i>	-29.63	
33 42 11 00-0062	LF		42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	229.88	63.12
			<i>For >1,000, Deduct</i>	-11.49	
			<i>For 100 PSI, Deduct</i>	-35.15	
33 42 11 00-0063	LF		48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	263.08	70.30
			<i>For >1,000, Deduct</i>	-13.15	
			<i>For 100 PSI, Deduct</i>	-40.67	
33 42 11 00-0064	LF		54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	341.60	86.92
			<i>For >1,000, Deduct</i>	-17.08	
			<i>For 100 PSI, Deduct</i>	-54.36	
33 42 11 00-0065	LF		60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	409.70	100.84
			<i>For >1,000, Deduct</i>	-20.49	
			<i>For 100 PSI, Deduct</i>	-66.42	
33 42 11 00-0066			150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets <small>(33 42 11 00-0053)</small>		
33 42 11 00-0067	EA		12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	451.14	173.47
33 42 11 00-0068	EA		15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	630.48	247.81
33 42 11 00-0069	EA		18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	820.19	330.41
33 42 11 00-0070	EA		21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,009.93	413.01

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0071	EA		24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,235.97	513.22
	33 42 11 00-0072	EA		30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,570.26	688.34
	33 42 11 00-0073	EA		36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,933.39	803.37
	33 42 11 00-0074	EA		42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,253.35	937.65
	33 42 11 00-0075	EA		48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,548.99	1,070.78
	33 42 11 00-0076	EA		54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,150.73	1,337.04
	33 42 11 00-0077	EA		60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,023.52	1,738.47
33 42 11 00-0078				150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets (33 42 11 00-0053)		
	33 42 11 00-0079	EA		12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	430.29	173.47
	33 42 11 00-0080	EA		15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	603.51	247.81
	33 42 11 00-0081	EA		18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	788.31	330.41
	33 42 11 00-0082	EA		21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	973.14	413.01
	33 42 11 00-0083	EA		24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,194.28	513.22
	33 42 11 00-0084	EA		30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,513.04	642.09
	33 42 11 00-0085	EA		36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,868.00	803.37
	33 42 11 00-0086	EA		42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,177.74	937.65
	33 42 11 00-0087	EA		48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,467.66	1,070.78
	33 42 11 00-0088	EA		54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,020.97	1,337.04
	33 42 11 00-0089	EA		60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,913.44	1,738.47
33 42 11 00-0090				400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0052)		
33 42 11 00-0091				400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0090)		
				Note: AWWA C301		
	33 42 11 00-0092	LF		30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	206.95	50.50
				For >1,000, Deduct	-10.35	
	33 42 11 00-0093	LF		36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	249.30	57.38
				For >1,000, Deduct	-12.47	
	33 42 11 00-0094	LF		42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	288.80	63.12
				For >1,000, Deduct	-14.44	
33 42 11 00-0095				400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0090)		
				Note: AWWA C301		
	33 42 11 00-0096	LF		48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	381.44	70.23
				For >1,000, Deduct	-19.07	
	33 42 11 00-0097	LF		54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	455.20	86.92
				For >1,000, Deduct	-22.76	
	33 42 11 00-0098	LF		60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	525.08	100.84
				For >1,000, Deduct	-26.25	
33 42 11 00-0099				Welded Joints For Prestressed Concrete Cylinder Pipe (33 42 11 00-0090)		
				Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
	33 42 11 00-0100	EA		30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,223.49	
	33 42 11 00-0101	EA		36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,314.12	
	33 42 11 00-0102	EA		42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,359.43	
	33 42 11 00-0103	EA		48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,540.69	
	33 42 11 00-0104	EA		54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,586.00	
	33 42 11 00-0105	EA		60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,676.63	
33 42 11 00-0106				Quick Test Joints (33 42 11 00-0090)		
	33 42 11 00-0107	EA		30" Quick Test Joint.....	384.47	
	33 42 11 00-0108	EA		36" Quick Test Joint.....	390.21	
	33 42 11 00-0109	EA		42" Quick Test Joint.....	395.95	
	33 42 11 00-0110	EA		48" Quick Test Joint.....	405.71	
	33 42 11 00-0111	EA		54" Quick Test Joint.....	426.22	
	33 42 11 00-0112	EA		60" Quick Test Joint.....	445.36	
33 42 11 00-0113				Harnessed Joints (33 42 11 00-0090)		
33 42 11 00-0114				Harness Clamp Restrained Joints (33 42 11 00-0113)		
	33 42 11 00-0115	EA		30" Harness Clamp Restrained Joint.....	2,267.83	
	33 42 11 00-0116	EA		36" Harness Clamp Restrained Joint.....	2,357.27	
	33 42 11 00-0117	EA		42" Harness Clamp Restrained Joint.....	2,446.70	
	33 42 11 00-0118	EA		48" Harness Clamp Restrained Joint.....	2,536.13	
	33 42 11 00-0119	EA		54" Harness Clamp Restrained Joint.....	2,634.97	
	33 42 11 00-0120	EA		60" Harness Clamp Restrained Joint.....	2,772.93	
33 42 11 00-0121				Snap Ring Restrained Joints (33 42 11 00-0113)		
	33 42 11 00-0122	EA		30" Snap Ring Restrained Joint.....	426.58	
	33 42 11 00-0123	EA		36" Snap Ring Restrained Joint.....	482.54	
	33 42 11 00-0124	EA		42" Snap Ring Restrained Joint.....	630.56	
	33 42 11 00-0125	EA		48" Snap Ring Restrained Joint.....	711.62	
	33 42 11 00-0126	EA		54" Snap Ring Restrained Joint.....	802.09	
	33 42 11 00-0127	EA		60" Snap Ring Restrained Joint.....	906.57	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0128			Pipe Repairs (33 42 11 00-0090) Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJD sleeve, 20' pipe.		
33 42 11 00-0129			Lined Cylinder Pipe Repair (33 42 11 00-0128)		
33 42 11 00-0130	EA		30" Lined Cylinder Pipe Repair.....	5,578.26	
33 42 11 00-0131	EA		36" Lined Cylinder Pipe Repair.....	6,892.39	
33 42 11 00-0132	EA		42" Lined Cylinder Pipe Repair.....	8,257.07	
33 42 11 00-0133			Embedded Cylinder Pipe Repair (33 42 11 00-0128) Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0134	EA		48" Embedded Cylinder Pipe Repair.....	11,793.19	
33 42 11 00-0135	EA		54" Embedded Cylinder Pipe Repair.....	13,624.77	
33 42 11 00-0136	EA		60" Embedded Cylinder Pipe Repair.....	15,475.77	
33 42 11 00-0137			High Density Polyethylene (HDPE) Drainage Piping (33 42 11)		
33 42 11 00-0138			Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0137) Note: Excludes couplings and gaskets.		
33 42 11 00-0139			Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0138)		
33 42 11 00-0140	LF		4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.71	7.27
			For >1,000, Deduct.....	-0.79	
33 42 11 00-0141	LF		6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.88	8.45
			For >1,000, Deduct.....	-0.99	
33 42 11 00-0142	LF		8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	24.11	9.83
			For >1,000, Deduct.....	-1.21	
33 42 11 00-0143	LF		10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.77	10.18
			For >1,000, Deduct.....	-1.34	
33 42 11 00-0144	LF		12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	28.06	10.54
			For >1,000, Deduct.....	-1.40	
33 42 11 00-0145	LF		15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	31.18	10.91
			For >1,000, Deduct.....	-1.56	
33 42 11 00-0146	LF		18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	36.56	11.31
			For >1,000, Deduct.....	-1.83	
33 42 11 00-0147	LF		24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	48.72	13.25
			For >1,000, Deduct.....	-2.44	
33 42 11 00-0148	LF		30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	68.50	17.83
			For >1,000, Deduct.....	-3.43	
33 42 11 00-0149	LF		36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	89.46	22.54
			For >1,000, Deduct.....	-4.47	
33 42 11 00-0150			Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0138)		
33 42 11 00-0151	LF		12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	27.93	10.54
			For >1,000, Deduct.....	-1.40	
33 42 11 00-0152	LF		15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	31.67	10.91
			For >1,000, Deduct.....	-1.58	
33 42 11 00-0153	LF		18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	37.30	11.31
			For >1,000, Deduct.....	-1.87	
33 42 11 00-0154	LF		24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	49.89	13.25
			For >1,000, Deduct.....	-2.49	
33 42 11 00-0155	LF		30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	71.70	17.83
			For >1,000, Deduct.....	-3.59	
33 42 11 00-0156	LF		36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	91.84	22.54
			For >1,000, Deduct.....	-4.59	
33 42 11 00-0157	LF		42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	116.68	24.59
			For >1,000, Deduct.....	-5.83	
33 42 11 00-0158	LF		48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	127.82	27.74
			For >1,000, Deduct.....	-6.39	
33 42 11 00-0159			Single Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0137) Note: Excludes couplings and gaskets.		
33 42 11 00-0160			Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0159)		
33 42 11 00-0161	LF		4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.26	7.27
			For >1,000, Deduct.....	-0.76	
33 42 11 00-0162	LF		6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	18.51	8.45
			For >1,000, Deduct.....	-0.93	
33 42 11 00-0163	LF		8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.49	9.83
			For >1,000, Deduct.....	-1.12	
33 42 11 00-0164	LF		10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	25.58	10.18
			For >1,000, Deduct.....	-1.28	
33 42 11 00-0165	LF		12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	27.60	10.54
			For >1,000, Deduct.....	-1.38	
33 42 11 00-0166	LF		15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	31.32	10.91
			For >1,000, Deduct.....	-1.57	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0167	LF		18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For >1,000, Deduct</i>	37.48 -1.87	11.31
	33 42 11 00-0168	LF		24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For >1,000, Deduct</i>	49.72 -2.49	13.25
	33 42 11 00-0169			Perforated, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0137)</small> Note: Excludes couplings and gaskets.		
	33 42 11 00-0170			Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0169)</small>		
	33 42 11 00-0171	LF		4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	16.32 -0.82	7.27
	33 42 11 00-0172	LF		6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	19.91 -1.00	8.45
	33 42 11 00-0173	LF		8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	24.11 -1.21	9.83
	33 42 11 00-0174	LF		10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	26.79 -1.34	10.18
	33 42 11 00-0175	LF		12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	28.06 -1.40	10.54
	33 42 11 00-0176	LF		15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	31.20 -1.56	10.91
	33 42 11 00-0177	LF		18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	36.58 -1.83	11.31
	33 42 11 00-0178	LF		24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	48.72 -2.44	13.25
	33 42 11 00-0179	LF		30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	68.70 -3.44	17.83
	33 42 11 00-0180	LF		36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	89.46 -4.47	22.54
	33 42 11 00-0181			Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0169)</small>		
	33 42 11 00-0182	LF		12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For >1,000, Deduct</i>	27.95 -1.40	10.54
	33 42 11 00-0183	LF		15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For >1,000, Deduct</i>	31.69 -1.58	10.91
	33 42 11 00-0184	LF		18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For >1,000, Deduct</i>	37.32 -1.87	11.31
	33 42 11 00-0185	LF		24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For >1,000, Deduct</i>	49.89 -2.49	13.25
	33 42 11 00-0186	LF		30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For >1,000, Deduct</i>	71.70 -3.59	17.83
	33 42 11 00-0187	LF		36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For >1,000, Deduct</i>	91.84 -4.59	22.54
	33 42 11 00-0188	LF		42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For >1,000, Deduct</i>	116.68 -5.83	24.59
	33 42 11 00-0189	LF		48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For >1,000, Deduct</i>	127.82 -6.39	27.74
	33 42 11 00-0190			Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0169)</small>		
	33 42 11 00-0191	LF		4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	15.65 -0.78	7.27
	33 42 11 00-0192	LF		6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	18.51 -0.93	8.45
	33 42 11 00-0193	LF		8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	22.41 -1.12	9.83
	33 42 11 00-0194	LF		10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	25.58 -1.28	10.18
	33 42 11 00-0195	LF		12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	27.60 -1.38	10.54
	33 42 11 00-0196	LF		15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	31.32 -1.57	10.91
	33 42 11 00-0197	LF		18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	37.48 -1.87	11.31
	33 42 11 00-0198	LF		24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For >1,000, Deduct</i>	49.72 -2.49	13.25
	33 42 11 00-0199			Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 42 11 00-0137)</small> Note: Excludes couplings and gaskets.		
	33 42 11 00-0200			Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0199)</small>		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-0201	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	60.20	26.45
33 42 11 00-0202	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	74.39	30.86
33 42 11 00-0203	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	113.67	37.48
33 42 11 00-0204	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	167.71	46.29
33 42 11 00-0205	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	255.29	55.12
33 42 11 00-0206	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	357.29	72.02
33 42 11 00-0207	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	510.41	96.99
33 42 11 00-0208	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	646.79	110.72
33 42 11 00-0209	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,096.38	127.86
33 42 11 00-0210	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,399.48	147.70
33 42 11 00-0211	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	2,293.54	176.35
33 42 11 00-0212	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	2,872.55	209.42

33 42 11 00-0213 Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0199)

33 42 11 00-0214	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	81.79	26.45
33 42 11 00-0215	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	98.09	30.86
33 42 11 00-0216	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	128.63	37.48
33 42 11 00-0217	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	184.21	46.29
33 42 11 00-0218	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	308.35	55.12
33 42 11 00-0219	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	341.01	72.02
33 42 11 00-0220	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	478.74	96.99

33 42 11 00-0221 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0199)

33 42 11 00-0222	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	37.42	17.64
33 42 11 00-0223	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	45.55	20.58
33 42 11 00-0224	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	63.81	24.98
33 42 11 00-0225	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	80.00	30.86
33 42 11 00-0226	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	111.82	36.74
33 42 11 00-0227	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	170.87	47.03
33 42 11 00-0228	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	227.69	64.66
33 42 11 00-0229	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	406.16	73.48
33 42 11 00-0230	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	555.46	85.23
33 42 11 00-0231	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	650.17	98.47
33 42 11 00-0232	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	826.55	117.57
33 42 11 00-0233	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,107.20	139.62

33 42 11 00-0234 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0199)

33 42 11 00-0235	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	39.78	17.64
33 42 11 00-0236	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	50.48	20.58
33 42 11 00-0237	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	66.32	24.98
33 42 11 00-0238	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	100.44	30.86
33 42 11 00-0239	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	111.82	36.74
33 42 11 00-0240	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	170.46	47.03
33 42 11 00-0241	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	260.66	64.66
33 42 11 00-0242	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	431.63	73.48
33 42 11 00-0243	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	556.67	85.23
33 42 11 00-0244	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	705.07	98.47
33 42 11 00-0245	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,038.43	117.57
33 42 11 00-0246	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,297.10	139.62

33 42 11 00-0247 Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings (33 42 11 00-0137)

Note: Excludes couplings and gaskets.

33 42 11 00-0248 Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0247)

33 42 11 00-0249	EA	4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	45.66	26.45
33 42 11 00-0250	EA	6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	53.98	30.86
33 42 11 00-0251	EA	8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	80.90	37.48
33 42 11 00-0252	EA	10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	102.88	46.29
33 42 11 00-0253	EA	12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	145.51	55.12
33 42 11 00-0254	EA	15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	290.60	72.02
33 42 11 00-0255	EA	18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	353.29	96.99
33 42 11 00-0256	EA	24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	629.40	110.22

33 42 11 00-0257 Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0247)

33 42 11 00-0258	EA	4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	46.55	26.45
33 42 11 00-0259	EA	6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	56.90	30.86
33 42 11 00-0260	EA	8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	111.47	37.48

33 42 11 00-0261 45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0247)

33 42 11 00-0262	EA	4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	30.74	17.64
------------------	----	---	-------	-------

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

33 42 11 00-0263	90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0247)</small>		
33 42 11 00-0264	EA 4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	31.68	17.64
33 42 11 00-0265	EA 6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	39.77	20.58
33 42 11 00-0266	EA 8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	56.12	24.98
33 42 11 00-0267	EA 10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	72.85	30.86

33 42 11 00-0268	Couplings And End Caps, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0137)</small>		
Note: For single and double wall high density polyethylene (HDPE) piping.			

33 42 11 00-0269	Couplings, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0268)</small>		
33 42 11 00-0270	EA 4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.41	
33 42 11 00-0271	EA 6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	2.53	
33 42 11 00-0272	EA 8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	3.89	
33 42 11 00-0273	EA 10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	4.79	
33 42 11 00-0274	EA 12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	5.15	
33 42 11 00-0275	EA 15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	7.33	
33 42 11 00-0276	EA 18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	10.84	
33 42 11 00-0277	EA 24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	17.26	
33 42 11 00-0278	EA 30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	26.50	
33 42 11 00-0279	EA 36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	34.68	
33 42 11 00-0280	EA 42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	54.52	
33 42 11 00-0281	EA 48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	73.74	

33 42 11 00-0282	Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0268)</small>		
33 42 11 00-0283	EA 4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	74.66	
33 42 11 00-0284	EA 6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	78.17	
33 42 11 00-0285	EA 8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	81.85	
33 42 11 00-0286	EA 10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	85.70	
33 42 11 00-0287	EA 12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	101.65	
33 42 11 00-0288	EA 15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	104.95	
33 42 11 00-0289	EA 18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	109.46	
33 42 11 00-0290	EA 24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	124.68	
33 42 11 00-0291	EA 30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	199.87	
33 42 11 00-0292	EA 36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	218.92	
33 42 11 00-0293	EA 42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	238.53	
33 42 11 00-0294	EA 48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	289.70	

33 42 11 00-0295	End Caps, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0268)</small>		
33 42 11 00-0296	EA 6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	27.24	
33 42 11 00-0297	EA 8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	31.04	
33 42 11 00-0298	EA 10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	44.79	
33 42 11 00-0299	EA 12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	69.75	
33 42 11 00-0300	EA 15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	80.12	
33 42 11 00-0301	EA 18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	105.21	
33 42 11 00-0302	EA 24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	110.37	

33 42 11 00-0303	Vitrified Clay Piping <small>(33 42 11)</small>		
-------------------------	--	--	--

33 42 11 00-0304	Extra Strength Vitrified Clay Piping <small>(33 42 11 00-0303)</small>		
-------------------------	---	--	--

33 42 11 00-0305	Plain Joint, Extra Strength, Vitrified Clay Piping <small>(33 42 11 00-0304)</small>		
Note: ASTM C700.			

33 42 11 00-0306	LF 4" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	21.06	
	<i>For 3' Lengths, Add</i>	1.52	
	<i>For 2' Lengths, Add</i>	2.02	
	<i>For Standard Strength, Deduct</i>	-0.51	
	<i>For >1,000, Deduct</i>	-1.05	
33 42 11 00-0307	LF 6" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	35.12	
	<i>For 3' Lengths, Add</i>	2.35	
	<i>For 2' Lengths, Add</i>	3.14	
	<i>For Standard Strength, Deduct</i>	-0.78	
	<i>For >1,000, Deduct</i>	-1.76	
33 42 11 00-0308	LF 8" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	41.51	
	<i>For 3' Lengths, Add</i>	3.36	
	<i>For 2' Lengths, Add</i>	4.48	
	<i>For Standard Strength, Deduct</i>	-1.12	
	<i>For >1,000, Deduct</i>	-2.08	
33 42 11 00-0309	LF 10" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	49.02	
	<i>For 3' Lengths, Add</i>	5.15	
	<i>For 2' Lengths, Add</i>	6.86	
	<i>For Standard Strength, Deduct</i>	-1.72	
	<i>For >1,000, Deduct</i>	-2.45	
33 42 11 00-0310	LF 12" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	58.97	
	<i>For 3' Lengths, Add</i>	7.27	
	<i>For 2' Lengths, Add</i>	9.69	
	<i>For Standard Strength, Deduct</i>	-2.42	
	<i>For >1,000, Deduct</i>	-2.95	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0311	LF		15" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	84.08	
			<i>For 3' Lengths, Add</i>	13.63	
			<i>For 2' Lengths, Add</i>	18.17	
			<i>For Standard Strength, Deduct</i>	-4.54	
			<i>For >1,000, Deduct</i>	-4.20	
33 42 11 00-0312	LF		18" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	113.32	
			<i>For 3' Lengths, Add</i>	19.53	
			<i>For 2' Lengths, Add</i>	26.04	
			<i>For Standard Strength, Deduct</i>	-6.51	
			<i>For >1,000, Deduct</i>	-5.67	
33 42 11 00-0313	LF		21" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	165.10	
			<i>For 3' Lengths, Add</i>	31.29	
			<i>For 2' Lengths, Add</i>	41.72	
			<i>For Standard Strength, Deduct</i>	-10.43	
			<i>For >1,000, Deduct</i>	-8.26	
33 42 11 00-0314	LF		24" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	210.09	
			<i>For 3' Lengths, Add</i>	40.88	
			<i>For 2' Lengths, Add</i>	54.50	
			<i>For Standard Strength, Deduct</i>	-13.63	
			<i>For >1,000, Deduct</i>	-10.50	
33 42 11 00-0315	LF		30" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	259.55	
			<i>For 3' Lengths, Add</i>	50.97	
			<i>For 2' Lengths, Add</i>	67.96	
			<i>For Standard Strength, Deduct</i>	-16.99	
			<i>For >1,000, Deduct</i>	-12.98	
33 42 11 00-0316	LF		36" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	314.10	
			<i>For 3' Lengths, Add</i>	61.57	
			<i>For 2' Lengths, Add</i>	82.09	
			<i>For Standard Strength, Deduct</i>	-20.52	
			<i>For >1,000, Deduct</i>	-15.71	
33 42 11 00-0317			Compression Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-0304)		
			Note: ASTM C425.		
33 42 11 00-0318	LF		4" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	30.20	
			<i>For 3' Lengths, Add</i>	1.79	
			<i>For 2' Lengths, Add</i>	2.38	
			<i>For Standard Strength, Deduct</i>	-0.60	
			<i>For >1,000, Deduct</i>	-1.51	
33 42 11 00-0319	LF		6" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	37.00	
			<i>For 3' Lengths, Add</i>	2.92	
			<i>For 2' Lengths, Add</i>	3.89	
			<i>For Standard Strength, Deduct</i>	-0.97	
			<i>For >1,000, Deduct</i>	-1.85	
33 42 11 00-0320	LF		8" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	44.04	
			<i>For 3' Lengths, Add</i>	4.12	
			<i>For 2' Lengths, Add</i>	5.49	
			<i>For Standard Strength, Deduct</i>	-1.37	
			<i>For >1,000, Deduct</i>	-2.20	
33 42 11 00-0321	LF		10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	54.40	
			<i>For 3' Lengths, Add</i>	6.76	
			<i>For 2' Lengths, Add</i>	9.02	
			<i>For Standard Strength, Deduct</i>	-2.25	
			<i>For >1,000, Deduct</i>	-2.72	
33 42 11 00-0322	LF		12" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	64.35	
			<i>For 3' Lengths, Add</i>	8.88	
			<i>For 2' Lengths, Add</i>	11.84	
			<i>For Standard Strength, Deduct</i>	-2.96	
			<i>For >1,000, Deduct</i>	-3.22	
33 42 11 00-0323	LF		15" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	92.66	
			<i>For 3' Lengths, Add</i>	16.20	
			<i>For 2' Lengths, Add</i>	21.60	
			<i>For Standard Strength, Deduct</i>	-5.40	
			<i>For >1,000, Deduct</i>	-4.63	
33 42 11 00-0324	LF		18" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	127.28	
			<i>For 3' Lengths, Add</i>	23.72	
			<i>For 2' Lengths, Add</i>	31.62	
			<i>For Standard Strength, Deduct</i>	-7.91	
			<i>For >1,000, Deduct</i>	-6.36	
33 42 11 00-0325	LF		21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	181.08	
			<i>For 3' Lengths, Add</i>	36.08	
			<i>For 2' Lengths, Add</i>	48.11	
			<i>For Standard Strength, Deduct</i>	-12.03	
			<i>For >1,000, Deduct</i>	-9.05	
33 42 11 00-0326	LF		24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	235.32	
			<i>For 3' Lengths, Add</i>	48.44	
			<i>For 2' Lengths, Add</i>	64.59	
			<i>For Standard Strength, Deduct</i>	-16.15	
			<i>For >1,000, Deduct</i>	-11.77	
33 42 11 00-0327	LF		30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	370.57	
			<i>For 3' Lengths, Add</i>	84.27	
			<i>For 2' Lengths, Add</i>	112.36	
			<i>For Standard Strength, Deduct</i>	-28.09	
			<i>For >1,000, Deduct</i>	-18.53	
33 42 11 00-0328	LF		36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	522.68	
			<i>For 3' Lengths, Add</i>	124.14	
			<i>For 2' Lengths, Add</i>	165.52	
			<i>For Standard Strength, Deduct</i>	-41.38	
			<i>For >1,000, Deduct</i>	-26.13	

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

33 42 11 00-0329		Extra Strength, Vitrified Clay Pipe Fittings <small>(33 42 11 00-0303)</small>		
33 42 11 00-0330		1/8 Bends, Extra Strength, Vitrified Clay <small>(33 42 11 00-0329)</small>		
33 42 11 00-0331		Plain End 1/8 Bend, Extra Strength, Vitrified Clay <small>(33 42 11 00-0330)</small>		
33 42 11 00-0332	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	84.03	
33 42 11 00-0333	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	111.97	
33 42 11 00-0334	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	156.82	
33 42 11 00-0335	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	211.94	
33 42 11 00-0336	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	276.86	
33 42 11 00-0337	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	637.78	
33 42 11 00-0338	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	896.21	
33 42 11 00-0339	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,390.71	
33 42 11 00-0340	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,607.01	
33 42 11 00-0341	EA	30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,869.47	
33 42 11 00-0342	EA	36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,785.64	
33 42 11 00-0343		Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay <small>(33 42 11 00-0330)</small>		
33 42 11 00-0344	EA	4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	95.70	
33 42 11 00-0345	EA	6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	133.41	
33 42 11 00-0346	EA	8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	177.97	
33 42 11 00-0347	EA	10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	234.79	
33 42 11 00-0348	EA	12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	295.22	
33 42 11 00-0349	EA	15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	717.06	
33 42 11 00-0350	EA	18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,038.08	
33 42 11 00-0351	EA	21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,074.35	
33 42 11 00-0352	EA	24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,054.83	
33 42 11 00-0353	EA	30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,294.70	
33 42 11 00-0354	EA	36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	3,385.89	
33 42 11 00-0355		1/4 Bends, Extra Strength, Vitrified Clay <small>(33 42 11 00-0329)</small>		
33 42 11 00-0356		Plain End 1/4 Bends, Extra Strength, Vitrified Clay <small>(33 42 11 00-0355)</small>		
33 42 11 00-0357	EA	4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	100.03	
33 42 11 00-0358	EA	6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	131.25	
33 42 11 00-0359	EA	8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	179.37	
33 42 11 00-0360	EA	10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	236.62	
33 42 11 00-0361	EA	12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	304.66	
33 42 11 00-0362	EA	15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	668.71	
33 42 11 00-0363	EA	18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	934.79	
33 42 11 00-0364	EA	21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,439.35	
33 42 11 00-0365	EA	24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,666.08	
33 42 11 00-0366	EA	30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,943.14	
33 42 11 00-0367	EA	36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,867.54	
33 42 11 00-0368		Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay <small>(33 42 11 00-0355)</small>		
33 42 11 00-0369	EA	4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	114.90	
33 42 11 00-0370	EA	6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	156.54	
33 42 11 00-0371	EA	8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	205.03	
33 42 11 00-0372	EA	10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	264.40	
33 42 11 00-0373	EA	12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	328.57	
33 42 11 00-0374	EA	15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	754.18	
33 42 11 00-0375	EA	18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,084.36	
33 42 11 00-0376	EA	21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,075.67	
33 42 11 00-0377	EA	24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,125.71	
33 42 11 00-0378	EA	30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,383.10	
33 42 11 00-0379	EA	36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	3,484.15	
33 42 11 00-0380		Wyes Or Tees, Extra Strength, Vitrified Clay <small>(33 42 11 00-0329)</small>		
33 42 11 00-0381		Plain End Wyes Or Tees, Extra Strength, Vitrified Clay <small>(33 42 11 00-0380)</small>		
33 42 11 00-0382	EA	4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	112.03	
33 42 11 00-0383	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	144.48	
33 42 11 00-0384	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	192.38	
33 42 11 00-0385	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	249.42	
33 42 11 00-0386	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	311.50	
33 42 11 00-0387	EA	15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	682.10	
33 42 11 00-0388	EA	18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	949.24	
33 42 11 00-0389	EA	21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,363.53	
33 42 11 00-0390	EA	24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,887.74	
33 42 11 00-0391	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,010.47	
33 42 11 00-0392	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,864.37	
33 42 11 00-0393		Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay <small>(33 42 11 00-0380)</small>		
33 42 11 00-0394	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	136.49	
33 42 11 00-0395	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	183.67	
33 42 11 00-0396	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	238.14	
33 42 11 00-0397	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	303.13	
33 42 11 00-0398	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	374.13	
33 42 11 00-0399	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	829.14	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0400	EA 18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,186.85	
33 42 11 00-0401	EA 21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,750.38	
33 42 11 00-0402	EA 24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,311.73	
33 42 11 00-0403	EA 30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,681.28	
33 42 11 00-0404	EA 36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee.....	3,775.63	
33 42 11 00-0405	Corrugated Metal Piping ^(33 42 11)		
33 42 11 00-0406	Galvanized Corrugated Steel Piping ^(33 42 11 00-0405)		
33 42 11 00-0407	2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ^(33 42 11 00-0406)		
33 42 11 00-0408	16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ^(33 42 11 00-0407)		
33 42 11 00-0409	LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	33.97	11.56
	For Bituminous Coated Pipe, Add	2.41	
	For Bituminous Coated And 25% Paved, Add	4.92	
	For Smooth-Flo, Add	8.79	
33 42 11 00-0410	LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	37.39	12.11
	For Bituminous Coated Pipe, Add	3.03	
	For Bituminous Coated And 25% Paved, Add	6.19	
	For Smooth-Flo, Add	11.06	
33 42 11 00-0411	LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	40.94	13.21
	For Bituminous Coated Pipe, Add	3.67	
	For Bituminous Coated And 25% Paved, Add	7.50	
	For Smooth-Flo, Add	13.39	
33 42 11 00-0412	LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	45.95	14.31
	For Bituminous Coated Pipe, Add	4.39	
	For Bituminous Coated And 25% Paved, Add	8.97	
	For Smooth-Flo, Add	16.02	
33 42 11 00-0413	LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	50.61	15.41
	For Bituminous Coated Pipe, Add	4.94	
	For Bituminous Coated And 25% Paved, Add	10.10	
	For Smooth-Flo, Add	18.03	
33 42 11 00-0414	LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	67.13	19.83
	For Bituminous Coated Pipe, Add	6.40	
	For Bituminous Coated And 25% Paved, Add	13.10	
	For Smooth-Flo, Add	23.39	
33 42 11 00-0415	LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	86.94	25.25
	For Bituminous Coated Pipe, Add	8.08	
	For Bituminous Coated And 25% Paved, Add	16.52	
	For Smooth-Flo, Add	29.51	
33 42 11 00-0416	LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	97.92	29.84
	For Bituminous Coated Pipe, Add	9.56	
	For Bituminous Coated And 25% Paved, Add	19.55	
	For Smooth-Flo, Add	34.91	
33 42 11 00-0417	LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	110.15	34.43
	For Bituminous Coated Pipe, Add	10.71	
	For Bituminous Coated And 25% Paved, Add	21.90	
	For Smooth-Flo, Add	39.11	
33 42 11 00-0418	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ^(33 42 11 00-0407)		
33 42 11 00-0419	LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	36.11	11.56
	For Bituminous Coated Pipe, Add	2.44	
	For Bituminous Coated And 25% Paved, Add	5.65	
	For Smooth-Flo, Add	11.43	
33 42 11 00-0420	LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	40.03	12.11
	For Bituminous Coated Pipe, Add	3.06	
	For Bituminous Coated And 25% Paved, Add	7.09	
	For Smooth-Flo, Add	14.33	
33 42 11 00-0421	LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	44.14	13.21
	For Bituminous Coated Pipe, Add	3.71	
	For Bituminous Coated And 25% Paved, Add	8.59	
	For Smooth-Flo, Add	17.36	
33 42 11 00-0422	LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	49.65	14.31
	For Bituminous Coated Pipe, Add	4.41	
	For Bituminous Coated And 25% Paved, Add	10.21	
	For Smooth-Flo, Add	20.64	
33 42 11 00-0423	LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	54.90	15.41
	For Bituminous Coated Pipe, Add	4.99	
	For Bituminous Coated And 25% Paved, Add	11.55	
	For Smooth-Flo, Add	23.36	
33 42 11 00-0424	LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	72.37	19.83
	For Bituminous Coated Pipe, Add	6.40	
	For Bituminous Coated And 25% Paved, Add	14.84	
	For Smooth-Flo, Add	29.99	
33 42 11 00-0425	LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	93.30	25.25
	For Bituminous Coated Pipe, Add	8.03	
	For Bituminous Coated And 25% Paved, Add	18.60	
	For Smooth-Flo, Add	37.59	
33 42 11 00-0426	LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	105.21	29.84
	For Bituminous Coated Pipe, Add	9.45	
	For Bituminous Coated And 25% Paved, Add	21.89	
	For Smooth-Flo, Add	44.25	
33 42 11 00-0427	LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	118.48	34.43
	For Bituminous Coated Pipe, Add	10.62	
	For Bituminous Coated And 25% Paved, Add	24.60	
	For Smooth-Flo, Add	49.73	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0428	LF		54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	140.27 13.06 30.26 61.17	39.02
33 42 11 00-0429				12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³⁾ <small>42 11 00-0407)</small>		
	33 42 11 00-0430	LF		18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	50.75 4.24 7.66 14.73	13.21
	33 42 11 00-0431	LF		21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	57.34 5.02 9.06 17.41	14.31
	33 42 11 00-0432	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	63.66 5.69 10.27 19.74	14.31
	33 42 11 00-0433	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	83.21 7.23 13.06 25.10	19.83
	33 42 11 00-0434	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	106.16 8.94 16.15 31.03	25.25
	33 42 11 00-0435	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	120.07 10.48 18.92 36.37	29.84
	33 42 11 00-0436	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	135.51 11.83 21.37 41.06	34.43
	33 42 11 00-0437	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	159.06 14.19 25.62 49.24	39.02
	33 42 11 00-0438	LF		60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	173.79 15.54 28.06 53.92	41.32
33 42 11 00-0439				10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³⁾ <small>42 11 00-0407)</small>		
	33 42 11 00-0440	LF		36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	118.19 11.37 19.00 27.11	25.25
	33 42 11 00-0441	LF		42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	134.15 13.33 22.26 31.76	29.84
	33 42 11 00-0442	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	151.49 15.06 25.16 35.90	34.43
	33 42 11 00-0443	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	176.96 17.84 29.80 42.52	39.02
	33 42 11 00-0444	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	193.71 19.59 32.73 46.69	41.32
	33 42 11 00-0445	LF		66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	232.04 23.44 39.15 55.86	50.50
33 42 11 00-0446				3" x 1" Corrugation, Galvanized Corrugated Steel Piping ^(33 42 11 00-0406)		
33 42 11 00-0447				16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping ^(33 42 11 00-0446)		
	33 42 11 00-0448	LF		36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	97.97 8.88 20.16 40.15	25.25
	33 42 11 00-0449	LF		42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	110.58 10.43 23.68 47.14	29.84
	33 42 11 00-0450	LF		48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	124.40 11.70 26.55 52.87	34.43

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0451	LF		54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	147.06	39.02
			<i>For Bituminous Coated Pipe, Add</i>	14.29	
			<i>For Bituminous Coated And 25% Paved, Add</i>	32.44	
			<i>For Smooth-Flo, Add</i>	64.59	
33 42 11 00-0452	LF		60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	160.24	41.32
			<i>For Bituminous Coated Pipe, Add</i>	15.57	
			<i>For Bituminous Coated And 25% Paved, Add</i>	35.34	
			<i>For Smooth-Flo, Add</i>	70.37	
33 42 11 00-0453	LF		66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	198.86	50.50
			<i>For Bituminous Coated Pipe, Add</i>	20.00	
			<i>For Bituminous Coated And 25% Paved, Add</i>	45.39	
			<i>For Smooth-Flo, Add</i>	90.38	
33 42 11 00-0454	LF		72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	252.64	73.46
			<i>For Bituminous Coated Pipe, Add</i>	21.31	
			<i>For Bituminous Coated And 25% Paved, Add</i>	48.38	
			<i>For Smooth-Flo, Add</i>	96.34	
33 42 11 00-0455	LF		78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	273.86	80.34
			<i>For Bituminous Coated Pipe, Add</i>	22.64	
			<i>For Bituminous Coated And 25% Paved, Add</i>	51.39	
			<i>For Smooth-Flo, Add</i>	102.32	
33 42 11 00-0456	LF		84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	291.95	86.08
			<i>For Bituminous Coated Pipe, Add</i>	23.96	
			<i>For Bituminous Coated And 25% Paved, Add</i>	54.39	
			<i>For Smooth-Flo, Add</i>	108.30	
33 42 11 00-0457	LF		90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	310.07	91.81
			<i>For Bituminous Coated Pipe, Add</i>	25.29	
			<i>For Bituminous Coated And 25% Paved, Add</i>	57.40	
			<i>For Smooth-Flo, Add</i>	114.30	
33 42 11 00-0458	LF		96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	328.97	97.55
			<i>For Bituminous Coated Pipe, Add</i>	26.61	
			<i>For Bituminous Coated And 25% Paved, Add</i>	60.40	
			<i>For Smooth-Flo, Add</i>	120.26	
33 42 11 00-0459	LF		102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	351.12	103.29
			<i>For Bituminous Coated Pipe, Add</i>	27.94	
			<i>For Bituminous Coated And 25% Paved, Add</i>	63.42	
			<i>For Smooth-Flo, Add</i>	126.29	
33 42 11 00-0460			14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-		
			0446)		
33 42 11 00-0461	LF		54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	158.32	39.02
			<i>For Bituminous Coated Pipe, Add</i>	16.54	
			<i>For Bituminous Coated And 25% Paved, Add</i>	32.42	
			<i>For Smooth-Flo, Add</i>	65.51	
33 42 11 00-0462	LF		60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	172.69	41.32
			<i>For Bituminous Coated Pipe, Add</i>	18.06	
			<i>For Bituminous Coated And 25% Paved, Add</i>	35.39	
			<i>For Smooth-Flo, Add</i>	71.51	
33 42 11 00-0463	LF		66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	212.57	50.50
			<i>For Bituminous Coated Pipe, Add</i>	22.74	
			<i>For Bituminous Coated And 25% Paved, Add</i>	44.57	
			<i>For Smooth-Flo, Add</i>	90.04	
33 42 11 00-0464	LF		72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	267.57	73.46
			<i>For Bituminous Coated Pipe, Add</i>	24.30	
			<i>For Bituminous Coated And 25% Paved, Add</i>	47.63	
			<i>For Smooth-Flo, Add</i>	96.23	
33 42 11 00-0465	LF		78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	289.98	80.34
			<i>For Bituminous Coated Pipe, Add</i>	25.86	
			<i>For Bituminous Coated And 25% Paved, Add</i>	50.69	
			<i>For Smooth-Flo, Add</i>	102.41	
33 42 11 00-0466	LF		84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	309.35	86.08
			<i>For Bituminous Coated Pipe, Add</i>	27.44	
			<i>For Bituminous Coated And 25% Paved, Add</i>	53.78	
			<i>For Smooth-Flo, Add</i>	108.66	
33 42 11 00-0467	LF		90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	328.65	91.81
			<i>For Bituminous Coated Pipe, Add</i>	29.00	
			<i>For Bituminous Coated And 25% Paved, Add</i>	56.85	
			<i>For Smooth-Flo, Add</i>	114.86	
33 42 11 00-0468	LF		96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	348.77	97.55
			<i>For Bituminous Coated Pipe, Add</i>	30.57	
			<i>For Bituminous Coated And 25% Paved, Add</i>	59.91	
			<i>For Smooth-Flo, Add</i>	121.04	
33 42 11 00-0469	LF		102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	372.11	103.29
			<i>For Bituminous Coated Pipe, Add</i>	32.14	
			<i>For Bituminous Coated And 25% Paved, Add</i>	62.99	
			<i>For Smooth-Flo, Add</i>	127.27	
33 42 11 00-0470	LF		108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	398.09	114.77
			<i>For Bituminous Coated Pipe, Add</i>	33.71	
			<i>For Bituminous Coated And 25% Paved, Add</i>	66.08	
			<i>For Smooth-Flo, Add</i>	133.50	
33 42 11 00-0471	LF		114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	423.46	126.24
			<i>For Bituminous Coated Pipe, Add</i>	35.25	
			<i>For Bituminous Coated And 25% Paved, Add</i>	69.10	
			<i>For Smooth-Flo, Add</i>	139.61	
33 42 11 00-0472			12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-		
			0446)		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0473		LF	60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	200.33 23.59 44.93 73.23	41.32
	33 42 11 00-0474		LF	66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	243.17 28.86 54.97 89.60	50.50
	33 42 11 00-0475		LF	72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	300.85 30.96 58.97 96.12	73.46
	33 42 11 00-0476		LF	78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	325.96 33.06 62.98 102.65	80.34
	33 42 11 00-0477		LF	84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	348.00 35.17 67.00 109.20	86.08
	33 42 11 00-0478		LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	369.99 37.27 71.00 115.73	91.81
	33 42 11 00-0479		LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	392.83 39.38 75.02 122.27	97.55
	33 42 11 00-0480		LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	418.87 41.49 79.04 128.83	103.29
	33 42 11 00-0481		LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	447.49 43.59 83.04 135.35	114.77
	33 42 11 00-0482		LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	475.59 45.68 87.02 141.84	126.24
	33 42 11 00-0483		LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	502.36 47.79 91.04 148.39	137.72
	33 42 11 00-0484			10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0446)</small>		
	33 42 11 00-0485		LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	331.88 37.16 70.61 94.39	73.46
	33 42 11 00-0486		LF	78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	359.53 39.77 75.57 101.02	80.34
	33 42 11 00-0487		LF	84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	384.12 42.39 80.55 107.68	86.08
	33 42 11 00-0488		LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	408.66 45.01 85.51 114.32	91.81
	33 42 11 00-0489		LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	434.05 47.62 90.48 120.96	97.55
	33 42 11 00-0490		LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	462.63 50.24 95.46 127.61	103.29
	33 42 11 00-0491		LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	493.80 52.85 100.42 134.25	114.77
	33 42 11 00-0492		LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	524.42 55.45 105.35 140.83	126.24
	33 42 11 00-0493		LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	553.76 58.07 110.34 147.50	137.72
	33 42 11 00-0494		LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	585.25 60.67 115.28 154.11	149.20

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0495	LF 132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	619.63 63.29 120.26 160.77	160.67
33 42 11 00-0496	LF 138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	657.51 65.92 125.25 167.44	172.15
33 42 11 00-0497	125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0406)		
33 42 11 00-0498	16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0497)		
33 42 11 00-0499	LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	124.73 14.71 33.53 53.23	34.43
33 42 11 00-0500	LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	147.68 18.02 41.08 65.22	39.02
33 42 11 00-0501	LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	160.79 19.60 44.68 70.94	41.32
33 42 11 00-0502	LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	197.56 24.67 56.25 89.31	50.50
33 42 11 00-0503	LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	251.19 26.28 59.92 95.13	73.46
33 42 11 00-0504	LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	272.21 27.89 63.58 100.94	80.34
33 42 11 00-0505	LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	290.08 29.48 67.22 106.73	86.08
33 42 11 00-0506	LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	307.93 31.08 70.85 112.49	91.81
33 42 11 00-0507	LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	326.70 32.69 74.53 118.34	97.55
33 42 11 00-0508	LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	348.80 34.35 78.31 124.33	103.29
33 42 11 00-0509	14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0497)		
33 42 11 00-0510	LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	161.76 17.23 40.49 73.31	39.02
33 42 11 00-0511	LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	176.44 18.81 44.20 80.03	41.32
33 42 11 00-0512	LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	214.64 23.15 54.41 98.51	50.50
33 42 11 00-0513	LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	269.64 24.71 58.08 105.16	73.46
33 42 11 00-0514	LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	292.33 26.33 61.88 112.04	80.34
33 42 11 00-0515	LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	311.77 27.92 65.62 118.82	86.08
33 42 11 00-0516	LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	330.39 29.35 68.98 124.89	91.81

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0517	LF		96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	351.44 31.10 73.09 132.33	97.55
	33 42 11 00-0518	LF		102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	374.86 32.69 76.82 139.09	103.29
	33 42 11 00-0519	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	400.83 34.26 80.51 145.78	114.77
	33 42 11 00-0520	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	426.56 35.87 84.30 152.64	126.24
33 42 11 00-0521				12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0497)</small>		
	33 42 11 00-0522	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	205.75 24.67 46.87 84.62	41.32
	33 42 11 00-0523	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	246.92 29.61 56.26 101.56	50.50
	33 42 11 00-0524	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	304.99 31.78 60.39 109.02	73.46
	33 42 11 00-0525	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	330.40 33.95 64.50 116.43	80.34
	33 42 11 00-0526	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	352.59 36.09 68.57 123.78	86.08
	33 42 11 00-0527	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	374.93 38.26 72.69 131.23	91.81
	33 42 11 00-0528	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	398.02 40.42 76.79 138.63	97.55
	33 42 11 00-0529	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	424.26 42.57 80.88 146.01	103.29
	33 42 11 00-0530	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	453.23 44.74 85.01 153.46	114.77
	33 42 11 00-0531	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	481.68 46.90 89.11 160.86	126.24
	33 42 11 00-0532	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	508.67 49.05 93.20 168.26	137.72
33 42 11 00-0533				10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0497)</small>		
	33 42 11 00-0534	LF		72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	338.84 38.55 73.25 115.08	73.46
	33 42 11 00-0535	LF		78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	367.40 41.35 78.56 123.42	80.34
	33 42 11 00-0536	LF		84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	392.53 44.08 83.74 131.57	86.08
	33 42 11 00-0537	LF		90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	417.54 46.78 88.89 139.64	91.81
	33 42 11 00-0538	LF		96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	443.53 49.52 94.08 147.81	97.55

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0539	LF	102"	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	472.57	103.29
			<i>For Bituminous Coated Pipe, Add</i>	52.23	
			<i>For Bituminous Coated And 25% Paved, Add</i>	99.24	
			<i>For Smooth-Flo, Add</i>	155.91	
33 42 11 00-0540	LF	108"	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	504.33	114.77
			<i>For Bituminous Coated Pipe, Add</i>	54.96	
			<i>For Bituminous Coated And 25% Paved, Add</i>	104.42	
			<i>For Smooth-Flo, Add</i>	164.06	
33 42 11 00-0541	LF	114"	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	535.62	126.24
			<i>For Bituminous Coated Pipe, Add</i>	57.69	
			<i>For Bituminous Coated And 25% Paved, Add</i>	109.60	
			<i>For Smooth-Flo, Add</i>	172.19	
33 42 11 00-0542	LF	120"	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	565.39	137.72
			<i>For Bituminous Coated Pipe, Add</i>	60.40	
			<i>For Bituminous Coated And 25% Paved, Add</i>	114.76	
			<i>For Smooth-Flo, Add</i>	180.29	
33 42 11 00-0543	LF	126"	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	601.78	149.20
			<i>For Bituminous Coated Pipe, Add</i>	63.98	
			<i>For Bituminous Coated And 25% Paved, Add</i>	121.56	
			<i>For Smooth-Flo, Add</i>	190.97	
33 42 11 00-0544	LF	132"	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	637.80	160.67
			<i>For Bituminous Coated Pipe, Add</i>	66.93	
			<i>For Bituminous Coated And 25% Paved, Add</i>	127.16	
			<i>For Smooth-Flo, Add</i>	199.78	
33 42 11 00-0545	LF	138"	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	677.88	172.15
			<i>For Bituminous Coated Pipe, Add</i>	69.99	
			<i>For Bituminous Coated And 25% Paved, Add</i>	132.99	
			<i>For Smooth-Flo, Add</i>	208.93	
33 42 11 00-0546			Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0406)		
33 42 11 00-0547			16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0546)		
33 42 11 00-0548	LF	18"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	45.24	13.21
			<i>For Bituminous Coated Pipe, Add</i>	4.53	
33 42 11 00-0549	LF	21"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	51.00	14.31
			<i>For Bituminous Coated Pipe, Add</i>	5.40	
33 42 11 00-0550	LF	24"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	56.52	15.41
			<i>For Bituminous Coated Pipe, Add</i>	6.13	
33 42 11 00-0551	LF	30"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	74.57	19.83
			<i>For Bituminous Coated Pipe, Add</i>	7.90	
33 42 11 00-0552	LF	36"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	96.05	25.25
			<i>For Bituminous Coated Pipe, Add</i>	9.90	
33 42 11 00-0553	LF	42"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	108.53	29.84
			<i>For Bituminous Coated Pipe, Add</i>	11.67	
33 42 11 00-0554	LF	48"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	122.30	34.43
			<i>For Bituminous Coated Pipe, Add</i>	13.14	
33 42 11 00-0555	LF	54"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	144.69	39.02
			<i>For Bituminous Coated Pipe, Add</i>	16.10	
33 42 11 00-0556	LF	60"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	157.82	41.32
			<i>For Bituminous Coated Pipe, Add</i>	17.57	
33 42 11 00-0557			14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0546)		
33 42 11 00-0558	LF	18"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	48.48	13.21
			<i>For Bituminous Coated Pipe, Add</i>	5.24	
33 42 11 00-0559	LF	21"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	54.79	14.31
			<i>For Bituminous Coated Pipe, Add</i>	6.23	
33 42 11 00-0560	LF	24"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	60.84	15.41
			<i>For Bituminous Coated Pipe, Add</i>	7.08	
33 42 11 00-0561	LF	30"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	79.94	19.83
			<i>For Bituminous Coated Pipe, Add</i>	9.07	
33 42 11 00-0562	LF	36"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	102.51	25.25
			<i>For Bituminous Coated Pipe, Add</i>	11.31	
33 42 11 00-0563	LF	42"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	116.10	29.84
			<i>For Bituminous Coated Pipe, Add</i>	13.32	
33 42 11 00-0564	LF	48"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	130.94	34.43
			<i>For Bituminous Coated Pipe, Add</i>	15.02	
33 42 11 00-0565	LF	54"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	154.40	39.02
			<i>For Bituminous Coated Pipe, Add</i>	18.20	
33 42 11 00-0566	LF	60"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	168.63	41.32
			<i>For Bituminous Coated Pipe, Add</i>	19.92	
33 42 11 00-0567	LF	66"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	206.00	50.50
			<i>For Bituminous Coated Pipe, Add</i>	24.74	
33 42 11 00-0568	LF	72"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	260.53	73.46
			<i>For Bituminous Coated Pipe, Add</i>	26.44	
33 42 11 00-0569	LF	78"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	282.59	80.34
			<i>For Bituminous Coated Pipe, Add</i>	28.16	
33 42 11 00-0570			12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0546)		
33 42 11 00-0571	LF	30"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	90.82	19.83
			<i>For Bituminous Coated Pipe, Add</i>	9.48	
33 42 11 00-0572	LF	36"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	115.52	25.25
			<i>For Bituminous Coated Pipe, Add</i>	11.71	
33 42 11 00-0573	LF	42"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	131.32	29.84
			<i>For Bituminous Coated Pipe, Add</i>	13.78	
33 42 11 00-0574	LF	48"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	148.32	34.43
			<i>For Bituminous Coated Pipe, Add</i>	15.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0575	LF		54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	173.97 18.59	39.02
33 42 11 00-0576	LF		60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	190.39 20.41	41.32
33 42 11 00-0577	LF		66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	229.89 24.76	50.50
33 42 11 00-0578	LF		72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	286.57 26.55	73.46
33 42 11 00-0579	LF		78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	310.78 28.37	80.34
33 42 11 00-0580	LF		84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	331.82 30.18	86.08
33 42 11 00-0581	LF		90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	352.84 31.98	91.81
33 42 11 00-0582	LF		96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	374.68 33.78	97.55
33 42 11 00-0583	LF		102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	398.65 35.39	103.29
33 42 11 00-0584			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0406)		
33 42 11 00-0585			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0584)		
33 42 11 00-0586	LF		6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	17.94 1.16	6.61
33 42 11 00-0587	LF		6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	18.90 1.39	6.61
33 42 11 00-0588	LF		8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	22.27 1.53	8.26
33 42 11 00-0589	LF		8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	23.50 1.83	8.26
33 42 11 00-0590	LF		10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	28.19 1.93	9.91
33 42 11 00-0591	LF		10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	29.74 2.31	9.91
33 42 11 00-0592			Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0584)		
33 42 11 00-0593	LF		6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	18.07 1.14	6.61
33 42 11 00-0594	LF		6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	19.01 1.36	6.61
33 42 11 00-0595	LF		8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	22.41 1.50	8.26
33 42 11 00-0596	LF		8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	23.71 1.81	8.26
33 42 11 00-0597	LF		10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	28.42 1.90	9.91
33 42 11 00-0598	LF		10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	30.01 2.27	9.91
33 42 11 00-0599			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings (33 42 11 00-0584)		
33 42 11 00-0600	EA		6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	7.15 1.61	
33 42 11 00-0601	EA		8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	9.47 2.13	
33 42 11 00-0602	EA		10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	11.61 2.61	
33 42 11 00-0603	EA		6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	25.79 3.56	
33 42 11 00-0604	EA		6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	8.40 0.81	
33 42 11 00-0605	EA		8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	10.20 1.22	
33 42 11 00-0606			2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0606)		
33 42 11 00-0607			16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0606)		
33 42 11 00-0608	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	48.16	11.56
33 42 11 00-0609	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	55.28	12.11
33 42 11 00-0610	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	62.64	13.21
33 42 11 00-0611	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	71.88	14.31
33 42 11 00-0612	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	79.82	15.41
33 42 11 00-0613	LF		30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	104.97	19.83
33 42 11 00-0614	LF		36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	134.72	25.25
33 42 11 00-0615	LF		42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	154.45	29.84
33 42 11 00-0616	LF		48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	173.47	34.43
33 42 11 00-0617			14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0606)		
33 42 11 00-0618	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	53.38	11.56
33 42 11 00-0619	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	61.75	12.11
33 42 11 00-0620	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	70.39	13.21

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 42 11 00-0621	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	80.85		14.31
33 42 11 00-0622	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	90.24		15.41
33 42 11 00-0623	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	117.77		19.83
33 42 11 00-0624	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	150.17		25.25
33 42 11 00-0625	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	172.17		29.84
33 42 11 00-0626	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	193.71		34.43
33 42 11 00-0627	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	232.79		39.02
33 42 11 00-0628		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42			
		<small>11 00-0606)</small>			
33 42 11 00-0629	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	86.54		13.21
33 42 11 00-0630	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	99.72		14.31
33 42 11 00-0631	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	111.69		15.41
33 42 11 00-0632	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	144.56		19.83
33 42 11 00-0633	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	175.75		25.25
33 42 11 00-0634	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	209.65		29.84
33 42 11 00-0635	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	236.47		34.43
33 42 11 00-0636	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	281.59		39.02
33 42 11 00-0637	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	307.62		41.32
33 42 11 00-0638	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	375.89		50.50
33 42 11 00-0639		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42			
		<small>11 00-0606)</small>			
33 42 11 00-0640	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	211.69		25.25
33 42 11 00-0641	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	243.79		29.84
33 42 11 00-0642	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	275.25		34.43
33 42 11 00-0643	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	325.03		39.02
33 42 11 00-0644	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	355.98		41.32
33 42 11 00-0645	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	429.01		50.50
33 42 11 00-0646	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	500.01		73.46
33 42 11 00-0647		3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0406)			
33 42 11 00-0648		16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0647)			
33 42 11 00-0649	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	164.38		25.25
33 42 11 00-0650	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	188.64		29.84
33 42 11 00-0651	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	211.81		34.43
33 42 11 00-0652	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	254.60		39.02
33 42 11 00-0653	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	277.25		41.32
33 42 11 00-0654	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	350.47		50.50
33 42 11 00-0655	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	414.04		73.46
33 42 11 00-0656	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	445.01		80.34
33 42 11 00-0657	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	472.91		86.08
33 42 11 00-0658	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	500.84		91.81
33 42 11 00-0659	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	529.52		97.55
33 42 11 00-0660	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	561.51		103.29
33 42 11 00-0661		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0647)			
33 42 11 00-0662	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	282.53		39.02
33 42 11 00-0663	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	308.12		41.32
33 42 11 00-0664	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	384.48		50.50
33 42 11 00-0665	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	451.02		73.46
33 42 11 00-0666	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	485.01		80.34
33 42 11 00-0667	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	516.05		86.08
33 42 11 00-0668	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	546.91		91.81
33 42 11 00-0669	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	578.59		97.55
33 42 11 00-0670	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	613.62		103.29
33 42 11 00-0671	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	651.21		114.77
33 42 11 00-0672	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	687.99		126.24
33 42 11 00-0673		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0647)			
33 42 11 00-0674	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	378.35		41.32
33 42 11 00-0675	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	462.61		50.50
33 42 11 00-0676	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	535.93		73.46
33 42 11 00-0677	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	576.73		80.34
33 42 11 00-0678	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	614.54		86.08
33 42 11 00-0679	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	652.21		91.81
33 42 11 00-0680	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	690.76		97.55
33 42 11 00-0681	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	732.56		103.29
33 42 11 00-0682	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	776.86		114.77
33 42 11 00-0683	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	820.55		126.24
33 42 11 00-0684	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	863.09		137.72
33 42 11 00-0685		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0647)			
33 42 11 00-0686	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	613.29		73.46
33 42 11 00-0687	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	660.39		80.34
33 42 11 00-0688	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	704.56		86.08
33 42 11 00-0689	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	748.57		91.81
33 42 11 00-0690	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	793.48		97.55

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

33 42 11 00-0691	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	841.62	103.29
33 42 11 00-0692	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	892.29	114.77
33 42 11 00-0693	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	942.29	126.24
33 42 11 00-0694	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	991.18	137.72
33 42 11 00-0695	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,042.11	149.20
33 42 11 00-0696	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,096.05	160.67
33 42 11 00-0697	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,153.50	172.15

33 42 11 00-0698 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0406)

33 42 11 00-0699 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0698)

33 42 11 00-0700	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	205.79	34.43
33 42 11 00-0701	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	247.97	39.02
33 42 11 00-0702	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	269.66	41.32
33 42 11 00-0703	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	336.36	50.50
33 42 11 00-0704	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	398.77	73.46
33 42 11 00-0705	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	428.54	80.34
33 42 11 00-0706	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	455.08	86.08
33 42 11 00-0707	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	481.57	91.81
33 42 11 00-0708	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	509.12	97.55
33 42 11 00-0709	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	540.27	103.29

33 42 11 00-0710 14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0698)

33 42 11 00-0711	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	281.14	39.02
33 42 11 00-0712	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	306.60	41.32
33 42 11 00-0713	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	376.66	50.50
33 42 11 00-0714	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	442.32	73.46
33 42 11 00-0715	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	476.01	80.34
33 42 11 00-0716	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	506.25	86.08
33 42 11 00-0717	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	534.60	91.81
33 42 11 00-0718	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	567.52	97.55
33 42 11 00-0719	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	601.76	103.29
33 42 11 00-0720	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	638.41	114.77
33 42 11 00-0721	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	675.10	126.24

33 42 11 00-0722 12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0698)

33 42 11 00-0723	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	380.66	41.32
33 42 11 00-0724	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	458.59	50.50
33 42 11 00-0725	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	531.98	73.46
33 42 11 00-0726	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	572.49	80.34
33 42 11 00-0727	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	609.67	86.08
33 42 11 00-0728	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	647.26	91.81
33 42 11 00-0729	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	685.48	97.55
33 42 11 00-0730	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	726.76	103.29
33 42 11 00-0731	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	770.97	114.77
33 42 11 00-0732	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	814.53	126.24
33 42 11 00-0733	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	856.62	137.72

33 42 11 00-0734 10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0698)

33 42 11 00-0735	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	613.26	73.46
33 42 11 00-0736	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	661.33	80.34
33 42 11 00-0737	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	705.63	86.08
33 42 11 00-0738	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	749.61	91.81
33 42 11 00-0739	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	794.71	97.55
33 42 11 00-0740	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	842.79	103.29
33 42 11 00-0741	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	893.65	114.77
33 42 11 00-0742	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	944.03	126.24
33 42 11 00-0743	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	992.83	137.72
33 42 11 00-0744	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,054.28	149.20
33 42 11 00-0745	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,111.00	160.67
33 42 11 00-0746	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,172.55	172.15

33 42 11 00-0747 Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0405)

33 42 11 00-0748 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0747)

33 42 11 00-0749 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0748)

33 42 11 00-0750	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	38.11	12.11
		<i>For Bituminous Coated Pipe, Add</i>	3.29	
		<i>For Bituminous Coated And 25% Paved, Add</i>	7.96	
		<i>For Smooth-Flo, Add</i>	13.14	
33 42 11 00-0751	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	41.59	13.21
		<i>For Bituminous Coated Pipe, Add</i>	3.93	
		<i>For Bituminous Coated And 25% Paved, Add</i>	9.51	
		<i>For Smooth-Flo, Add</i>	15.69	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0752	LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	46.85 4.74 11.45 18.89	14.31
33 42 11 00-0753	LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	52.13 5.46 13.20 21.77	15.41
33 42 11 00-0754	LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	68.50 6.93 16.75 27.64	19.83
33 42 11 00-0755	LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	89.46 8.94 21.61 35.65	25.25
33 42 11 00-0756	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0748)</small>		
33 42 11 00-0757	LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	40.78 3.42 8.00 13.12	12.11
33 42 11 00-0758	LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	44.86 4.10 9.59 15.73	13.21
33 42 11 00-0759	LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	50.50 4.87 11.40 18.70	14.31
33 42 11 00-0760	LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	56.35 5.62 13.15 21.57	15.41
33 42 11 00-0761	LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	73.77 7.12 16.65 27.31	19.83
33 42 11 00-0762	LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	95.72 9.06 21.21 34.78	25.25
33 42 11 00-0763	LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	108.66 10.80 25.27 41.44	29.84
33 42 11 00-0764	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0748)</small>		
33 42 11 00-0765	LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	56.99 4.44 9.87 15.18	13.77
33 42 11 00-0766	LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	64.24 5.26 11.71 18.00	14.92
33 42 11 00-0767	LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	71.60 6.03 13.42 20.64	16.07
33 42 11 00-0768	LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	93.34 7.60 16.91 25.99	20.66
33 42 11 00-0769	LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	108.51 9.51 21.16 32.53	25.25
33 42 11 00-0770	LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	123.41 11.24 25.02 38.47	29.84
33 42 11 00-0771	LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	142.97 13.33 29.67 45.62	34.43
33 42 11 00-0772	LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	160.71 14.72 32.76 50.38	39.02
33 42 11 00-0773	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0748)</small>		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0774		LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	120.54 11.45 24.11 30.41	25.25
	33 42 11 00-0775		LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	137.44 13.51 28.44 35.87	29.84
	33 42 11 00-0776		LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	158.88 15.90 33.47 42.21	34.43
	33 42 11 00-0777		LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	178.69 17.63 37.11 46.80	39.02
	33 42 11 00-0778		LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	195.56 19.35 40.74 51.37	41.32
	33 42 11 00-0779			3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0747)</small>		
	33 42 11 00-0780			14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0779)</small>		
	33 42 11 00-0781		LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	160.54 16.99 51.64 57.75	39.02
	33 42 11 00-0782		LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	175.34 18.59 56.51 63.20	41.32
	33 42 11 00-0783		LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	215.61 23.35 70.97 79.38	50.50
	33 42 11 00-0784		LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	271.21 25.03 76.09 85.10	73.46
	33 42 11 00-0785		LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	294.65 26.80 81.46 91.11	80.34
	33 42 11 00-0786		LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	315.02 28.57 86.86 97.15	86.08
	33 42 11 00-0787		LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	335.34 30.34 92.24 103.16	91.81
	33 42 11 00-0788		LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	356.46 32.10 97.60 109.15	97.55
	33 42 11 00-0789			12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0779)</small>		
	33 42 11 00-0790		LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	203.00 24.12 63.19 74.77	41.32
	33 42 11 00-0791		LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	246.29 29.48 77.24 91.39	50.50
	33 42 11 00-0792		LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	304.62 31.71 83.08 98.30	73.46
	33 42 11 00-0793		LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	330.75 34.02 89.12 105.45	80.34
	33 42 11 00-0794		LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	353.81 36.33 95.19 112.63	86.08
	33 42 11 00-0795		LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	376.85 38.64 101.25 119.80	91.81
	33 42 11 00-0796		LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	400.67 40.95 107.28 126.93	97.55

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0797	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	427.78 43.27 113.37 134.14	103.29
33 42 11 00-0798	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	457.45 45.58 119.43 141.31	114.77
33 42 11 00-0799	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	487.82 48.13 126.09 149.19	126.24
33 42 11 00-0800			10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0779)</small>		
33 42 11 00-0801	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	335.65 37.92 90.24 98.01	73.46
33 42 11 00-0802	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	364.35 40.74 96.95 105.30	80.34
33 42 11 00-0803	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	389.96 43.56 103.68 112.61	86.08
33 42 11 00-0804	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	415.50 46.37 110.37 119.88	91.81
33 42 11 00-0805	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	441.89 49.19 117.07 127.16	97.55
33 42 11 00-0806	LF		117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	471.52 52.02 123.81 134.47	103.29
33 42 11 00-0807	LF		128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	503.73 54.84 130.52 141.76	114.77
33 42 11 00-0808	LF		137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	536.45 57.85 137.69 149.55	126.24
33 42 11 00-0809	LF		142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	570.73 61.47 146.29 158.89	137.72
33 42 11 00-0810			125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0747)</small>		
33 42 11 00-0811			12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0810)</small>		
33 42 11 00-0812	LF		81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	307.66 32.32 78.86 100.35	73.46
33 42 11 00-0813	LF		87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	333.50 34.57 84.34 107.33	80.34
33 42 11 00-0814	LF		95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	356.08 36.79 89.76 114.22	86.08
33 42 11 00-0815	LF		103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	378.67 39.01 95.18 121.12	91.81
33 42 11 00-0816	LF		112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	402.17 41.25 100.64 128.07	97.55
33 42 11 00-0817	LF		117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	429.03 43.52 106.19 135.14	103.29
33 42 11 00-0818	LF		128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	458.45 45.78 111.71 142.16	114.77
33 42 11 00-0819	LF		137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	490.29 48.62 118.63 150.97	126.24

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

33 42 11 00-0820	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0810)</small>		
33 42 11 00-0821	LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	342.01	73.46
	<i>For Bituminous Coated Pipe, Add</i>	39.19	
	<i>For Bituminous Coated And 25% Paved, Add</i>	88.56	
	<i>For Smooth-Flo, Add</i>	96.21	
33 42 11 00-0822	LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	370.59	80.34
	<i>For Bituminous Coated Pipe, Add</i>	41.98	
	<i>For Bituminous Coated And 25% Paved, Add</i>	94.88	
	<i>For Smooth-Flo, Add</i>	103.07	
33 42 11 00-0823	LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	395.98	86.08
	<i>For Bituminous Coated Pipe, Add</i>	44.77	
	<i>For Bituminous Coated And 25% Paved, Add</i>	101.17	
	<i>For Smooth-Flo, Add</i>	109.90	
33 42 11 00-0824	LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	421.44	91.81
	<i>For Bituminous Coated Pipe, Add</i>	47.56	
	<i>For Bituminous Coated And 25% Paved, Add</i>	107.49	
	<i>For Smooth-Flo, Add</i>	116.76	
33 42 11 00-0825	LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	447.25	97.55
	<i>For Bituminous Coated Pipe, Add</i>	50.26	
	<i>For Bituminous Coated And 25% Paved, Add</i>	113.59	
	<i>For Smooth-Flo, Add</i>	123.39	
33 42 11 00-0826	LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	477.29	103.29
	<i>For Bituminous Coated Pipe, Add</i>	53.17	
	<i>For Bituminous Coated And 25% Paved, Add</i>	120.17	
	<i>For Smooth-Flo, Add</i>	130.54	
33 42 11 00-0827	LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	509.55	114.77
	<i>For Bituminous Coated Pipe, Add</i>	56.00	
	<i>For Bituminous Coated And 25% Paved, Add</i>	126.57	
	<i>For Smooth-Flo, Add</i>	137.49	
33 42 11 00-0828	LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	544.21	126.24
	<i>For Bituminous Coated Pipe, Add</i>	59.40	
	<i>For Bituminous Coated And 25% Paved, Add</i>	134.25	
	<i>For Smooth-Flo, Add</i>	145.84	
33 42 11 00-0829	LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	576.47	137.72
	<i>For Bituminous Coated Pipe, Add</i>	62.61	
	<i>For Bituminous Coated And 25% Paved, Add</i>	141.51	
	<i>For Smooth-Flo, Add</i>	153.72	
33 42 11 00-0830	2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0747)</small>		
33 42 11 00-0831	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0830)</small>		
33 42 11 00-0832	LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	55.32	12.11
33 42 11 00-0833	LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	62.17	13.21
33 42 11 00-0834	LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	71.68	14.31
33 42 11 00-0835	LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	80.77	15.41
33 42 11 00-0836	LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	104.99	19.83
33 42 11 00-0837	LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	136.86	25.25
33 42 11 00-0838	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0830)</small>		
33 42 11 00-0839	LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	61.47	12.11
33 42 11 00-0840	LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	69.67	13.21
33 42 11 00-0841	LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	80.06	14.31
33 42 11 00-0842	LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	90.51	15.41
33 42 11 00-0843	LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	117.10	19.83
33 42 11 00-0844	LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	151.26	25.25
33 42 11 00-0845	LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	174.96	29.84
33 42 11 00-0846	12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0830)</small>		
33 42 11 00-0847	LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	88.07	13.21
33 42 11 00-0848	LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	101.85	14.31
33 42 11 00-0849	LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	115.19	15.41
33 42 11 00-0850	LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	147.91	19.83
33 42 11 00-0851	LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	188.47	25.25
33 42 11 00-0852	LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	218.29	29.84
33 42 11 00-0853	LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	256.26	34.43
33 42 11 00-0854	LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	285.47	39.02
33 42 11 00-0855	10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0830)</small>		
33 42 11 00-0856	LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	217.65	25.25
33 42 11 00-0857	LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	252.34	29.84
33 42 11 00-0858	LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	294.85	34.43
33 42 11 00-0859	LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	329.11	39.02
33 42 11 00-0860	LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	360.37	41.32
33 42 11 00-0861	3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0747)</small>		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0862 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0861)</small>		
33 42 11 00-0863 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	288.01	39.02
33 42 11 00-0864 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	314.57	41.32
33 42 11 00-0865 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	391.96	50.50
33 42 11 00-0866 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	460.01	73.46
33 42 11 00-0867 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	496.55	80.34
33 42 11 00-0868 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	530.06	86.08
33 42 11 00-0869 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	563.44	91.81
33 42 11 00-0870 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	597.72	97.55
33 42 11 00-0871 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0861)</small>		
33 42 11 00-0872 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	384.94	41.32
33 42 11 00-0873 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	470.29	50.50
33 42 11 00-0874 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	545.26	73.46
33 42 11 00-0875 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	588.60	80.34
33 42 11 00-0876 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	628.94	86.08
33 42 11 00-0877 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	669.23	91.81
33 42 11 00-0878 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	710.27	97.55
33 42 11 00-0879 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	754.71	103.29
33 42 11 00-0880 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	801.63	114.77
33 42 11 00-0881 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	850.98	126.24
33 42 11 00-0882 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0861)</small>		
33 42 11 00-0883 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	622.61	73.46
33 42 11 00-0884 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	672.34	80.34
33 42 11 00-0885 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	719.07	86.08
33 42 11 00-0886 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	765.57	91.81
33 42 11 00-0887 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	812.98	97.55
33 42 11 00-0888 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	863.74	103.29
33 42 11 00-0889 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	917.04	114.77
33 42 11 00-0890 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	972.20	126.24
33 42 11 00-0891 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,033.44	137.72
33 42 11 00-0892 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0747)</small>		
33 42 11 00-0893 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0892)</small>		
33 42 11 00-0894 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	538.31	73.46
33 42 11 00-0895 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	579.90	80.34
33 42 11 00-0896 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	618.08	86.08
33 42 11 00-0897 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	656.20	91.81
33 42 11 00-0898 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	695.36	97.55
33 42 11 00-0899 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	738.18	103.29
33 42 11 00-0900 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	783.43	114.77
33 42 11 00-0901 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	835.13	126.24
33 42 11 00-0902 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0892)</small>		
33 42 11 00-0903 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	620.80	73.46
33 42 11 00-0904 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	668.94	80.34
33 42 11 00-0905 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	713.81	86.08
33 42 11 00-0906 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	758.86	91.81
33 42 11 00-0907 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	803.64	97.55
33 42 11 00-0908 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	854.03	103.29
33 42 11 00-0909 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	906.14	114.77
33 42 11 00-0910 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	964.70	126.24
33 42 11 00-0911 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,019.33	137.72
33 42 11 00-0912 Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0405)</small>		
33 42 11 00-0913 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0912)</small>		
33 42 11 00-0914 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0913)</small>		
33 42 11 00-0915 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	36.16	11.56
For 1/2 Bituminous Coated And 25% Paved, Add	4.90	
33 42 11 00-0916 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	40.16	12.11
For 1/2 Bituminous Coated And 25% Paved, Add	6.17	
33 42 11 00-0917 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	44.31	13.21
For 1/2 Bituminous Coated And 25% Paved, Add	7.48	
33 42 11 00-0918 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	49.97	14.31
For 1/2 Bituminous Coated And 25% Paved, Add	8.94	
33 42 11 00-0919 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	55.15	15.41
For 1/2 Bituminous Coated And 25% Paved, Add	10.08	
33 42 11 00-0920 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	73.02	19.83
For 1/2 Bituminous Coated And 25% Paved, Add	13.07	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0921	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	94.38 16.49	25.25
33 42 11 00-0922	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	106.71 19.51	29.84
33 42 11 00-0923	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	120.01 21.86	34.43
33 42 11 00-0924		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0913)</small>		
33 42 11 00-0925	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	38.81 4.66	11.56
33 42 11 00-0926	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	43.43 5.84	12.11
33 42 11 00-0927	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	48.21 7.06	13.21
33 42 11 00-0928	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	54.49 8.40	14.31
33 42 11 00-0929	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	60.39 9.51	15.41
33 42 11 00-0930	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	79.44 12.21	19.83
33 42 11 00-0931	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	102.14 15.30	25.25
33 42 11 00-0932	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	115.65 18.02	29.84
33 42 11 00-0933	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	130.19 20.25	34.43
33 42 11 00-0934	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	154.65 24.90	39.02
33 42 11 00-0935		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0913)</small>		
33 42 11 00-0936	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.40 6.58	13.21
33 42 11 00-0937	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	64.05 7.79	14.31
33 42 11 00-0938	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	71.25 8.82	15.41
33 42 11 00-0939	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	92.99 11.25	19.83
33 42 11 00-0940	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	118.49 13.96	25.25
33 42 11 00-0941	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	134.60 16.38	29.84
33 42 11 00-0942	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	151.81 18.47	34.43
33 42 11 00-0943	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	179.34 22.30	39.02
33 42 11 00-0944	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	195.81 24.38	41.32
33 42 11 00-0945	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	238.35 29.99	50.50
33 42 11 00-0946		10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0913)</small>		
33 42 11 00-0947	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	133.20 15.29	25.25
33 42 11 00-0948	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	151.80 17.93	29.84
33 42 11 00-0949	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	171.33 20.24	34.43
33 42 11 00-0950	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	201.23 24.12	39.02
33 42 11 00-0951	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	220.18 26.45	41.32
33 42 11 00-0952	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	265.12 31.92	50.50
33 42 11 00-0953	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	324.29 34.22	73.46
33 42 11 00-0954		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0912)</small>		
33 42 11 00-0955		16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0954)</small>		
33 42 11 00-0956	LF	36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	105.93 18.33	25.25
33 42 11 00-0957	LF	42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	119.94 21.53	29.84
33 42 11 00-0958	LF	48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	134.89 24.14	34.43
33 42 11 00-0959	LF	54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	159.86 29.49	39.02

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0960	LF 60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	174.19 32.13	41.32
33 42 11 00-0961	LF 66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	216.78 41.27	50.50
33 42 11 00-0962	LF 72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	271.74 43.98	73.46
33 42 11 00-0963	LF 78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	294.13 46.71	80.34
33 42 11 00-0964	LF 84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	313.42 49.44	86.08
33 42 11 00-0965	LF 90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	332.71 52.18	91.81
33 42 11 00-0966	LF 96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	352.81 54.90	97.55
33 42 11 00-0967	LF 102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	376.16 57.66	103.29
33 42 11 00-0968	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
	<small>(33 42 11 00-0964)</small>		
33 42 11 00-0969	LF 54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	173.14 25.55	39.02
33 42 11 00-0970	LF 60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	188.87 27.90	41.32
33 42 11 00-0971	LF 66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	232.94 35.12	50.50
33 42 11 00-0972	LF 72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	289.34 37.54	73.46
33 42 11 00-0973	LF 78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	313.15 39.95	80.34
33 42 11 00-0974	LF 84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	333.94 42.39	86.08
33 42 11 00-0975	LF 90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	354.63 44.80	91.81
33 42 11 00-0976	LF 96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	376.16 47.22	97.55
33 42 11 00-0977	LF 102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	400.92 49.65	103.29
33 42 11 00-0978	LF 108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	428.29 52.08	114.77
33 42 11 00-0979	LF 114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	455.07 54.46	126.24
33 42 11 00-0980	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
	<small>(33 42 11 00-0964)</small>		
33 42 11 00-0981	LF 60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	221.50 37.42	41.32
33 42 11 00-0982	LF 66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	269.06 45.78	50.50
33 42 11 00-0983	LF 72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	328.61 49.10	73.46
33 42 11 00-0984	LF 78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	355.61 52.44	80.34
33 42 11 00-0985	LF 84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	379.55 55.79	86.08
33 42 11 00-0986	LF 90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	403.44 59.13	91.81
33 42 11 00-0987	LF 96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	428.13 62.46	97.55
33 42 11 00-0988	LF 102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	456.07 65.81	103.29
33 42 11 00-0989	LF 108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	486.58 69.15	114.77
33 42 11 00-0990	LF 114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	516.55 72.46	126.24
33 42 11 00-0991	LF 120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	545.22 75.81	137.72
33 42 11 00-0992	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
	<small>(33 42 11 00-0964)</small>		
33 42 11 00-0993	LF 72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	365.23 60.27	73.46
33 42 11 00-0994	LF 78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	395.18 64.49	80.34
33 42 11 00-0995	LF 84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	422.14 68.75	86.08
33 42 11 00-0996	LF 90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	449.00 72.98	91.81
33 42 11 00-0997	LF 96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	476.74 77.22	97.55
33 42 11 00-0998	LF 102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	507.69 81.47	103.29
33 42 11 00-0999	LF 108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	541.18 85.70	114.77
33 42 11 00-1000	LF 114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	574.14 89.91	126.24

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-1001	LF		120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	605.83 94.17	137.72
	33 42 11 00-1002	LF		126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	639.67 98.39	149.20
	33 42 11 00-1003	LF		132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	676.40 102.64	160.67
	33 42 11 00-1004	LF		138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	716.62 106.90	172.15
	33 42 11 00-1005			125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
	33 42 11 00-1006			16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
	33 42 11 00-1007	LF		48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	135.31 29.91	34.43
	33 42 11 00-1008	LF		54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	160.64 36.65	39.02
	33 42 11 00-1009	LF		60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	174.87 39.85	41.32
	33 42 11 00-1010	LF		66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	215.29 50.17	50.50
	33 42 11 00-1011	LF		72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	270.07 53.44	73.46
	33 42 11 00-1012	LF		78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	292.26 56.72	80.34
	33 42 11 00-1013	LF		84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	311.27 59.96	86.08
	33 42 11 00-1014	LF		90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	330.24 63.19	91.81
	33 42 11 00-1015	LF		96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	350.19 66.48	97.55
	33 42 11 00-1016	LF		102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	373.49 69.85	103.29
	33 42 11 00-1017			14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
	33 42 11 00-1018	LF		54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	177.24 34.55	39.02
	33 42 11 00-1019	LF		60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	193.36 37.73	41.32
	33 42 11 00-1020	LF		66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	235.43 46.43	50.50
	33 42 11 00-1021	LF		72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	291.86 49.57	73.46
	33 42 11 00-1022	LF		78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	316.00 52.81	80.34
	33 42 11 00-1023	LF		84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	336.86 56.00	86.08
	33 42 11 00-1024	LF		90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	356.78 58.87	91.81
	33 42 11 00-1025	LF		96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	379.38 62.37	97.55
	33 42 11 00-1026	LF		102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	404.24 65.56	103.29
	33 42 11 00-1027	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	431.64 68.72	114.77
	33 42 11 00-1028	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	458.81 71.95	126.24
	33 42 11 00-1029			12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
	33 42 11 00-1030	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	227.94 41.62	41.32
	33 42 11 00-1031	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	273.55 49.96	50.50
	33 42 11 00-1032	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	333.60 53.63	73.46
	33 42 11 00-1033	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	360.93 57.27	80.34
	33 42 11 00-1034	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	385.07 60.90	86.08
	33 42 11 00-1035	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	409.38 64.56	91.81
	33 42 11 00-1036	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	434.40 68.20	97.55
	33 42 11 00-1037	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	462.58 71.83	103.29
	33 42 11 00-1038	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	493.50 75.50	114.77
	33 42 11 00-1039	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	523.89 79.14	126.24
	33 42 11 00-1040	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	552.83 82.78	137.72

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1041 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1005)</small>		
33 42 11 00-1042 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	373.57 65.07	73.46
33 42 11 00-1043 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	404.62 69.77	80.34
33 42 11 00-1044 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	432.23 74.38	86.08
33 42 11 00-1045 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	459.68 78.95	91.81
33 42 11 00-1046 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	488.09 83.55	97.55
33 42 11 00-1047 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	519.60 88.14	103.29
33 42 11 00-1048 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	553.81 92.74	114.77
33 42 11 00-1049 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	587.55 97.34	126.24
33 42 11 00-1050 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	619.76 101.92	137.72
33 42 11 00-1051 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	659.40 107.97	149.20
33 42 11 00-1052 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	698.07 112.94	160.67
33 42 11 00-1053 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	740.89 118.11	172.15
33 42 11 00-1054 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0912)</small>		
33 42 11 00-1055 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1054)</small>		
33 42 11 00-1056 LF 18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	48.78	13.21
33 42 11 00-1057 LF 21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	55.14	14.31
33 42 11 00-1058 LF 24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	61.27	15.41
33 42 11 00-1059 LF 30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	80.49	19.83
33 42 11 00-1060 LF 36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	103.14	25.25
33 42 11 00-1061 LF 42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	116.82	29.84
33 42 11 00-1062 LF 48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	131.77	34.43
33 42 11 00-1063 LF 54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	155.35	39.02
33 42 11 00-1064 LF 60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	169.65	41.32
33 42 11 00-1065 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1054)</small>		
33 42 11 00-1066 LF 18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	52.63	13.21
33 42 11 00-1067 LF 21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	59.63	14.31
33 42 11 00-1068 LF 24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	66.36	15.41
33 42 11 00-1069 LF 30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	86.85	19.83
33 42 11 00-1070 LF 36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	110.80	25.25
33 42 11 00-1071 LF 42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	125.78	29.84
33 42 11 00-1072 LF 48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	142.00	34.43
33 42 11 00-1073 LF 54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	166.85	39.02
33 42 11 00-1074 LF 60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	182.48	41.32
33 42 11 00-1075 LF 66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	221.38	50.50
33 42 11 00-1076 LF 72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	277.28	73.46
33 42 11 00-1077 LF 78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	300.72	80.34
33 42 11 00-1078 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1054)</small>		
33 42 11 00-1079 LF 30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	99.76	19.83
33 42 11 00-1080 LF 36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	126.26	25.25
33 42 11 00-1081 LF 42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	143.88	29.84
33 42 11 00-1082 LF 48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	162.65	34.43
33 42 11 00-1083 LF 54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	190.07	39.02
33 42 11 00-1084 LF 60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	208.32	41.32
33 42 11 00-1085 LF 66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	249.74	50.50
33 42 11 00-1086 LF 72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	308.19	73.46
33 42 11 00-1087 LF 78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	334.19	80.34
33 42 11 00-1088 LF 84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	357.01	86.08
33 42 11 00-1089 LF 90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	379.85	91.81
33 42 11 00-1090 LF 96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	403.44	97.55
33 42 11 00-1091 LF 102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	429.01	103.29
33 42 11 00-1092 Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-0405)</small>		
33 42 11 00-1093 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1092)</small>		
33 42 11 00-1094 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1093)</small>		
33 42 11 00-1095 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	41.06 7.98	12.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1096	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	45.11 9.52	13.21
33 42 11 00-1097	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	51.07 11.46	14.31
33 42 11 00-1098	LF		28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	57.00 13.21	15.41
33 42 11 00-1099	LF		35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	74.70 16.78	19.83
33 42 11 00-1100	LF		42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	97.45 21.64	25.25
33 42 11 00-1101			14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1093)</small>		
33 42 11 00-1102	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	44.33 8.27	12.11
33 42 11 00-1103	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	49.08 9.90	13.21
33 42 11 00-1104	LF		24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	55.54 11.78	14.31
33 42 11 00-1105	LF		28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	62.16 13.58	15.41
33 42 11 00-1106	LF		35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	81.14 17.20	19.83
33 42 11 00-1107	LF		42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	105.11 21.91	25.25
33 42 11 00-1108	LF		49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	119.84 26.10	29.84
33 42 11 00-1109			12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1093)</small>		
33 42 11 00-1110	LF		21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	57.17 9.07	13.21
33 42 11 00-1111	LF		24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	65.13 10.78	14.31
33 42 11 00-1112	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	73.02 12.37	15.41
33 42 11 00-1113	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	94.69 15.61	19.83
33 42 11 00-1114	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	121.49 19.63	25.25
33 42 11 00-1115	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	138.94 23.27	29.84
33 42 11 00-1116	LF		57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	161.77 27.70	34.43
33 42 11 00-1117	LF		64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	181.28 30.54	39.02
33 42 11 00-1118			10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1093)</small>		
33 42 11 00-1119	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	136.19 20.66	25.25
33 42 11 00-1120	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	156.09 24.42	29.84
33 42 11 00-1121	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	181.22 28.83	34.43
33 42 11 00-1122	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	203.28 31.92	39.02
33 42 11 00-1123	LF		71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	222.40 35.00	41.32
33 42 11 00-1124			3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1092)</small>		
33 42 11 00-1125			14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1124)</small>		
33 42 11 00-1126	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	175.77 45.87	39.02
33 42 11 00-1127	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	191.99 50.19	41.32
33 42 11 00-1128	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	236.53 63.04	50.50
33 42 11 00-1129	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	293.63 67.58	73.46
33 42 11 00-1130	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	318.67 72.36	80.34
33 42 11 00-1131	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	340.61 77.15	86.08
33 42 11 00-1132	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	362.50 81.92	91.81
33 42 11 00-1133	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	385.24 86.70	97.55

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1134 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe- Arch (33 42 11 00-1124)		
33 42 11 00-1135 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	224.64 57.04	41.32
33 42 11 00-1136 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	272.73 69.71	50.50
33 42 11 00-1137 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	333.05 74.98	73.46
33 42 11 00-1138 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	361.23 80.42	80.34
33 42 11 00-1139 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	386.39 85.91	86.08
33 42 11 00-1140 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	411.50 91.38	91.81
33 42 11 00-1141 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	437.39 96.82	97.55
33 42 11 00-1142 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	466.58 102.32	103.29
33 42 11 00-1143 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	498.32 107.78	114.77
33 42 11 00-1144 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	530.98 113.80	126.24
33 42 11 00-1145 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe- Arch (33 42 11 00-1124)		
33 42 11 00-1146 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	369.65 81.16	73.46
33 42 11 00-1147 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	400.87 87.19	80.34
33 42 11 00-1148 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	429.03 93.25	86.08
33 42 11 00-1149 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	457.09 99.27	91.81
33 42 11 00-1150 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	488.02 106.03	97.55
33 42 11 00-1151 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	518.18 111.35	103.29
33 42 11 00-1152 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	552.94 117.40	114.77
33 42 11 00-1153 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	588.32 123.83	126.24
33 42 11 00-1154 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	625.85 131.57	137.72
33 42 11 00-1155 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe- Arch (33 42 11 00-1092)		
33 42 11 00-1156 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1155)		
33 42 11 00-1157 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	336.75 73.79	73.46
33 42 11 00-1158 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	364.60 78.92	80.34
33 42 11 00-1159 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	389.21 84.00	86.08
33 42 11 00-1160 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	413.80 89.08	91.81
33 42 11 00-1161 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	439.29 94.18	97.55
33 42 11 00-1162 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	468.20 99.37	103.29
33 42 11 00-1163 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	499.67 104.54	114.77
33 42 11 00-1164 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	534.05 111.01	126.24
33 42 11 00-1165 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1155)		
33 42 11 00-1166 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	377.29 81.85	73.46
33 42 11 00-1167 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	408.39 87.69	80.34
33 42 11 00-1168 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	436.27 93.50	86.08
33 42 11 00-1169 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	464.25 99.34	91.81
33 42 11 00-1170 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	492.51 104.99	97.55
33 42 11 00-1171 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	525.14 111.06	103.29
33 42 11 00-1172 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	559.98 116.98	114.77

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-1173		LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	597.68 124.07	126.24
	33 42 11 00-1174		LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	632.84 130.78	137.72
	33 42 11 00-1175			Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-0405)</small>		
	33 42 11 00-1176			1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1175)</small>		
	33 42 11 00-1177			18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1176)</small>		
	33 42 11 00-1178		LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	21.11 1.52	6.61
	33 42 11 00-1179		LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	26.75 2.06	8.26
	33 42 11 00-1180		LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	34.46 2.71	9.91
	33 42 11 00-1181			16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1176)</small>		
	33 42 11 00-1182		LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	22.85 1.50	6.61
	33 42 11 00-1183		LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	29.21 2.06	8.26
	33 42 11 00-1184		LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	37.74 2.72	9.91
	33 42 11 00-1185			2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1175)</small>		
	33 42 11 00-1186			16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1185)</small>		
	33 42 11 00-1187		LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	40.16 2.98	11.56
	33 42 11 00-1188		LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	45.12 3.74	12.11
	33 42 11 00-1189		LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	50.39 4.55	13.21
	33 42 11 00-1190		LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	57.20 5.43	14.31
	33 42 11 00-1191		LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	63.51 6.16	15.41
	33 42 11 00-1192			14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1185)</small>		
	33 42 11 00-1193		LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	43.89 2.92	11.56
	33 42 11 00-1194		LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	49.88 3.68	12.11
	33 42 11 00-1195		LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	56.09 4.45	13.21
	33 42 11 00-1196		LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	63.80 5.29	14.31
	33 42 11 00-1197		LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	71.09 6.01	15.41
	33 42 11 00-1198		LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	93.06 7.70	19.83
	33 42 11 00-1199		LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	118.70 9.58	25.25
	33 42 11 00-1200			12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1185)</small>		
	33 42 11 00-1201		LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	85.58 5.70	15.41
	33 42 11 00-1202		LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	111.11 7.26	19.83
	33 42 11 00-1203		LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	140.37 8.94	25.25
	33 42 11 00-1204		LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	160.53 10.52	29.84
	33 42 11 00-1205		LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	181.48 11.90	34.43
	33 42 11 00-1206		LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	212.72 14.12	39.02
	33 42 11 00-1207			10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1185)</small>		
	33 42 11 00-1208		LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	163.47 8.79	25.25

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1209	LF		42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	187.44 10.32	29.84
33 42 11 00-1210	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	212.32 11.71	34.43
33 42 11 00-1211	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	247.41 13.74	39.02
33 42 11 00-1212	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	271.71 15.14	41.32
33 42 11 00-1213			3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1175)		
33 42 11 00-1214			16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1213)		
33 42 11 00-1215	LF		30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	91.88	19.83
33 42 11 00-1216	LF		36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	117.23	25.25
33 42 11 00-1217	LF		42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	133.06	29.84
33 42 11 00-1218	LF		48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	150.57	34.43
33 42 11 00-1219	LF		54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	176.91	39.02
33 42 11 00-1220			14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1213)		
33 42 11 00-1221	LF		30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	101.39	19.83
33 42 11 00-1222	LF		36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	130.79	25.25
33 42 11 00-1223	LF		42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	148.79	29.84
33 42 11 00-1224	LF		48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	167.74	34.43
33 42 11 00-1225	LF		54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	197.02	39.02
33 42 11 00-1226	LF		60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	215.32	41.32
33 42 11 00-1227	LF		66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	261.37	50.50
33 42 11 00-1228	LF		72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	320.18	73.46
33 42 11 00-1229	LF		78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	346.44	80.34
33 42 11 00-1230			12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1213)		
33 42 11 00-1231	LF		30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	123.58	19.83
33 42 11 00-1232	LF		36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	155.74	25.25
33 42 11 00-1233	LF		42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	178.61	29.84
33 42 11 00-1234	LF		48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	201.94	34.43
33 42 11 00-1235	LF		54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	235.41	39.02
33 42 11 00-1236	LF		60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	257.83	41.32
33 42 11 00-1237	LF		66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	307.99	50.50
33 42 11 00-1238	LF		72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	371.03	73.46
33 42 11 00-1239	LF		78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	401.44	80.34
33 42 11 00-1240	LF		84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	428.81	86.08
33 42 11 00-1241	LF		90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	456.11	91.81
33 42 11 00-1242	LF		96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	484.23	97.55
33 42 11 00-1243			10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1213)		
33 42 11 00-1244	LF		60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	302.54	41.32
33 42 11 00-1245	LF		66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	355.28	50.50
33 42 11 00-1246	LF		72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	422.57	73.46
33 42 11 00-1247	LF		78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	457.23	80.34
33 42 11 00-1248	LF		84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	488.77	86.08
33 42 11 00-1249	LF		90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	520.31	91.81
33 42 11 00-1250	LF		96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	552.65	97.55
33 42 11 00-1251	LF		102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	588.26	103.29
33 42 11 00-1252	LF		108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	626.43	114.77
33 42 11 00-1253			Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1175) Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1254			16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1253)		
33 42 11 00-1255	LF		18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	63.19	13.21
33 42 11 00-1256	LF		21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	68.00	14.31
33 42 11 00-1257	LF		24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	80.51	15.41
33 42 11 00-1258	LF		27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	92.92	17.62
33 42 11 00-1259	LF		30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	104.90	19.83
33 42 11 00-1260	LF		33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	115.72	22.03
33 42 11 00-1261			14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1253)		
33 42 11 00-1262	LF		18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	71.22	13.21
33 42 11 00-1263	LF		21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	81.48	14.31
33 42 11 00-1264	LF		24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	91.32	15.41
33 42 11 00-1265	LF		27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	105.05	17.62
33 42 11 00-1266	LF		30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	118.36	19.83

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-1267	LF		33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	130.55	22.03
	33 42 11 00-1268	LF		36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	149.25	25.25
	33 42 11 00-1269	LF		42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	170.87	29.84
	33 42 11 00-1270	LF		48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	193.25	34.43
33 42 11 00-1271				12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1253)</small>		
	33 42 11 00-1272	LF		30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	144.67	19.83
	33 42 11 00-1273	LF		33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	159.43	22.03
	33 42 11 00-1274	LF		36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	180.80	25.25
	33 42 11 00-1275	LF		42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	207.71	29.84
	33 42 11 00-1276	LF		48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	235.37	34.43
	33 42 11 00-1277	LF		54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	319.06	39.02
	33 42 11 00-1278	LF		60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	350.81	41.32
33 42 11 00-1279				10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1253)</small>		
	33 42 11 00-1280	LF		48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	321.17	34.43
	33 42 11 00-1281	LF		54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	371.96	39.02
	33 42 11 00-1282	LF		60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	409.65	41.32
	33 42 11 00-1283	LF		66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	477.26	50.50
	33 42 11 00-1284	LF		72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	554.68	73.46
	33 42 11 00-1285	LF		78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	599.96	80.34
	33 42 11 00-1286	LF		84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	641.80	86.08
33 42 11 00-1287				Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-0405)</small>		
33 42 11 00-1288				2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1287)</small>		
33 42 11 00-1289				16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1288)</small>		
	33 42 11 00-1290	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	46.82	12.11
				<i>For Bituminous Coated Pipe, Add</i>	3.75	
	33 42 11 00-1291	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	52.00	13.21
				<i>For Bituminous Coated Pipe, Add</i>	4.48	
	33 42 11 00-1292	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	59.03	14.31
				<i>For Bituminous Coated Pipe, Add</i>	5.34	
33 42 11 00-1293				14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1288)</small>		
	33 42 11 00-1294	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	51.58	12.11
				<i>For Bituminous Coated Pipe, Add</i>	3.74	
	33 42 11 00-1295	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	56.57	13.21
				<i>For Bituminous Coated Pipe, Add</i>	4.31	
	33 42 11 00-1296	LF		24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	65.63	14.31
				<i>For Bituminous Coated Pipe, Add</i>	5.29	
	33 42 11 00-1297	LF		28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	73.57	15.41
				<i>For Bituminous Coated Pipe, Add</i>	6.07	
	33 42 11 00-1298	LF		35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	95.54	19.83
				<i>For Bituminous Coated Pipe, Add</i>	7.68	
33 42 11 00-1299				12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1288)</small>		
	33 42 11 00-1300	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	88.08	15.41
				<i>For Bituminous Coated Pipe, Add</i>	5.79	
	33 42 11 00-1301	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	113.62	19.83
				<i>For Bituminous Coated Pipe, Add</i>	7.30	
	33 42 11 00-1302	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	144.63	25.25
				<i>For Bituminous Coated Pipe, Add</i>	9.11	
	33 42 11 00-1303	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	166.14	29.84
				<i>For Bituminous Coated Pipe, Add</i>	10.77	
33 42 11 00-1304				10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1288)</small>		
	33 42 11 00-1305	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	167.70	25.25
				<i>For Bituminous Coated Pipe, Add</i>	8.79	
	33 42 11 00-1306	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	193.09	29.84
				<i>For Bituminous Coated Pipe, Add</i>	10.37	
	33 42 11 00-1307	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	223.67	34.43
				<i>For Bituminous Coated Pipe, Add</i>	12.15	
	33 42 11 00-1308	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	251.14	39.02
				<i>For Bituminous Coated Pipe, Add</i>	13.52	
33 42 11 00-1309				3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1287)</small>		
33 42 11 00-1310				14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1309)</small>		
	33 42 11 00-1311	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	200.75	39.02
	33 42 11 00-1312	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	219.65	41.32
	33 42 11 00-1313	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	266.72	50.50

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1314 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch ^(33 42 11 00-1309)		
33 42 11 00-1315 LF 60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	239.14	39.02
33 42 11 00-1316 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	262.16	41.32
33 42 11 00-1317 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	313.15	50.50
33 42 11 00-1318 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	376.59	73.46
33 42 11 00-1319 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	407.40	80.34
33 42 11 00-1320 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	435.16	86.08
33 42 11 00-1321 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch ^(33 42 11 00-1309)		
33 42 11 00-1322 LF 66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	306.81	41.32
33 42 11 00-1323 LF 73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	360.26	50.50
33 42 11 00-1324 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	427.93	73.46
33 42 11 00-1325 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	462.98	80.34
33 42 11 00-1326 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	494.92	86.08
33 42 11 00-1327 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	526.83	91.81
33 42 11 00-1328 Corrugated Steel Pipe Fittings ^(33 42 11 00-0405)		
Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1329 Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings ^(33 42 11 00-1328)		
Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1330 EA Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	114.74	
33 42 11 00-1331 EA Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	143.90	
33 42 11 00-1332 EA Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	173.05	
33 42 11 00-1333 EA Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	204.04	
33 42 11 00-1334 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	247.73	
33 42 11 00-1335 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	291.43	
33 42 11 00-1336 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	335.16	
33 42 11 00-1337 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	378.85	
33 42 11 00-1338 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	493.63	
33 42 11 00-1339 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	588.32	
33 42 11 00-1340 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	683.05	
33 42 11 00-1341 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	883.42	
33 42 11 00-1342 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	996.36	
33 42 11 00-1343 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	1,112.94	
33 42 11 00-1344 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	1,233.15	
33 42 11 00-1345 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,502.73	
33 42 11 00-1346 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,639.32	
33 42 11 00-1347 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,779.57	
33 42 11 00-1348 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	2,183.95	
33 42 11 00-1349 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	2,344.26	
33 42 11 00-1350 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	2,506.37	
33 42 11 00-1351 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,668.46	
33 42 11 00-1352 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,828.75	
33 42 11 00-1353 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,990.87	
33 42 11 00-1354 EA Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	3,161.80	
33 42 11 00-1355 EA Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	3,342.49	
33 42 11 00-1356 EA Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	3,533.46	
33 42 11 00-1357 Fabricate Corrugated Steel Pipe Tees Or Laterals ^(33 42 11 00-1328)		
Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1358 EA Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	149.36	
33 42 11 00-1359 EA Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	191.26	
33 42 11 00-1360 EA Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	233.12	
33 42 11 00-1361 EA Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	275.05	
33 42 11 00-1362 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	335.16	
33 42 11 00-1363 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	397.07	

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

33 42 11 00-1364	EA			Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	459.04	
33 42 11 00-1365	EA			Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	520.91	
33 42 11 00-1366	EA			Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	683.05	
33 42 11 00-1367	EA			Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	814.20	
33 42 11 00-1368	EA			Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	947.16	
33 42 11 00-1369	EA			Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	1,229.48	
33 42 11 00-1370	EA			Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,384.32	
33 42 11 00-1371	EA			Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,544.59	
33 42 11 00-1372	EA			Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,708.54	
33 42 11 00-1373	EA			Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,083.75	
33 42 11 00-1374	EA			Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,269.57	
33 42 11 00-1375	EA			Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,459.00	
33 42 11 00-1376	EA			Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	3,025.44	
33 42 11 00-1377	EA			Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	3,242.22	
33 42 11 00-1378	EA			Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	3,458.97	
33 42 11 00-1379	EA			Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	3,677.53	
33 42 11 00-1380	EA			Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	3,896.13	
33 42 11 00-1381	EA			Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	4,112.85	
33 42 11 00-1382	EA			Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	4,341.66	
33 42 11 00-1383	EA			Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	4,583.19	
33 42 11 00-1384	EA			Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	4,838.13	

33 42 11 00-1385 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 42 11 00-1328)

Note: Applied to pipe tasks.

33 42 11 00-1386	EA			Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting	58.29	
33 42 11 00-1387	EA			Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting	73.33	
33 42 11 00-1388	EA			Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting	92.23	
33 42 11 00-1389	EA			Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting	112.94	
33 42 11 00-1390	EA			Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	142.91	
33 42 11 00-1391	EA			Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	175.00	
33 42 11 00-1392	EA			Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	204.98	
33 42 11 00-1393	EA			Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	238.15	
33 42 11 00-1394	EA			Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	292.51	
33 42 11 00-1395	EA			Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	348.75	
33 42 11 00-1396	EA			Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	416.13	
33 42 11 00-1397	EA			Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	511.88	
33 42 11 00-1398	EA			Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	579.39	
33 42 11 00-1399	EA			Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	652.48	
33 42 11 00-1400	EA			Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	791.27	
33 42 11 00-1401	EA			Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	877.49	
33 42 11 00-1402	EA			Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,070.63	
33 42 11 00-1403	EA			Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,166.28	
33 42 11 00-1404	EA			Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,267.57	
33 42 11 00-1405	EA			Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,366.88	
33 42 11 00-1406	EA			Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,468.14	
33 42 11 00-1407	EA			Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,571.25	
33 42 11 00-1408	EA			Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,672.54	
33 42 11 00-1409	EA			Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,773.76	
33 42 11 00-1410	EA			Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,881.12	
33 42 11 00-1411	EA			Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,994.96	
33 42 11 00-1412	EA			Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	2,115.70	

33 42 11 00-1413 Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1328)

33 42 11 00-1414	EA			6" Coupling Band, Corrugated Metal Pipe Fitting	8.69	
				<i>For Bituminous Coated, Add</i>	2.52	
33 42 11 00-1415	EA			8" Coupling Band, Corrugated Metal Pipe Fitting	11.53	
				<i>For Bituminous Coated, Add</i>	3.34	
33 42 11 00-1416	EA			10" Coupling Band, Corrugated Metal Pipe Fitting	14.53	
				<i>For Bituminous Coated, Add</i>	4.21	
33 42 11 00-1417	EA			12" Coupling Band, Corrugated Metal Pipe Fitting	24.12	
				<i>For Bituminous Coated, Add</i>	6.99	
33 42 11 00-1418	EA			15" Coupling Band, Corrugated Metal Pipe Fitting	30.41	
				<i>For Bituminous Coated, Add</i>	8.82	
33 42 11 00-1419	EA			18" Coupling Band, Corrugated Metal Pipe Fitting	44.61	
				<i>For Bituminous Coated, Add</i>	12.94	
33 42 11 00-1420	EA			21" Coupling Band, Corrugated Metal Pipe Fitting	52.95	
				<i>For Bituminous Coated, Add</i>	15.36	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-1421	EA	24" Coupling Band, Corrugated Metal Pipe Fitting.....	60.04	
		<i>For Bituminous Coated, Add</i>	17.41	
33 42 11 00-1422	EA	30" Coupling Band, Corrugated Metal Pipe Fitting.....	103.90	
		<i>For Bituminous Coated, Add</i>	30.13	
33 42 11 00-1423	EA	36" Coupling Band, Corrugated Metal Pipe Fitting.....	166.24	
		<i>For Bituminous Coated, Add</i>	39.90	
33 42 11 00-1424	EA	42" Coupling Band, Corrugated Metal Pipe Fitting.....	195.32	
		<i>For Bituminous Coated, Add</i>	46.88	
33 42 11 00-1425	EA	48" Coupling Band, Corrugated Metal Pipe Fitting.....	218.86	
		<i>For Bituminous Coated, Add</i>	52.53	
33 42 11 00-1426	EA	54" Coupling Band, Corrugated Metal Pipe Fitting.....	310.38	
		<i>For Bituminous Coated, Add</i>	74.49	
33 42 11 00-1427	EA	60" Coupling Band, Corrugated Metal Pipe Fitting.....	443.93	
		<i>For Bituminous Coated, Add</i>	79.91	
33 42 11 00-1428	EA	66" Coupling Band, Corrugated Metal Pipe Fitting.....	545.59	
		<i>For Bituminous Coated, Add</i>	98.21	
33 42 11 00-1429	EA	72" Coupling Band, Corrugated Metal Pipe Fitting.....	700.84	
		<i>For Bituminous Coated, Add</i>	98.12	
33 42 11 00-1430	EA	78" Coupling Band, Corrugated Metal Pipe Fitting.....	749.59	
		<i>For Bituminous Coated, Add</i>	104.94	
33 42 11 00-1431	EA	84" Coupling Band, Corrugated Metal Pipe Fitting.....	798.62	
		<i>For Bituminous Coated, Add</i>	111.81	
33 42 11 00-1432	EA	90" Coupling Band, Corrugated Metal Pipe Fitting.....	847.40	
		<i>For Bituminous Coated, Add</i>	118.64	
33 42 11 00-1433	EA	96" Coupling Band, Corrugated Metal Pipe Fitting.....	896.31	
		<i>For Bituminous Coated, Add</i>	125.48	
33 42 11 00-1434	EA	102" Coupling Band, Corrugated Metal Pipe Fitting.....	945.34	
		<i>For Bituminous Coated, Add</i>	132.35	
33 42 11 00-1435	EA	108" Coupling Band, Corrugated Metal Pipe Fitting.....	994.14	
		<i>For Bituminous Coated, Add</i>	139.18	
33 42 11 00-1436	EA	114" Coupling Band, Corrugated Metal Pipe Fitting.....	1,177.45	
		<i>For Bituminous Coated, Add</i>	141.29	
33 42 11 00-1437	EA	120" Coupling Band, Corrugated Metal Pipe Fitting.....	1,091.68	
		<i>For Bituminous Coated, Add</i>	131.00	
33 42 11 00-1438	EA	126" Coupling Band, Corrugated Metal Pipe Fitting.....	1,140.33	
		<i>For Bituminous Coated, Add</i>	136.84	
33 42 11 00-1439	EA	132" Coupling Band, Corrugated Metal Pipe Fitting.....	1,189.33	
		<i>For Bituminous Coated, Add</i>	142.72	
33 42 11 00-1440	EA	138" Coupling Band, Corrugated Metal Pipe Fitting.....	1,238.39	
		<i>For Bituminous Coated, Add</i>	148.61	

33 42 13 Stormwater Culverts (33 42)**33 42 13 13 Precast Concrete Stormwater Culverts (33 42 13)****33 42 13 13-0001 Precast Reinforced Concrete Box Culvert (33 42 13 13)**

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0".

33 42 13 13-0002	LF	3' x 3' Precast Reinforced Concrete Box Culvert	513.38	57.38
		<i>For Each LF Of Cut-Off Section, Add</i>	20.54	
33 42 13 13-0003	LF	4' x 2' Precast Reinforced Concrete Box Culvert	579.32	57.38
		<i>For Each LF Of Cut-Off Section, Add</i>	23.17	
33 42 13 13-0004	LF	4' x 3' Precast Reinforced Concrete Box Culvert	685.85	57.38
		<i>For Each LF Of Cut-Off Section, Add</i>	27.43	
33 42 13 13-0005	LF	5' x 3' Precast Reinforced Concrete Box Culvert	823.07	71.73
		<i>For Each LF Of Cut-Off Section, Add</i>	32.92	
33 42 13 13-0006	LF	5' x 4' Precast Reinforced Concrete Box Culvert	843.36	71.73
		<i>For Each LF Of Cut-Off Section, Add</i>	33.73	
33 42 13 13-0007	LF	5' x 5' Precast Reinforced Concrete Box Culvert	853.50	71.73
		<i>For Each LF Of Cut-Off Section, Add</i>	34.14	
33 42 13 13-0008	LF	6' x 3' Precast Reinforced Concrete Box Culvert	879.94	74.60
		<i>For Each LF Of Cut-Off Section, Add</i>	35.20	
33 42 13 13-0009	LF	6' x 4' Precast Reinforced Concrete Box Culvert	885.01	74.60
		<i>For Each LF Of Cut-Off Section, Add</i>	35.40	
33 42 13 13-0010	LF	6' x 6' Precast Reinforced Concrete Box Culvert	976.31	74.60
		<i>For Each LF Of Cut-Off Section, Add</i>	39.05	
33 42 13 13-0011	LF	7' x 4' Precast Reinforced Concrete Box Culvert	1,000.87	86.08
		<i>For Each LF Of Cut-Off Section, Add</i>	40.03	
33 42 13 13-0012	LF	7' x 6' Precast Reinforced Concrete Box Culvert	1,067.18	117.06
		<i>For Each LF Of Cut-Off Section, Add</i>	42.69	
33 42 13 13-0013	LF	8' x 2' Precast Reinforced Concrete Box Culvert	981.38	74.60
		<i>For Each LF Of Cut-Off Section, Add</i>	39.26	
33 42 13 13-0014	LF	8' x 3' Precast Reinforced Concrete Box Culvert	1,005.94	86.08
		<i>For Each LF Of Cut-Off Section, Add</i>	40.24	
33 42 13 13-0015	LF	8' x 4' Precast Reinforced Concrete Box Culvert	1,021.16	86.08
		<i>For Each LF Of Cut-Off Section, Add</i>	40.85	
33 42 13 13-0016	LF	8' x 5' Precast Reinforced Concrete Box Culvert	1,230.68	114.77
		<i>For Each LF Of Cut-Off Section, Add</i>	49.23	
33 42 13 13-0017	LF	8' x 6' Precast Reinforced Concrete Box Culvert	1,234.74	114.77
		<i>For Each LF Of Cut-Off Section, Add</i>	49.39	
33 42 13 13-0018	LF	8' x 8' Precast Reinforced Concrete Box Culvert	1,364.11	143.46
		<i>For Each LF Of Cut-Off Section, Add</i>	54.56	
33 42 13 13-0019	LF	9' x 4' Precast Reinforced Concrete Box Culvert	1,361.55	114.77
		<i>For Each LF Of Cut-Off Section, Add</i>	54.46	
33 42 13 13-0020	LF	9' x 6' Precast Reinforced Concrete Box Culvert	1,438.17	143.46
		<i>For Each LF Of Cut-Off Section, Add</i>	57.53	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0021	LF			10' x 3' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,443.24 57.73	143.46
33 42 13 13-0022	LF			10' x 4' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,757.74 70.31	143.46
33 42 13 13-0023	LF			10' x 5' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,839.41 73.58	172.15
33 42 13 13-0024	LF			10' x 6' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,859.71 74.39	172.15
33 42 13 13-0025	LF			10' x 7' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,864.78 74.59	172.15
33 42 13 13-0026	LF			10' x 8' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,871.88 74.88	172.15
33 42 13 13-0027	LF			12' x 3' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,941.40 77.66	200.85
33 42 13 13-0028	LF			12' x 4' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,941.40 77.66	200.85
33 42 13 13-0029	LF			12' x 6' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,941.40 77.66	200.85
33 42 13 13-0030	LF			12' x 8' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,941.40 77.66	200.85
33 42 13 13-0031	LF			16' x 10' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	2,834.69 113.39	229.53
33 42 13 13-0032	LF			24' x 10' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	3,950.63 158.03	229.53
33 42 13 13-0033				Precast Reinforced Concrete Box Culvert For Roadways <small>(33 42 13 13)</small> Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0".		
33 42 13 13-0034	LF			3' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,289.98 51.60	57.38
33 42 13 13-0035	LF			4' x 2' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,387.42 55.50	57.38
33 42 13 13-0036	LF			4' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,559.88 62.40	57.38
33 42 13 13-0037	LF			5' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,762.99 70.52	71.73
33 42 13 13-0038	LF			5' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,935.45 77.42	71.73
33 42 13 13-0039	LF			5' x 5' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,107.90 84.32	71.73
33 42 13 13-0040	LF			6' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,941.59 77.66	74.60
33 42 13 13-0041	LF			6' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,114.04 84.56	74.60
33 42 13 13-0042	LF			6' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,458.95 98.36	74.60
33 42 13 13-0043	LF			7' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,311.06 92.44	86.08
33 42 13 13-0044	LF			7' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,722.24 108.89	117.06
33 42 13 13-0045	LF			8' x 2' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,114.04 84.56	74.60
33 42 13 13-0046	LF			8' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,311.06 92.44	86.08
33 42 13 13-0047	LF			8' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,483.51 99.34	86.08
33 42 13 13-0048	LF			8' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,717.33 108.69	114.77
33 42 13 13-0049	LF			8' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,889.78 115.59	114.77
33 42 13 13-0050	LF			8' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,296.09 131.84	143.46
33 42 13 13-0051	LF			9' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,918.01 116.72	114.77
33 42 13 13-0052	LF			9' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,347.99 133.92	143.46
33 42 13 13-0053	LF			10' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,310.47 132.42	143.46
33 42 13 13-0054	LF			10' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,515.24 140.61	143.46
33 42 13 13-0055	LF			10' x 5' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,781.40 151.26	172.15
33 42 13 13-0056	LF			10' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,986.18 159.45	172.15
33 42 13 13-0057	LF			10' x 7' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,190.99 167.64	172.15
33 42 13 13-0058	LF			10' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,395.76 175.83	172.15
33 42 13 13-0059	LF			12' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,387.49 175.50	200.85
33 42 13 13-0060	LF			12' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,620.25 184.81	200.85
33 42 13 13-0061	LF			12' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	5,085.87 203.43	200.85
33 42 13 13-0062	LF			12' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	5,551.48 222.06	200.85

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 13 13-0063	LF	16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	6,647.56	229.53
		<i>For Each LF Of Cut-Off Section, Add</i>	265.90	
33 42 13 13-0064	LF	24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	8,406.52	229.53
		<i>For Each LF Of Cut-Off Section, Add</i>	336.26	

33 42 23 Headwalls and Endwalls for Stormwater Piping (33 42)**33 42 23 00-0001****Headwalls (33 42 23)**

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002**Precast Concrete Headwalls (33 42 23 00-0001)**

33 42 23 00-0003	EA	12" Pipe, Precast Concrete Headwall	657.57	198.24
33 42 23 00-0004	EA	15" Pipe, Precast Concrete Headwall	690.60	209.26
33 42 23 00-0005	EA	18" Pipe, Precast Concrete Headwall	764.43	237.89
33 42 23 00-0006	EA	24" Pipe, Precast Concrete Headwall	837.96	253.31
33 42 23 00-0007	EA	30" Pipe, Precast Concrete Headwall	1,062.71	297.36
33 42 23 00-0008	EA	36" Pipe, Precast Concrete Headwall	1,210.35	308.38
33 42 23 00-0009	EA	42" Pipe, Precast Concrete Headwall	1,526.39	354.17
33 42 23 00-0010	EA	48" Pipe, Precast Concrete Headwall	1,670.25	390.21
33 42 23 00-0011	EA	54" Pipe, Precast Concrete Headwall	1,830.97	413.16
33 42 23 00-0012	EA	60" Pipe, Precast Concrete Headwall	2,054.84	413.16
33 42 23 00-0013	EA	72" Pipe, Precast Concrete Headwall	2,410.76	516.46
33 42 23 00-0014	EA	84" Pipe, Precast Concrete Headwall	3,294.78	619.75

33 42 23 00-0015**Precast Concrete Wingwalls (33 42 23 00-0001)**

33 42 23 00-0016	EA	18" ID Pipe (26" Hole) Precast Concrete Wingwall	4,270.60	2,045.16
		Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0017	EA	24" ID Pipe (32" Hole) Precast Concrete Wingwall	4,614.91	2,272.40
		Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0018	EA	30" ID Pipe (42" Hole) Precast Concrete Wingwall	5,188.74	2,651.13
		Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0019	EA	33" ID Pipe (46" Hole) Precast Concrete Wingwall	5,762.58	3,029.86
		Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0020	EA	36" ID Pipe (50" Hole) Precast Concrete Wingwall	5,762.58	3,029.86
		Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0021	EA	44" ID Pipe (58" Hole) Precast Concrete Wingwall	5,992.12	3,181.35
		Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0022	EA	48" ID Pipe (62" Hole) Precast Concrete Wingwall	8,426.25	3,257.10
		Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0023	EA	52" ID Pipe (66" Hole) Precast Concrete Wingwall	8,770.56	3,484.34
		Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		

33 42 23 00-0024**Precast Concrete Transverse Drainage Interceptor (33 42 23 00-0001)**

33 42 23 00-0025	EA	34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	3,219.25	803.37
------------------	----	---	----------	--------

33 42 26 End Sections for Stormwater Piping (33 42)**33 42 26 16****Corrugated Metal End Sections for Stormwater Piping (33 42 26)****33 42 26 16-0001****Corrugated Metal Pipe End Sections (33 42 26 16)****33 42 26 16-0002****Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0001)****33 42 26 16-0003****Type 1 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)**

Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.

33 42 26 16-0004	EA	12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	242.21	77.09
33 42 26 16-0005	EA	15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	275.29	82.60
33 42 26 16-0006	EA	18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	314.37	88.10
33 42 26 16-0007	EA	21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	371.97	96.37
33 42 26 16-0008	EA	24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	410.26	104.63

33 42 26 16-0009**Type 2 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)**

Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.

33 42 26 16-0010	EA	30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	618.99	118.39
33 42 26 16-0011	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	790.07	137.72
33 42 26 16-0012	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,165.51	160.67
33 42 26 16-0013	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,413.43	183.63
33 42 26 16-0014	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,692.59	229.53
33 42 26 16-0015	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,982.74	275.44

33 42 26 16-0016**Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)**

Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.

33 42 26 16-0017	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	250.08	77.09
33 42 26 16-0018	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	283.38	82.60
33 42 26 16-0019	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	326.80	88.10
33 42 26 16-0020	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	386.90	96.37
33 42 26 16-0021	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	427.19	104.63
33 42 26 16-0022	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	670.96	118.39
33 42 26 16-0023	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	850.68	137.72
33 42 26 16-0024	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,306.43	160.67
33 42 26 16-0025	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,595.29	183.63
33 42 26 16-0026	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,876.50	229.53

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

33 42 26 16-0027	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,565.22	275.44
33 42 26 16-0028	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,994.17	413.16
33 42 26 16-0029	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,559.30	550.88
33 42 26 16-0030	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,869.66	591.05
33 42 26 16-0031	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,186.65	631.22

33 42 26 16-0032 Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33 42 26 16-0032)

33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	28.89	
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	31.74	
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	35.20	
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	38.23	
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	42.57	
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	71.45	
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	76.95	
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	102.46	
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	110.34	
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	133.79	
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	138.02	
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	149.51	
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	176.75	
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	197.15	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	203.49	

33 42 26 16-0048 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)

33 42 26 16-0049 Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0049)

Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.

33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	275.29	82.60
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	314.37	88.10
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	371.97	96.37

33 42 26 16-0053 Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0053)

Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.

33 42 26 16-0054	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	268.50	82.60
33 42 26 16-0055	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	301.81	88.10
33 42 26 16-0056	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	336.02	96.37
33 42 26 16-0057	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	375.94	104.63
33 42 26 16-0058	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	521.13	118.39
33 42 26 16-0059	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	727.34	137.72
33 42 26 16-0060	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,088.14	160.67
33 42 26 16-0061	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,361.88	183.63

33 42 26 16-0062 Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0062)

Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.

33 42 26 16-0063	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	271.95	82.60
33 42 26 16-0064	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	309.30	88.10
33 42 26 16-0065	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	347.73	96.37
33 42 26 16-0066	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	389.82	104.63
33 42 26 16-0067	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	544.72	118.39
33 42 26 16-0068	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	759.52	137.72
33 42 26 16-0069	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,139.62	160.67
33 42 26 16-0070	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,421.12	183.63
33 42 26 16-0071	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,716.93	229.53
33 42 26 16-0072	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,235.45	275.44
33 42 26 16-0073	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,143.63	413.16
33 42 26 16-0074	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,557.33	550.88

33 42 26 16-0075 Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section (33 42 26 16-0075)

33 42 26 16-0076	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	31.74	
33 42 26 16-0077	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	35.20	
33 42 26 16-0078	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	38.23	
33 42 26 16-0079	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	42.57	
33 42 26 16-0080	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	71.45	
33 42 26 16-0081	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	76.95	
33 42 26 16-0082	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	102.46	
33 42 26 16-0083	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	114.24	
33 42 26 16-0084	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	133.79	
33 42 26 16-0085	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	139.57	
33 42 26 16-0086	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	162.14	
33 42 26 16-0087	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	190.65	

33 42 26 16-0088 Corrugated Aluminum Pipe End Sections (33 42 26 16-0088)

33 42 26 16-0089 Corrugated Aluminum Pipe End Sections (33 42 26 16-0089)

33 42 26 16-0090	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	333.62	77.09
33 42 26 16-0091	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	379.36	82.60
33 42 26 16-0092	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	441.73	88.10
33 42 26 16-0093	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	537.08	96.37

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 26 16-0094	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	684.11	104.63
33 42 26 16-0095	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	994.37	118.39
33 42 26 16-0096	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,329.34	137.72
33 42 26 16-0097	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	1,628.39	137.72
33 42 26 16-0098	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,065.20	160.67
33 42 26 16-0099	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,911.85	183.63
33 42 26 16-0100	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,245.86	229.53
33 42 26 16-0101	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,348.32	275.44
33 42 26 16-0102	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	5,004.39	413.16
33 42 26 16-0103	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	5,906.24	550.88
33 42 26 16-0104	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,442.31	591.05
33 42 26 16-0105	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,803.73	631.22
33 42 26 16-0106	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,171.13	688.61
33 42 26 16-0107	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	10,140.03	745.99

33 42 26 16-0108 Toe Plate Extensions For Corrugated Aluminum Pipe End Section (33 42 26 16-0088)

33 42 26 16-0109	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	52.18	
33 42 26 16-0110	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	55.09	
33 42 26 16-0111	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	59.29	
33 42 26 16-0112	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	66.27	
33 42 26 16-0113	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	70.58	
33 42 26 16-0114	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	92.02	
33 42 26 16-0115	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	111.23	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	116.22	
33 42 26 16-0117	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	127.36	
33 42 26 16-0118	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	143.90	
33 42 26 16-0119	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	169.25	
33 42 26 16-0120	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	227.67	
33 42 26 16-0121	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	249.23	
33 42 26 16-0122	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	324.01	
33 42 26 16-0123	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	351.66	
33 42 26 16-0124	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	375.08	
33 42 26 16-0125	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	399.47	
33 42 26 16-0126	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	424.41	

33 42 26 16-0127 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0001)**33 42 26 16-0128 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0127)**

33 42 26 16-0129	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	389.03	82.60
33 42 26 16-0130	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	465.30	88.10
33 42 26 16-0131	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	505.83	96.37
33 42 26 16-0132	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	546.36	104.63
33 42 26 16-0133	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	787.76	118.39
33 42 26 16-0134	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,343.09	137.72
33 42 26 16-0135	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,418.90	137.72
33 42 26 16-0136	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,878.19	160.67
33 42 26 16-0137	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,839.03	183.63
33 42 26 16-0138	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,265.63	229.53
33 42 26 16-0139	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,946.80	275.44
33 42 26 16-0140	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,573.89	413.16
33 42 26 16-0141	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,991.70	550.88
33 42 26 16-0142	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,605.87	591.05
33 42 26 16-0143	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,949.82	631.22
33 42 26 16-0144	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,665.80	688.61
33 42 26 16-0145	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	9,193.30	745.99

33 42 26 16-0146 Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 42 26 16-0127)

33 42 26 16-0147	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	55.09	
33 42 26 16-0148	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	59.29	
33 42 26 16-0149	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	62.78	
33 42 26 16-0150	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	68.65	
33 42 26 16-0151	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	81.04	
33 42 26 16-0152	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	104.91	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	112.87	
33 42 26 16-0154	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	127.36	
33 42 26 16-0155	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	143.90	
33 42 26 16-0156	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	169.25	
33 42 26 16-0157	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	209.95	
33 42 26 16-0158	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	264.05	
33 42 26 16-0159	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	361.08	
33 42 26 16-0160	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	408.09	
33 42 26 16-0161	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	428.90	
33 42 26 16-0162	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	446.70	
33 42 26 16-0163	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	467.80	

33 42 26 16-0164 Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)**33 42 26 16-0165 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0164)**

33 42 26 16-0166	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	481.86	82.60
33 42 26 16-0167	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	606.03	88.10
33 42 26 16-0168	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	732.87	96.37

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 26 16-0169	EA		24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	868.28	104.63
	33 42 26 16-0170	EA		30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	924.75	118.39
	33 42 26 16-0171	EA		36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,194.89	137.72
	33 42 26 16-0172	EA		42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,840.83	160.67
33 42 26 16-0173				3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections <small>(33 42 26 16-0164)</small>		
				Note: Includes nut and bolt set.		
	33 42 26 16-0174	EA		3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	329.47	
	33 42 26 16-0175	EA		3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	629.91	
	33 42 26 16-0176	EA		3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	691.13	
	33 42 26 16-0177	EA		3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	720.29	
33 42 26 16-0178				6:1 Corrugated Steel Pipe End Sections <small>(33 42 26 16-0164)</small>		
	33 42 26 16-0179	EA		15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	501.50	82.60
	33 42 26 16-0180	EA		18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	641.34	88.10
	33 42 26 16-0181	EA		21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	836.81	96.37
	33 42 26 16-0182	EA		24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	976.30	104.63
	33 42 26 16-0183	EA		30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,154.07	118.39
	33 42 26 16-0184	EA		36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,397.29	137.72
	33 42 26 16-0185	EA		42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,094.08	160.67
33 42 26 16-0186				3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections <small>(33 42 26 16-0164)</small>		
				Note: Includes nut and bolt set.		
	33 42 26 16-0187	EA		3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	619.27	
	33 42 26 16-0188	EA		3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	660.20	
	33 42 26 16-0189	EA		3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	726.92	
	33 42 26 16-0190	EA		3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	769.85	
33 42 26 16-0191				Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section <small>(33 42 26 16-0164)</small>		
	33 42 26 16-0192	EA		Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	60.29	
	33 42 26 16-0193	EA		Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	66.84	
	33 42 26 16-0194	EA		Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	72.65	
	33 42 26 16-0195	EA		Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	80.78	
	33 42 26 16-0196	EA		Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	116.15	
	33 42 26 16-0197	EA		Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	124.61	
	33 42 26 16-0198	EA		Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	163.69	
33 42 26 16-0199				Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories <small>(33 42 26 16-0001)</small>		
33 42 26 16-0200				4:1 Corrugated Steel Pipe-Arch End Section <small>(33 42 26 16-0199)</small>		
	33 42 26 16-0201	EA		21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	564.66	88.10
	33 42 26 16-0202	EA		24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	697.24	96.37
	33 42 26 16-0203	EA		28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	817.82	104.63
	33 42 26 16-0204	EA		35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,478.78	118.39
33 42 26 16-0205				3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections <small>(33 42 26 16-0199)</small>		
				Note: Includes nut and bolt set.		
	33 42 26 16-0206	EA		3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	388.47	
	33 42 26 16-0207	EA		3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	682.48	
	33 42 26 16-0208	EA		3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	720.29	
	33 42 26 16-0209	EA		3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	1,046.12	
33 42 26 16-0210				Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section <small>(33 42 26 16-0199)</small>		
	33 42 26 16-0211	EA		Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	61.20	
	33 42 26 16-0212	EA		Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	68.88	
	33 42 26 16-0213	EA		Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	75.03	
	33 42 26 16-0214	EA		Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	91.24	
33 42 26 19				Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping <small>(33 42 26)</small>		
33 42 26 19-0001				Corrugated High Density Polyethylene (HDPE) Pipe End Sections <small>(33 42 26 19)</small>		
	33 42 26 19-0002	EA		10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	221.69	66.10
	33 42 26 19-0003	EA		12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	260.71	74.36
	33 42 26 19-0004	EA		15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	277.33	79.87
	33 42 26 19-0005	EA		18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	326.04	88.13
	33 42 26 19-0006	EA		24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	415.54	104.65
	33 42 26 19-0007	EA		30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	936.51	118.42
	33 42 26 19-0008	EA		36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	1,041.80	132.19

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**33 42 26 23 Concrete End Sections for Stormwater Piping (33 42 26)****33 42 26 23-0001 Precast Concrete End Sections (33 42 26 23)****33 42 26 23-0002 Precast Concrete End Sections (33 42 26 23-0001)**

33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	532.16	129.19
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	706.05	159.91
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	876.97	202.43
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	1,012.44	242.07
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	1,090.25	280.18
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	1,376.13	342.01
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	1,736.75	513.70
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	2,152.74	648.21
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	2,621.88	813.13
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	2,889.14	916.99
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	3,167.42	1,027.17
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	3,453.40	1,141.93

33 42 26 23-0015 Flared Precast Concrete End Sections (33 42 26 23-0001)

33 42 26 23-0016	EA	12" Diameter Pipe, Flared Precast Concrete End Section	649.10	133.71
33 42 26 23-0017	EA	15" Diameter Pipe, Flared Precast Concrete End Section	784.45	166.65
33 42 26 23-0018	EA	18" Diameter Pipe, Flared Precast Concrete End Section	957.56	210.94
33 42 26 23-0019	EA	21" Diameter Pipe, Flared Precast Concrete End Section	1,100.90	252.25
33 42 26 23-0020	EA	24" Diameter Pipe, Flared Precast Concrete End Section	1,333.83	291.97
33 42 26 23-0021	EA	27" Diameter Pipe, Flared Precast Concrete End Section	1,677.22	466.30
33 42 26 23-0022	EA	30" Diameter Pipe, Flared Precast Concrete End Section	1,839.40	642.01
33 42 26 23-0023	EA	36" Diameter Pipe, Flared Precast Concrete End Section	2,450.76	810.26
33 42 26 23-0024	EA	42" Diameter Pipe, Flared Precast Concrete End Section	2,967.47	1,016.61
33 42 26 23-0025	EA	48" Diameter Pipe, Flared Precast Concrete End Section	3,238.98	1,146.53
33 42 26 23-0026	EA	54" Diameter Pipe, Flared Precast Concrete End Section	3,623.86	1,284.13
33 42 26 23-0027	EA	60" Diameter Pipe, Flared Precast Concrete End Section	4,017.57	1,426.33

33 42 31 Stormwater Area Drains and Inlets (33 42)**33 42 31 00-0001 Storm Drains (33 42 31)****33 42 31 00-0002 Catch Basins And Inlet Basins (33 42 31 00-0001)**

Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.

33 42 31 00-0003 Catch Basin (33 42 31 00-0002)

Note: Consisting of an SDR 35 pipe body with ductile iron grates. Pedestrian safe grates are available. Basins range in size from 8" to 30". 8" And 10" basin not traffic bearing and limited because of the small size of the basin. 12" And larger basins are much more adaptable allowing pipe penetrations up to the diameter of the basin (i.e. a 12" diameter pipe can fit a 12" basin, two pipes may be attached at 180 degree). Basins will fit high density polyethylene (HDPE) and other plastic piping. Penetrations are factory installed where specified. Basin is factory sized to accommodate the rim and invert for each location. No grout is required to seal piping, factory specified gaskets are included. No field adjustment to grade is necessary, yet height changes can be accommodated in the field. A concrete collar poured in the field is required for water loading (12" through 30").

33 42 31 00-0004	EA	8" Diameter Fixed 13" High Basin For 4" And 6" Pipe With Ductile Iron Grate	304.17	
33 42 31 00-0005	EA	8" Diameter Basin Up To 3' 6" Rim To Invert Dimension	418.21	
		For Each Additional 1' Or Part, Add	9.00	
33 42 31 00-0006	EA	10" Diameter 20" Fixed Height Basin For 4", 6" And 8" Pipe Only	429.49	
33 42 31 00-0007	EA	10" Diameter Basin Up To 3' 6" Rim To Invert Dimension	573.67	
		For Each Additional 1' Or Part, Add	11.04	
33 42 31 00-0008	EA	12" Locking Ductile Grate 24" Standard Height	1,026.21	
		For Each Additional 1' Or Part, Add	18.19	
33 42 31 00-0009	EA	15" Locking Ductile Grate 30" Standard Height	1,334.59	
		For Each Additional 1' Or Part, Add	28.90	
33 42 31 00-0010	EA	18" Locking Ductile Grate 36" Standard Height	1,520.57	
		For Each Additional 1' Or Part, Add	22.70	
33 42 31 00-0011	EA	24" Locking Ductile Grate 36" Standard Height	2,215.98	
		For Each Additional 1' Or Part, Add	38.00	
33 42 31 00-0012	EA	30" Locking Ductile Grate 48" Standard Height	3,830.65	
		For Each Additional 1' Or Part, Add	86.00	

33 42 31 00-0013 Catch Basin Frames And Covers (33 42 31 00-0001)

Note: Syracuse Castings

33 42 31 00-0014 Galvanized Welded Steel Frames And Rectangular Or Reticuline Grates (33 42 31 00-0013)**33 42 31 00-0015 Galvanized Welded Steel Frames For Rectangular Or Reticuline Grates (33 42 31 00-0014)**

33 42 31 00-0016	EA	1'-11-15/16" x 2'-3-1/2" Outside Dimension, 54 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #1)	300.97	131.34
33 42 31 00-0017	EA	1'-11-15/16" x 2'-8-1/2" Outside Dimension, 65 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #2)	342.11	155.86
33 42 31 00-0018	EA	1'-11-15/16" x 3'-1-1/2" Outside Dimension, 54 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #3)	313.96	131.58
33 42 31 00-0019	EA	1'-11-15/16" x 3'-6-1/2" Outside Dimension, 71 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #4)	377.83	136.59
33 42 31 00-0020	EA	1'-11-15/16" x 3'-11-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #5)	396.24	185.17
33 42 31 00-0021	EA	2'-2-7/16" x 2'-3-1/2" Outside Dimension, 57 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #6)	312.87	138.81
33 42 31 00-0022	EA	2'-2-7/16" x 3'-1-1/2" Outside Dimension, 68 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #7)	361.59	165.67

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

33 42 31 00-0023	EA		2'-2-7/16" x 3'-11-1/2" Outside Dimension, 79 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #8).....	408.14	192.40
33 42 31 00-0024	EA		2'-4-15/16" x 2'-3-1/2" Outside Dimension, 60 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #9).....	324.79	146.17
33 42 31 00-0025	EA		2'-4-15/16" x 2'-8-1/2" Outside Dimension, 65 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #10).....	349.68	158.31
33 42 31 00-0026	EA		2'-4-15/16" x 3'-1-1/2" Outside Dimension, 71 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #11).....	377.83	172.90
33 42 31 00-0027	EA		2'-4-15/16" x 3'-6-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #12).....	329.12	131.58
33 42 31 00-0028	EA		2'-4-15/16" x 3'-11-1/2" Outside Dimension, 82 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #13).....	420.05	199.76
33 42 31 00-0029	EA		2'-7-7/16" x 2'-8-1/2" Outside Dimension, 68 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #14).....	363.76	165.67
33 42 31 00-0030	EA		2'-7-7/16" x 3'-1-1/2" Outside Dimension, 74 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #15).....	389.75	180.26
33 42 31 00-0031	EA		2'-7-7/16" x 3'-11-1/2" Outside Dimension, 85 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #16).....	434.13	206.99
33 42 31 00-0032	EA		2'-9-15/16" x 3'-1-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #17).....	326.95	131.58
33 42 31 00-0033	EA		3'-0-7/16" x 3'-1-1/2" Outside Dimension, 79 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #18).....	412.47	192.40
33 42 31 00-0034	EA		3'-2-15/16" x 2'-3-1/2" Outside Dimension, 71 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #19).....	373.50	172.90
33 42 31 00-0035	EA		3'-2-15/16" x 2'-8-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #20).....	326.95	131.58
33 42 31 00-0036	EA		3'-2-15/16" x 3'-1-1/2" Outside Dimension, 82 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #21).....	422.21	199.76
33 42 31 00-0037	EA		3'-2-15/16" x 3'-6-1/2" Outside Dimension, 87 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #22).....	447.12	211.89

33 42 31 00-0038 Galvanized Welded Steel Rectangular Grates For Galvanized Welded Steel Frames (33 42 31 00-0014)

33 42 31 00-0039	EA		1'-10-11/16" x 2'-2-1/2", 79 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #1).....	463.10	87.56
33 42 31 00-0040	EA		1'-10-11/16" x 2'-7-1/2", 88 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #2).....	499.92	87.56
33 42 31 00-0041	EA		1'-10-11/16" x 3'-0-1/2", 94 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #3).....	521.57	87.56
33 42 31 00-0042	EA		1'-10-11/16" x 3'-5-1/2", 109 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #4).....	602.72	102.15
33 42 31 00-0043	EA		1'-10-11/16" x 3'-10-1/2", 124 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #5).....	669.84	102.15
33 42 31 00-0044	EA		2'-1-3/16" x 2'-2-1/2", 91 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #6).....	502.08	87.56
33 42 31 00-0045	EA		2'-1-3/16" x 3'-0-1/2", 108 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #7).....	598.38	102.15
33 42 31 00-0046	EA		2'-1-3/16" x 3'-10-1/2", 165 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #8).....	748.83	116.75
33 42 31 00-0047	EA		2'-3-11/16" x 2'-2-1/2", 99 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #9).....	521.57	87.56
33 42 31 00-0048	EA		2'-3-11/16" x 2'-7-1/2", 109 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #10).....	598.38	102.15
33 42 31 00-0049	EA		2'-3-3/16" x 3'-0-1/2", 117 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #11).....	637.36	102.15
33 42 31 00-0050	EA		2'-3-11/16" x 3'-5-1/2", 128 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #12).....	691.49	102.15
33 42 31 00-0051	EA		2'-3-11/16" x 3'-10-1/2", 180 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #13).....	807.29	116.75
33 42 31 00-0052	EA		2'-6-3/16" x 2'-7-1/2", 121 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #14).....	628.70	102.15
33 42 31 00-0053	EA		2'-6-3/16" x 3'-0-1/2", 130 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #15).....	663.34	102.15
33 42 31 00-0054	EA		2'-6-3/16" x 3'-10-1/2", 201 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #16).....	420.76	131.34
33 42 31 00-0055	EA		2'-8-11/16" x 3'-0-1/2", 145 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #17).....	355.87	102.15
33 42 31 00-0056	EA		2'-11-3/16" x 3'-0-1/2", 155 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #18).....	389.39	116.75
33 42 31 00-0057	EA		3'-1-11/16" x 2'-2-1/2", 133 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #19).....	347.21	102.15
33 42 31 00-0058	EA		3'-1-11/16" x 2'-7-1/2", 146 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #20).....	355.87	102.15
33 42 31 00-0059	EA		3'-1-11/16" x 3'-0-1/2", 171 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #21).....	389.39	116.75
33 42 31 00-0060	EA		3'-1-11/16" x 3'-5-1/2", 185 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #22).....	398.05	116.75

33 42 31 00-0061 Galvanized Steel Reticuline Grates For Galvanized Welded Steel Frames (33 42 31 00-0014)

33 42 31 00-0062	EA		1'-10-11/16" x 2'-2-1/2", 94 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #1).....	497.75	87.56
33 42 31 00-0063	EA		1'-10-11/16" x 2'-7-1/2", 106 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #2).....	557.24	102.15
33 42 31 00-0064	EA		1'-10-11/16" x 3'-0-1/2", 118 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #3).....	585.39	102.15
33 42 31 00-0065	EA		1'-10-11/16" x 3'-5-1/2", 130 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #4).....	607.05	102.15
33 42 31 00-0066	EA		1'-10-11/16" x 3'-10-1/2", 166 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #5).....	722.85	116.75
33 42 31 00-0067	EA		2'-1-3/16" x 2'-2-1/2", 107 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #6).....	559.41	102.15
33 42 31 00-0068	EA		2'-1-3/16" x 3'-0-1/2", 134 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #7).....	633.03	102.15
33 42 31 00-0069	EA		2'-1-3/16" x 3'-10-1/2", 191 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #8).....	805.13	116.75
33 42 31 00-0070	EA		2'-3-11/16" x 2'-2-1/2", 110 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #9).....	591.89	102.15
33 42 31 00-0071	EA		2'-3-11/16" x 2'-7-1/2", 132 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #10).....	637.36	102.15
33 42 31 00-0072	EA		2'-3-11/16" x 3'-0-1/2", 147 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #11).....	659.01	102.15
33 42 31 00-0073	EA		2'-3-11/16" x 3'-5-1/2", 161 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #12).....	738.00	116.75
33 42 31 00-0074	EA		2'-3-11/16" x 3'-10-1/2", 210 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #13).....	847.32	131.34
33 42 31 00-0075	EA		2'-6-3/16" x 2'-7-1/2", 146 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #14).....	672.00	102.15
33 42 31 00-0076	EA		2'-6-3/16" x 3'-0-1/2", 162 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #15).....	729.34	116.75
33 42 31 00-0077	EA		2'-6-3/16" x 3'-10-1/2", 233 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #16).....	905.78	131.34
33 42 31 00-0078	EA		2'-8-11/16" x 3'-0-1/2", 179 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #17).....	807.29	116.75
33 42 31 00-0079	EA		2'-11-3/16" x 3'-0-1/2", 193 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #18).....	815.96	116.75
33 42 31 00-0080	EA		3'-1-11/16" x 2'-2-1/2", 173 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #19).....	789.97	116.75
33 42 31 00-0081	EA		3'-1-11/16" x 2'-7-1/2", 192 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #20).....	835.44	116.75
33 42 31 00-0082	EA		3'-1-11/16" x 3'-0-1/2", 211 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #21).....	897.12	131.34
33 42 31 00-0083	EA		3'-1-11/16" x 3'-5-1/2", 231 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #22).....	933.93	131.34

33 42 31 00-0084 Galvanized Welded Steel Frames And Parallel Bar Grates (33 42 31 00-0013)

33 42 31 00-0085 Galvanized Welded Steel Frames For Parallel Bar Grates (33 42 31 00-0084)

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 42 31 00-0086	EA	1'-11-7/8" x 3'-1-1/2" Inside Dimension, 84 LB, Galvanized Welded Steel Frames For Parallel Bar Grates (NYS DOT #10FPCB).....	420.05		204.66
33 42 31 00-0087	EA	2'-2-3/8" x 3'-11-1/2" Inside Dimension, 99 LB, Galvanized Welded Steel Frames For Parallel Bar Grates (NYS DOT #11FPCB).....	483.93		241.20
33 42 31 00-0088	EA	2'-9-7/8" x 3'-6-1/2" Inside Dimension, 108 LB, Galvanized Welded Steel Frames For Parallel Bar Grates (NYS DOT #12FPCB).....	523.98		263.04
33 42 31 00-0089		C150x16 Built-up Channel For Welded Steel Frames (33 42 31 00-0084) Note: For parallel bar grates. Add to price of frame.			
33 42 31 00-0090	EA	C150x16 Built-Up 113 LB Channel For NYSDOT #10PCB Frame	702.06		284.63
33 42 31 00-0091	EA	C150x16 Built-Up 128 LB Channel For NYSDOT #11PCB Frame	788.15		311.83
33 42 31 00-0092	EA	C150x16 Built-Up 125 LB Channel For NYSDOT #12PCB Frame	767.58		304.48
33 42 31 00-0093		Galvanized Welded Steel Parallel Bar Grates (33 42 31 00-0084)			
33 42 31 00-0094	EA	1'-11-1/2" x 3'-0-3/4" 200 LB, Galvanized Welded Steel Parallel Bar Grates (NYS DOT #10PCB)	717.40		131.34
33 42 31 00-0095	EA	2'-2" x 3'-10-3/4" 280 LB, Galvanized Welded Steel Parallel Bar Grates (NYS DOT #11PCB)	878.67		145.93
33 42 31 00-0096	EA	2'-9-1/2" x 3'-5-3/4" 320 LB, Galvanized Welded Steel Parallel Bar Grates (NYS DOT #12PCB)	1,022.62		160.53
33 42 31 00-0097		Cast Curb Inlet Frame With Galvanized Reticuline Grate (33 42 31 00-0013)			
33 42 31 00-0098	EA	2'-5-1/2" x 3'-5-1/2", 263 LB Cast Curb Inlet Frame With 2'-1" x 2'-3-1/2", 165 LB Galvanized Reticuline Grate (NYS DOT F-1 Frame And G-1 Grate)	3,302.11		700.48
33 42 31 00-0099	EA	3'-3-1/2" x 3'-5-1/2", 315 LB Cast Curb Inlet Frame With 2'-1" x 3'-1-1/2", 224 LB Galvanized Reticuline Grate (NYS DOT F-2 Frame And G-2 Grate)	3,626.72		758.87
33 42 31 00-0100	EA	4'-1-1/2" x 3'-5-1/2", 339 LB Cast Curb Inlet Frame With 2'-1" x 3'-11-1/2", 251 LB Galvanized Reticuline Grate (NYS DOT F-3 Frame And G-3 Grate)	4,167.87		817.24
33 42 31 00-0101		Other Frames (33 42 31 00-0013)			
33 42 31 00-0102		Galvanized Welded Steel Frames For Rectangular And Reticuline Grates (33 42 31 00-0101)			
33 42 31 00-0103	EA	1'-11-15/16" x 3'-1-1/2", 69 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #3)	340.73		167.89
33 42 31 00-0104	EA	2'-2-7/16" x 2'-3-1/2", 61 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #6)	306.38		148.62
33 42 31 00-0105	EA	2'-4-15/16" x 2'-3-1/2", 64 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #9)	318.24		155.86
33 42 31 00-0106	EA	2'-4-15/16" x 3'-1-1/2", 75 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #11)	366.96		182.71
33 42 31 00-0107	EA	2'-5-7/16" x 3'-11-1/2", 88 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #16)	420.05		214.35
33 42 31 00-0108	EA	3'-2-15/16" x 3'-6-1/2", 91 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #22)	434.07		221.58
33 42 31 00-0109		C150x16 Built-up Channel For Welded Steel Frames (33 42 31 00-0101) Note: For rectangular and reticuline grates. Add to price of frame.			
33 42 31 00-0110	EA	C150x16 Built-Up 50 LB Channel For NYSDOT #3 Frame.....	478.52		121.77
33 42 31 00-0111	EA	C150x16 Built-Up 51 LB Channel For NYSDOT #6 Frame.....	477.49		122.58
33 42 31 00-0112	EA	C150x16 Built-Up 52 LB Channel For NYSDOT #9 Frame.....	482.85		126.67
33 42 31 00-0113	EA	C150x16 Built-Up 53 LB Channel For NYSDOT #11 Frame.....	514.25		129.12
33 42 31 00-0114	EA	C150x16 Built-Up 54 LB Channel For NYSDOT #16 Frame.....	607.35		134.02
33 42 31 00-0115	EA	C150x16 Built-Up 55 LB Channel For NYSDOT #22 Frame.....	598.69		134.02
33 42 31 00-0116		Yard Drain (33 42 31 00-0001)			
33 42 31 00-0117		Ductile Iron Grates (33 42 31 00-0116) Note: Not for traffic loading.			
33 42 31 00-0118	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	139.88		41.31
33 42 31 00-0119	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	166.45		44.06
33 42 31 00-0120	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	351.12		55.08
33 42 31 00-0121	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	419.75		66.10
33 42 31 00-0122		Precast Concrete Rectangular Drainage Structure (33 42 31 00-0001) Note: Inside dimensions. Select task with size closest to the desired size. If exactly between two sizes, select the larger size. As manufactured by Binghamton Precast and Supply or equal.			
33 42 31 00-0123		Standard Drainage Structure Type A, 36" x 36" (33 42 31 00-0122) Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.			
33 42 31 00-0124	EA	Up To 2' High Standard Drainage Structure Type A, 36" x 36"	1,509.00		175.12
33 42 31 00-0125	EA	>2' To 3' High Standard Drainage Structure Type A, 36" x 36"	1,725.37		262.69
33 42 31 00-0126	EA	>3' To 4' High Standard Drainage Structure Type A, 36" x 36"	1,941.73		350.25
33 42 31 00-0127	EA	>4' To 5' High Standard Drainage Structure Type A, 36" x 36"	2,158.11		437.81
33 42 31 00-0128	EA	>5' To 6' High Standard Drainage Structure Type A, 36" x 36"	2,873.23		525.37
33 42 31 00-0129	EA	>6' To 7' High Standard Drainage Structure Type A, 36" x 36"	3,089.60		612.92
33 42 31 00-0130	EA	>7' To 8' High Standard Drainage Structure Type A, 36" x 36"	3,928.48		700.48
33 42 31 00-0131	EA	>8' To 9' High Standard Drainage Structure Type A, 36" x 36"	4,157.97		788.05
33 42 31 00-0132	EA	>9' To 10' High Standard Drainage Structure Type A, 36" x 36"	4,387.47		875.61
33 42 31 00-0133	EA	>10' To 11' High Standard Drainage Structure Type A, 36" x 36"	4,616.96		963.17
33 42 31 00-0134	EA	>11' To 12' High Standard Drainage Structure Type A, 36" x 36"	4,846.46		1,050.73

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-------------	------------------------	----------------------

33 42 31 00-0135	Standard Drainage Structure Type B And E, 48" x 36" <small>(33 42 31 00-0122)</small>		
<small>Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.</small>			
33 42 31 00-0136	EA Up to 2' High Standard Drainage Structure Type B And E, 48" x 36".....	1,806.31	189.71
33 42 31 00-0137	EA >2' to 3' High Standard Drainage Structure Type B And E, 48" x 36".....	2,023.76	274.06
33 42 31 00-0138	EA >3' to 4' High Standard Drainage Structure Type B And E, 48" x 36".....	2,255.22	365.42
33 42 31 00-0139	EA >4' to 5' High Standard Drainage Structure Type B And E, 48" x 36".....	2,486.67	456.78
33 42 31 00-0140	EA >5' to 6' High Standard Drainage Structure Type B And E, 48" x 36".....	3,432.51	548.71
33 42 31 00-0141	EA >6' to 7' High Standard Drainage Structure Type B And E, 48" x 36".....	3,663.97	642.11
33 42 31 00-0142	EA >7' to 8' High Standard Drainage Structure Type B And E, 48" x 36".....	4,274.19	729.67
33 42 31 00-0143	EA >8' to 9' High Standard Drainage Structure Type B And E, 48" x 36".....	4,518.78	817.24
33 42 31 00-0144	EA >9' to 10' High Standard Drainage Structure Type B And E, 48" x 36".....	4,763.35	914.14
33 42 31 00-0145	EA >10' to 11' High Standard Drainage Structure Type B And E, 48" x 36".....	5,007.93	1,004.04
33 42 31 00-0146	EA >11' to 12' High Standard Drainage Structure Type B And E, 48" x 36".....	5,252.54	1,097.43

33 42 31 00-0147	Standard Drainage Structure Type C And I, 60" x 36" <small>(33 42 31 00-0122)</small>		
<small>Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.</small>			
33 42 31 00-0148	EA Up To 2' High Standard Drainage Structure Type C And I, 60" x 36".....	2,624.02	192.64
33 42 31 00-0149	EA >2' to 3' High Standard Drainage Structure Type C And I, 60" x 36".....	2,871.02	288.95
33 42 31 00-0150	EA >3' to 4' High Standard Drainage Structure Type C And I, 60" x 36".....	3,118.04	385.27
33 42 31 00-0151	EA >4' to 5' High Standard Drainage Structure Type C And I, 60" x 36".....	3,365.05	481.59
33 42 31 00-0152	EA >5' to 6' High Standard Drainage Structure Type C And I, 60" x 36".....	3,612.06	577.90
33 42 31 00-0153	EA >6' to 7' High Standard Drainage Structure Type C And I, 60" x 36".....	5,269.06	674.22
33 42 31 00-0154	EA >7' to 8' High Standard Drainage Structure Type C And I, 60" x 36".....	6,644.82	770.53
33 42 31 00-0155	EA >8' to 9' High Standard Drainage Structure Type C And I, 60" x 36".....	6,901.21	866.86
33 42 31 00-0156	EA >9' to 10' High Standard Drainage Structure Type C And I, 60" x 36".....	7,157.59	963.17
33 42 31 00-0157	EA >10' to 11' High Standard Drainage Structure Type C And I, 60" x 36".....	7,413.98	1,059.48
33 42 31 00-0158	EA >11' to 12' High Standard Drainage Structure Type C And I, 60" x 36".....	7,670.37	1,155.81

33 42 31 00-0159	Standard Drainage Structure Type D And M, 80" x 36" <small>(33 42 31 00-0122)</small>		
<small>Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.</small>			
33 42 31 00-0160	EA Up To 2' High Standard Drainage Structure Type D And M, 80" x 36".....	3,418.63	213.07
33 42 31 00-0161	EA >2' To 3' High Standard Drainage Structure Type D And M, 80" x 36".....	3,691.70	319.59
33 42 31 00-0162	EA >3' To 4' High Standard Drainage Structure Type D And M, 80" x 36".....	3,964.76	426.13
33 42 31 00-0163	EA >4' To 5' High Standard Drainage Structure Type D And M, 80" x 36".....	4,237.82	532.66
33 42 31 00-0164	EA >5' To 6' High Standard Drainage Structure Type D And M, 80" x 36".....	4,510.89	639.20
33 42 31 00-0165	EA >6' To 7' High Standard Drainage Structure Type D And M, 80" x 36".....	5,423.33	745.73
33 42 31 00-0166	EA >7' To 8' High Standard Drainage Structure Type D And M, 80" x 36".....	5,835.14	852.26
33 42 31 00-0167	EA >8' To 9' High Standard Drainage Structure Type D And M, 80" x 36".....	8,133.21	958.79
33 42 31 00-0168	EA >9' To 10' High Standard Drainage Structure Type D And M, 80" x 36".....	8,421.27	1,065.32
33 42 31 00-0169	EA >10' To 11' High Standard Drainage Structure Type D And M, 80" x 36".....	8,709.33	1,167.48
33 42 31 00-0170	EA >11' To 12' High Standard Drainage Structure Type D And M, 80" x 36".....	8,997.40	1,278.39

33 42 31 00-0171	Standard Drainage Structure Type F, 48" x 48" <small>(33 42 31 00-0122)</small>		
<small>Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.</small>			
33 42 31 00-0172	EA Up To 2' High Standard Drainage Structure Type F, 48" x 48".....	2,035.05	189.71
33 42 31 00-0173	EA >2' To 3' High Standard Drainage Structure Type F, 48" x 48".....	2,280.90	286.03
33 42 31 00-0174	EA >3' To 4' High Standard Drainage Structure Type F, 48" x 48".....	2,525.57	380.60
33 42 31 00-0175	EA >4' To 5' High Standard Drainage Structure Type F, 48" x 48".....	2,770.24	475.75
33 42 31 00-0176	EA >5' To 6' High Standard Drainage Structure Type F, 48" x 48".....	3,806.17	572.07
33 42 31 00-0177	EA >6' To 7' High Standard Drainage Structure Type F, 48" x 48".....	4,050.84	665.47
33 42 31 00-0178	EA >7' To 8' High Standard Drainage Structure Type F, 48" x 48".....	4,773.65	758.87
33 42 31 00-0179	EA >8' To 9' High Standard Drainage Structure Type F, 48" x 48".....	5,027.69	858.09
33 42 31 00-0180	EA >9' To 10' High Standard Drainage Structure Type F, 48" x 48".....	5,281.74	951.49
33 42 31 00-0181	EA >10' To 11' High Standard Drainage Structure Type F, 48" x 48".....	5,535.80	1,044.89
33 42 31 00-0182	EA >11' To 12' High Standard Drainage Structure Type F, 48" x 48".....	5,789.85	1,141.79

33 42 31 00-0183	Standard Drainage Structure Type G And J, 48" x 60" <small>(33 42 31 00-0122)</small>		
<small>Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.</small>			
33 42 31 00-0184	EA Up To 2' High Standard Drainage Structure Type G And J, 48" x 60".....	3,445.44	200.23
33 42 31 00-0185	EA >2' To 3' High Standard Drainage Structure Type G And J, 48" x 60".....	3,707.55	300.04
33 42 31 00-0186	EA >3' To 4' High Standard Drainage Structure Type G And J, 48" x 60".....	3,969.65	400.44
33 42 31 00-0187	EA >4' To 5' High Standard Drainage Structure Type G And J, 48" x 60".....	4,231.73	500.84
33 42 31 00-0188	EA >5' To 6' High Standard Drainage Structure Type G And J, 48" x 60".....	4,493.84	601.26
33 42 31 00-0189	EA >6' To 7' High Standard Drainage Structure Type G And J, 48" x 60".....	4,755.94	700.48
33 42 31 00-0190	EA >7' To 8' High Standard Drainage Structure Type G And J, 48" x 60".....	5,132.40	800.90
33 42 31 00-0191	EA >8' To 9' High Standard Drainage Structure Type G And J, 48" x 60".....	7,612.63	901.00
33 42 31 00-0192	EA >9' To 10' High Standard Drainage Structure Type G And J, 48" x 60".....	7,885.98	1,001.70
33 42 31 00-0193	EA >10' To 11' High Standard Drainage Structure Type G And J, 48" x 60".....	8,159.33	1,100.94
33 42 31 00-0194	EA >11' To 12' High Standard Drainage Structure Type G And J, 48" x 60".....	8,432.68	1,201.34

33 42 31 00-0195	Standard Drainage Structure Type H And N, 48" x 80" <small>(33 42 31 00-0122)</small>		
<small>Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.</small>			
33 42 31 00-0196	EA Up To 2' High Standard Drainage Structure Type H And N, 48" x 80".....	4,532.56	220.65
33 42 31 00-0197	EA >2' To 3' High Standard Drainage Structure Type H And N, 48" x 80".....	4,820.71	331.57
33 42 31 00-0198	EA >3' To 4' High Standard Drainage Structure Type H And N, 48" x 80".....	5,108.87	441.31
33 42 31 00-0199	EA >4' To 5' High Standard Drainage Structure Type H And N, 48" x 80".....	5,397.01	552.21
33 42 31 00-0200	EA >5' To 6' High Standard Drainage Structure Type H And N, 48" x 80".....	5,685.17	661.96
33 42 31 00-0201	EA >6' To 7' High Standard Drainage Structure Type H And N, 48" x 80".....	5,973.32	772.87
33 42 31 00-0202	EA >7' To 8' High Standard Drainage Structure Type H And N, 48" x 80".....	6,392.73	882.62
33 42 31 00-0203	EA >8' To 9' High Standard Drainage Structure Type H And N, 48" x 80".....	9,703.38	992.36

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0204 EA >9' To 10' High Standard Drainage Structure Type H And N, 48" x 80".....	10,006.53	1,103.26
33 42 31 00-0205 EA >10' To 11' High Standard Drainage Structure Type H And N, 48" x 80".....	10,309.69	1,214.18
33 42 31 00-0206 EA >11' To 12' High Standard Drainage Structure Type H And N, 48" x 80".....	10,612.85	1,323.92
33 42 31 00-0207 Standard Drainage Structure Type K, 60" x 60" (33 42 31 00-0122) Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0208 EA Up To 2' High Standard Drainage Structure Type K, 60" x 60".....	2,548.41	210.14
33 42 31 00-0209 EA >2' To 3' High Standard Drainage Structure Type K, 60" x 60".....	2,818.56	315.22
33 42 31 00-0210 EA >3' To 4' High Standard Drainage Structure Type K, 60" x 60".....	3,088.71	420.29
33 42 31 00-0211 EA >4' To 5' High Standard Drainage Structure Type K, 60" x 60".....	3,358.85	525.37
33 42 31 00-0212 EA >5' To 6' High Standard Drainage Structure Type K, 60" x 60".....	4,562.75	630.44
33 42 31 00-0213 EA >6' To 7' High Standard Drainage Structure Type K, 60" x 60".....	4,832.91	735.51
33 42 31 00-0214 EA >7' To 8' High Standard Drainage Structure Type K, 60" x 60".....	6,003.06	840.59
33 42 31 00-0215 EA >8' To 9' High Standard Drainage Structure Type K, 60" x 60".....	8,331.94	945.66
33 42 31 00-0216 EA >9' To 10' High Standard Drainage Structure Type K, 60" x 60".....	8,624.58	1,050.73
33 42 31 00-0217 EA >10' To 11' High Standard Drainage Structure Type K, 60" x 60".....	8,917.24	1,155.81
33 42 31 00-0218 EA >11' To 12' High Standard Drainage Structure Type K, 60" x 60".....	9,209.88	1,260.87
33 42 31 00-0219 Standard Drainage Structure Type L And O, 60" x 80" (33 42 31 00-0122) Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0220 EA Up To 2' High Standard Drainage Structure Type L And O, 60" x 80".....	4,895.53	231.16
33 42 31 00-0221 EA >2' To 3' High Standard Drainage Structure Type L And O, 60" x 80".....	5,193.61	345.57
33 42 31 00-0222 EA >3' To 4' High Standard Drainage Structure Type L And O, 60" x 80".....	5,491.69	461.15
33 42 31 00-0223 EA >4' To 5' High Standard Drainage Structure Type L And O, 60" x 80".....	5,789.76	576.73
33 42 31 00-0224 EA >5' To 6' High Standard Drainage Structure Type L And O, 60" x 80".....	6,087.84	692.32
33 42 31 00-0225 EA >6' To 7' High Standard Drainage Structure Type L And O, 60" x 80".....	6,385.92	806.72
33 42 31 00-0226 EA >7' To 8' High Standard Drainage Structure Type L And O, 60" x 80".....	6,824.62	922.31
33 42 31 00-0227 EA >8' To 9' High Standard Drainage Structure Type L And O, 60" x 80".....	9,350.20	1,037.89
33 42 31 00-0228 EA >9' To 10' High Standard Drainage Structure Type L And O, 60" x 80".....	9,663.28	1,152.88
33 42 31 00-0229 EA >10' To 11' High Standard Drainage Structure Type L And O, 60" x 80".....	9,976.36	1,267.89
33 42 31 00-0230 EA >11' To 12' High Standard Drainage Structure Type L And O, 60" x 80".....	10,289.43	1,383.46
33 42 31 00-0231 Standard Drainage Structure Type P, 80" x 80" (33 42 31 00-0122) Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0232 EA Up To 2' High Standard Drainage Structure Type P, 80" x 80".....	6,590.14	251.01
33 42 31 00-0233 EA >2' To 3' High Standard Drainage Structure Type P, 80" x 80".....	6,918.03	376.51
33 42 31 00-0234 EA >3' To 4' High Standard Drainage Structure Type P, 80" x 80".....	7,245.92	502.02
33 42 31 00-0235 EA >4' To 5' High Standard Drainage Structure Type P, 80" x 80".....	7,573.79	627.52
33 42 31 00-0236 EA >5' To 6' High Standard Drainage Structure Type P, 80" x 80".....	7,901.66	753.03
33 42 31 00-0237 EA >6' To 7' High Standard Drainage Structure Type P, 80" x 80".....	8,229.55	875.61
33 42 31 00-0238 EA >7' To 8' High Standard Drainage Structure Type P, 80" x 80".....	8,692.45	1,004.04
33 42 31 00-0239 EA >8' To 9' High Standard Drainage Structure Type P, 80" x 80".....	13,844.69	1,129.54
33 42 31 00-0240 EA >9' To 10' High Standard Drainage Structure Type P, 80" x 80".....	14,185.70	1,255.05
33 42 31 00-0241 EA >10' To 11' High Standard Drainage Structure Type P, 80" x 80".....	14,526.70	1,380.54
33 42 31 00-0242 EA >11' To 12' High Standard Drainage Structure Type P, 80" x 80".....	14,867.72	1,506.04
33 42 31 00-0243 Standard Drainage Structure Type Q, 34" x 36" (33 42 31 00-0122) Note: Excludes excavation, backfill, sealing of pipes, cover and caps.		
33 42 31 00-0244 EA Up To 2' High Standard Drainage Structure Type Q, 34" x 36".....	1,394.19	169.29
33 42 31 00-0245 EA >2' To 3' High Standard Drainage Structure Type Q, 34" x 36".....	1,606.61	253.92
33 42 31 00-0246 EA >3' To 4' High Standard Drainage Structure Type Q, 34" x 36".....	1,819.02	338.57
33 42 31 00-0247 EA >4' To 5' High Standard Drainage Structure Type Q, 34" x 36".....	2,031.43	423.21
33 42 31 00-0248 EA >5' To 6' High Standard Drainage Structure Type Q, 34" x 36".....	2,851.32	507.86
33 42 31 00-0249 EA >6' To 7' High Standard Drainage Structure Type Q, 34" x 36".....	3,063.74	592.49
33 42 31 00-0250 EA >7' To 8' High Standard Drainage Structure Type Q, 34" x 36".....	3,504.89	677.14
33 42 31 00-0251 EA >8' To 9' High Standard Drainage Structure Type Q, 34" x 36".....	3,728.56	758.87
33 42 31 00-0252 EA >9' To 10' High Standard Drainage Structure Type Q, 34" x 36".....	3,952.22	846.43
33 42 31 00-0253 EA >10' To 11' High Standard Drainage Structure Type Q, 34" x 36".....	4,059.14	872.69
33 42 31 00-0254 EA >11' To 12' High Standard Drainage Structure Type Q, 34" x 36".....	4,399.53	1,015.70
33 42 31 00-0255 Standard Drainage Structure Type R, 34" x 46" (33 42 31 00-0122) Note: Excludes excavation, backfill, sealing of pipes, cover and caps.		
33 42 31 00-0256 EA Up To 2' High Standard Drainage Structure Type R, 34" x 46".....	1,120.63	175.12
33 42 31 00-0257 EA >2' To 3' High Standard Drainage Structure Type R, 34" x 46".....	1,344.37	262.69
33 42 31 00-0258 EA >3' To 4' High Standard Drainage Structure Type R, 34" x 46".....	1,568.12	353.75
33 42 31 00-0259 EA >4' To 5' High Standard Drainage Structure Type R, 34" x 46".....	1,791.87	442.47
33 42 31 00-0260 EA >5' To 6' High Standard Drainage Structure Type R, 34" x 46".....	2,609.99	531.20
33 42 31 00-0261 EA >6' To 7' High Standard Drainage Structure Type R, 34" x 46".....	2,833.74	618.76
33 42 31 00-0262 EA >7' To 8' High Standard Drainage Structure Type R, 34" x 46".....	3,513.10	707.50
33 42 31 00-0263 EA >8' To 9' High Standard Drainage Structure Type R, 34" x 46".....	3,746.24	796.22
33 42 31 00-0264 EA >9' To 10' High Standard Drainage Structure Type R, 34" x 46".....	3,979.36	884.95
33 42 31 00-0265 EA >10' To 11' High Standard Drainage Structure Type R, 34" x 46".....	4,212.48	972.51
33 42 31 00-0266 EA >11' To 12' High Standard Drainage Structure Type R, 34" x 46".....	4,445.60	1,061.24
33 42 31 00-0267 Standard Drainage Structure Type S, 24" x 32" (33 42 31 00-0122) Note: Includes inlet cover. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0268 EA Up To 2' High Standard Drainage Structure Type S, 24" x 32".....	1,400.60	128.42
33 42 31 00-0269 EA >2' To 3' High Standard Drainage Structure Type S, 24" x 32".....	1,568.39	192.64
33 42 31 00-0270 EA >3' To 4' High Standard Drainage Structure Type S, 24" x 32".....	1,736.19	256.85

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

33 42 31 00-0271	EA		>4' To 5' High Standard Drainage Structure Type S, 24" x 32".....	1,903.99	321.06
33 42 31 00-0272	EA		>5' To 6' High Standard Drainage Structure Type S, 24" x 32".....	2,559.29	385.27
33 42 31 00-0273	EA		>6' To 7' High Standard Drainage Structure Type S, 24" x 32".....	2,727.08	449.48
33 42 31 00-0274	EA		>7' To 8' High Standard Drainage Structure Type S, 24" x 32".....	3,097.38	513.69
33 42 31 00-0275	EA		>8' To 9' High Standard Drainage Structure Type S, 24" x 32".....	3,270.81	577.90
33 42 31 00-0276	EA		>9' To 10' High Standard Drainage Structure Type S, 24" x 32".....	3,444.23	642.11
33 42 31 00-0277	EA		>10' To 11' High Standard Drainage Structure Type S, 24" x 32".....	3,617.65	706.32
33 42 31 00-0278	EA		>11' To 12' High Standard Drainage Structure Type S, 24" x 32".....	3,791.07	770.53

33 42 31 00-0279 Standard Drainage Structure Type T, 26" x 42" (33 42 31 00-0122)

Note: Includes inlet caps. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0280	EA		Up To 2' High Standard Drainage Structure Type T, 26" x 42".....	1,644.16	151.77
33 42 31 00-0281	EA		>2' To 3' High Standard Drainage Structure Type T, 26" x 42".....	1,839.06	227.66
33 42 31 00-0282	EA		>3' To 4' High Standard Drainage Structure Type T, 26" x 42".....	2,033.97	303.54
33 42 31 00-0283	EA		>4' To 5' High Standard Drainage Structure Type T, 26" x 42".....	2,228.87	379.43
33 42 31 00-0284	EA		>5' To 6' High Standard Drainage Structure Type T, 26" x 42".....	3,078.14	455.31
33 42 31 00-0285	EA		>6' To 7' High Standard Drainage Structure Type T, 26" x 42".....	3,273.03	531.20
33 42 31 00-0286	EA		>7' To 8' High Standard Drainage Structure Type T, 26" x 42".....	3,931.06	607.09
33 42 31 00-0287	EA		>8' To 9' High Standard Drainage Structure Type T, 26" x 42".....	4,131.57	682.98
33 42 31 00-0288	EA		>9' To 10' High Standard Drainage Structure Type T, 26" x 42".....	4,332.10	758.87
33 42 31 00-0289	EA		>10' To 11' High Standard Drainage Structure Type T, 26" x 42".....	4,532.61	834.75
33 42 31 00-0290	EA		>11' To 12' High Standard Drainage Structure Type T, 26" x 42".....	4,733.15	910.64

33 42 31 00-0291 Standard Drainage Structure Type U, 34" x 36" (33 42 31 00-0122)

Note: Includes inlet caps. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0292	EA		Up To 2' High Standard Drainage Structure Type U, 34" x 36".....	1,594.82	169.29
33 42 31 00-0293	EA		>2' To 3' High Standard Drainage Structure Type U, 34" x 36".....	1,809.11	253.92
33 42 31 00-0294	EA		>3' To 4' High Standard Drainage Structure Type U, 34" x 36".....	2,023.39	338.57
33 42 31 00-0295	EA		>4' To 5' High Standard Drainage Structure Type U, 34" x 36".....	2,237.68	423.21
33 42 31 00-0296	EA		>5' To 6' High Standard Drainage Structure Type U, 34" x 36".....	3,012.58	507.86
33 42 31 00-0297	EA		>6' To 7' High Standard Drainage Structure Type U, 34" x 36".....	3,226.87	592.49
33 42 31 00-0298	EA		>7' To 8' High Standard Drainage Structure Type U, 34" x 36".....	3,692.39	677.14
33 42 31 00-0299	EA		>8' To 9' High Standard Drainage Structure Type U, 34" x 36".....	3,910.44	762.37
33 42 31 00-0300	EA		>9' To 10' High Standard Drainage Structure Type U, 34" x 36".....	4,090.96	846.43
33 42 31 00-0301	EA		>10' To 11' High Standard Drainage Structure Type U, 34" x 36".....	4,305.25	931.65
33 42 31 00-0302	EA		>11' To 12' High Standard Drainage Structure Type U, 34" x 36".....	4,519.53	1,015.70

33 42 31 00-0303 Precast Concrete Cover Slabs / Inlet Caps (33 42 31 00-0122)

33 42 31 00-0304	EA		Precast Concrete Cover Slab Type A.....	664.50	87.56
33 42 31 00-0305	EA		Precast Concrete Cover Slab Type B And E.....	709.59	87.91
33 42 31 00-0306	EA		Precast Concrete Cover Slab Type C And I.....	781.39	96.31
33 42 31 00-0307	EA		Precast Concrete Cover Slab Type D And M.....	1,049.32	106.59
33 42 31 00-0308	EA		Precast Concrete Cover Slab Type F.....	855.92	95.74
33 42 31 00-0309	EA		Precast Concrete Cover Slab Type G And J.....	1,064.61	99.36
33 42 31 00-0310	EA		Precast Concrete Cover Slab Type H And N.....	1,259.40	110.91
33 42 31 00-0311	EA		Precast Concrete Cover Slab Type K.....	1,119.52	105.08
33 42 31 00-0312	EA		Precast Concrete Cover Slab Type L And O.....	1,479.33	115.58
33 42 31 00-0313	EA		Precast Concrete Cover Slab Type P.....	1,726.63	125.50
33 42 31 00-0314	EA		Precast Concrete Cover Slab Type S.....	392.80	64.21
33 42 31 00-0315	EA		Precast Concrete Cover Slab Type T.....	419.89	75.89
33 42 31 00-0316	EA		Precast Concrete Cover Slab Type U.....	437.41	85.22

33 42 33 Stormwater Curbside Drains and Inlets (33 42)

33 42 33 00-0001 Curb Inlet Frames And Covers (33 42 33)

33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers (33 42 33 00-0001)

33 42 33 00-0003	EA		20" x 22" Cast Iron Curb Inlet Frame And Cover.....	642.11	136.59
33 42 33 00-0004	EA		22" x 24" Cast Iron Curb Inlet Frame And Cover.....	690.69	158.77
33 42 33 00-0005	EA		24" x 24" Cast Iron Curb Inlet Frame And Cover.....	709.99	158.77
33 42 33 00-0006	EA		27" x 27" Cast Iron Curb Inlet Frame And Cover.....	778.50	186.80
33 42 33 00-0007	EA		36" x 24" Cast Iron Curb Inlet Frame And Cover.....	781.34	199.64

33 42 36 Stormwater Trench Drains (33 42)

33 42 36 00-0001 Modular Trench Drains (33 42 36)

33 42 36 00-0002 Modular Trench Drains (33 42 36 00-0001)

Note: Excludes grates. See CSI section 33 42 36 00-0104 for grates.

33 42 36 00-0003 4" Wide, Modular Trench Drains (33 42 36 00-0002)

33 42 36 00-0004 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0003)

33 42 36 00-0005 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0004)

33 42 36 00-0006	LF		4" Wide, High Density Polyethylene, Shallow Modular Trench Drain (Zurn Z844-C).....	56.28	18.68
			<i>For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>	29.64	
			<i>For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>	59.29	
			<i>For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>	94.86	
			<i>For Type 304 Stainless Steel Top Veneer Frame, Add</i>	23.72	
			<i>For Aluminum Veneer Bronze Anodized Frame, Add</i>	11.86	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0007		Outlet Adapters For 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains <small>(33 42 36 00-0004)</small>		
33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	39.96	
33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	51.64	
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	51.64	
33 42 36 00-0011		6" Wide, Modular Trench Drains <small>(33 42 36 00-0002)</small>		
33 42 36 00-0012		6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0011)</small>		
33 42 36 00-0013		6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0012)</small>		
33 42 36 00-0014	LF	6" Wide, High Density Polyethylene, Modular Trench Drain	88.93	18.68
		<i>For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>	29.64	
		<i>For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>	59.29	
		<i>For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>	94.86	
		<i>For Type 304 Stainless Steel Top Veneer Frame, Add</i>	23.72	
		<i>For Aluminum Veneer Bronze Anodized Frame, Add</i>	11.86	
33 42 36 00-0015		Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0012)</small>		
33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains	44.69	
33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	56.37	
33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	56.37	
33 42 36 00-0019		Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0012)</small>		
33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains	66.13	
33 42 36 00-0021	EA	Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains	66.13	
33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	295.53	
33 42 36 00-0023	EA	Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains	532.69	
33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	59.29	
33 42 36 00-0025		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0011)</small>		
33 42 36 00-0026		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0025)</small>		
33 42 36 00-0027	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	116.79	18.68
		<i>For Black Acid Resistant Coated Frame, Add</i>	22.53	
		<i>For Galvanized Top Frame Assembly, Add</i>	22.53	
		<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	83.01	
33 42 36 00-0028		Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0025)</small>		
33 42 36 00-0029	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	47.07	
33 42 36 00-0030	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	58.75	
33 42 36 00-0031	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	58.75	
33 42 36 00-0032		Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0025)</small>		
33 42 36 00-0033	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	66.13	
33 42 36 00-0034	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	66.13	
33 42 36 00-0035	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	295.53	
33 42 36 00-0036	EA	Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	532.69	
33 42 36 00-0037	EA	Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	59.29	
33 42 36 00-0038		6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0011)</small>		
33 42 36 00-0039		6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0038)</small>		
33 42 36 00-0040	LF	6" Wide, Vinylester Fiberglass, Modular Trench Drain	142.88	18.68
		<i>For Black Acid Resistant Coated Frame, Add</i>	22.53	
		<i>For Galvanized Top Frame Assembly, Add</i>	22.53	
		<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	83.01	
33 42 36 00-0041		Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0038)</small>		
33 42 36 00-0042	EA	Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	66.04	
33 42 36 00-0043	EA	No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	77.72	
33 42 36 00-0044	EA	No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	77.72	
33 42 36 00-0045		Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0038)</small>		
33 42 36 00-0046	EA	Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	66.13	
33 42 36 00-0047	EA	Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	66.13	
33 42 36 00-0048	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	295.53	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				33 42 36 00-0049 EA Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	532.69	
				33 42 36 00-0050 EA Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	59.29	
				33 42 36 00-0051 12" Wide, Modular Trench Drains (33 42 36 00-0002)		
				33 42 36 00-0052 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0051)		
				33 42 36 00-0053 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0052)		
				33 42 36 00-0054 LF 12" Wide, High Density Polyethylene, Modular Trench Drain	152.16	25.68
				<i>For Acid Resistant Coated Top Frame, Add</i>	30.83	
				<i>For Galvanized Welded Frame Assembly, Add</i>	32.31	
				<i>For Type 304 Stainless Steel Top Frame, Add</i>	184.98	
				33 42 36 00-0055 Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0052)		
				33 42 36 00-0056 EA End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains	79.75	
				33 42 36 00-0057 EA No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	95.31	
				33 42 36 00-0058 EA No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	95.31	
				33 42 36 00-0059 Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0052)		
				33 42 36 00-0060 EA Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains	112.89	
				33 42 36 00-0061 EA Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains	142.53	
				33 42 36 00-0062 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	564.12	
				33 42 36 00-0063 EA Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains	1,038.44	
				33 42 36 00-0064 EA Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains	118.58	
				33 42 36 00-0065 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0051)		
				33 42 36 00-0066 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0065)		
				33 42 36 00-0067 LF 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	181.81	25.68
				<i>For Acid Resistant Coated Top Frame, Add</i>	30.83	
				<i>For Galvanized Welded Frame Assembly, Add</i>	32.31	
				<i>For Type 304 Stainless Steel Top Frame, Add</i>	184.98	
				33 42 36 00-0068 Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0065)		
				33 42 36 00-0069 EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	82.12	
				33 42 36 00-0070 EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	97.68	
				33 42 36 00-0071 EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	97.68	
				33 42 36 00-0072 Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0065)		
				33 42 36 00-0073 EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	112.89	
				33 42 36 00-0074 EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	142.53	
				33 42 36 00-0075 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	564.12	
				33 42 36 00-0076 EA Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,038.44	
				33 42 36 00-0077 EA Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	118.58	
				33 42 36 00-0078 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0051)		
				33 42 36 00-0079 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0078)		
				33 42 36 00-0080 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain	241.10	25.68
				<i>For Acid Resistant Coated Top Frame, Add</i>	30.83	
				<i>For Galvanized Welded Frame Assembly, Add</i>	32.31	
				<i>For Type 304 Stainless Steel Top Frame, Add</i>	184.98	
				33 42 36 00-0081 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0078)		
				33 42 36 00-0082 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	171.05	
				33 42 36 00-0083 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	186.61	
				33 42 36 00-0084 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	186.61	
				33 42 36 00-0085 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0078)		
				33 42 36 00-0086 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	112.89	
				33 42 36 00-0087 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	142.53	
				33 42 36 00-0088 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	564.12	
				33 42 36 00-0089 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,038.44	
				33 42 36 00-0090 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	118.58	
				33 42 36 00-0091 23" Wide, Modular Trench Drains (33 42 36 00-0002)		
				33 42 36 00-0092 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0091)		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0093 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0092)		
33 42 36 00-0094 LF 23" Wide, High Density Polyethylene, Modular Trench Drain	210.79	35.03
For Acid Resistant Coated Frame, Add	46.25	
For Galvanized Frame Assembly, Add	46.25	
For Type 304 Stainless Steel Top Frame, Add	284.59	
33 42 36 00-0095 Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0092)		
33 42 36 00-0096 EA End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains	212.27	
33 42 36 00-0097 EA No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	340.93	
33 42 36 00-0098 EA No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	340.93	
33 42 36 00-0099 Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0092)		
33 42 36 00-0100 EA Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains	242.54	
33 42 36 00-0101 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	1,094.56	
33 42 36 00-0102 EA Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains	2,043.20	
33 42 36 00-0103 EA Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains	237.16	
33 42 36 00-0104 Modular Trench Drain Grates (33 42 36 00-0001)		
33 42 36 00-0105 4" Wide, Modular Trench Drain Grates (33 42 36 00-0104)		
33 42 36 00-0106 LF 4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP)	27.01	3.50
33 42 36 00-0107 LF 4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG)	28.26	3.50
33 42 36 00-0108 LF 4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG)	23.28	3.50
33 42 36 00-0109 LF 4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS)	57.53	3.50
33 42 36 00-0110 LF 4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG)	23.28	3.50
33 42 36 00-0111 LF 4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	57.53	3.50
33 42 36 00-0112 6" Wide, Modular Trench Drain Grates (33 42 36 00-0104)		
33 42 36 00-0113 LF 6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	62.76	3.50
33 42 36 00-0114 LF 6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	53.81	3.50
33 42 36 00-0115 LF 6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	56.30	3.50
33 42 36 00-0116 LF 6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	49.71	3.50
33 42 36 00-0117 LF 6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	53.27	3.50
33 42 36 00-0118 LF 6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	53.86	3.50
33 42 36 00-0119 LF 6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	53.86	3.50
33 42 36 00-0120 LF 6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	53.27	3.50
33 42 36 00-0121 LF 6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	47.34	3.50
33 42 36 00-0122 LF 6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	47.34	3.50
33 42 36 00-0123 LF 6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	50.07	3.50
33 42 36 00-0124 LF 6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	50.07	3.50
33 42 36 00-0125 LF 6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	63.94	3.50
33 42 36 00-0126 LF 6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	63.94	3.50
33 42 36 00-0127 LF 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	113.75	3.50
33 42 36 00-0128 LF 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	113.75	3.50
33 42 36 00-0129 LF 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	309.40	3.50
33 42 36 00-0130 LF 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	44.97	3.50
33 42 36 00-0131 LF 6" Wide, Fiberglass, Modular Trench Drain Grate	92.40	3.50
33 42 36 00-0132 12" Wide, Modular Trench Drain Grates (33 42 36 00-0104)		
33 42 36 00-0133 LF 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	166.50	3.80
33 42 36 00-0134 LF 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	159.39	3.80
33 42 36 00-0135 LF 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	139.23	3.80
33 42 36 00-0136 LF 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	146.05	3.80
33 42 36 00-0137 LF 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	126.78	3.80
33 42 36 00-0138 LF 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	243.88	3.80
33 42 36 00-0139 LF 12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	243.88	3.80
33 42 36 00-0140 LF 12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	309.98	3.80
33 42 36 00-0141 LF 12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	309.98	3.80
33 42 36 00-0142 LF 12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	394.47	3.80
33 42 36 00-0143 LF 12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	394.47	3.80
33 42 36 00-0144 LF 12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	374.61	3.80
33 42 36 00-0145 LF 12" Wide, Fiberglass, Modular Trench Drain Grate	179.25	3.80
33 42 36 00-0146 23" Wide, Modular Trench Drain Grates (33 42 36 00-0104)		
33 42 36 00-0147 LF 23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	260.76	4.09
33 42 36 00-0148 LF 23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	220.44	4.09
33 42 36 00-0149 LF 23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	339.02	4.09
33 42 36 00-0150 LF 23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate	252.46	4.09

33 44 Storm Utility Water Drains (33 40)**33 44 36 Oil and Stormwater Separators (33 44)**

33 44 36 00-0001 Oil/Water Separator (33 44 36)
Note: Complete with internal sensors and detectors.

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

33 44 36 00-0002 Coalescing Oil Water Separator (33 44 36 00-0001)
 Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.

33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)

33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	13,311.95	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.				
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	15,606.77	
Note: HTC-G 1000. 4' diameter x 14' long tank.				
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	18,077.29	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.				

33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)

33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	18,990.55	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.				
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	21,379.71	
Note: HTC-G 1000. 4' diameter x 14' long tank.				
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	25,447.59	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.				
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	29,130.45	
Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.				
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	37,506.83	
Note: HTC-G 5000. 6' diameter x 28'-8" long tank.				

33 44 36 00-0013 Accessories For Coalescing Oil Water Separators (33 44 36 00-0002)

33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator	770.56	
Note: HTAP1.				
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator	1,034.82	
Note: HTAP2.				
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator	585.81	
Note: Required for UL 2215 label.				
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator	448.31	
Note: Required for UL 2215 label.				
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator	190.48	
Note: Required for UL 2215 label.				
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	2,450.10	
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	4,900.18	
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	7,350.37	
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	515.18	
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	588.52	
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,177.04	
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	2,453.10	
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator	687.06	
Note: Required when installed in paved areas.				
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator	875.78	
Note: Required when installed in paved areas.				
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator	1,179.10	
Note: Required when installed in paved areas.				
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator	2,036.22	
Note: Required when installed in paved areas.				
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator	2,579.36	
Note: Required when installed in paved areas.				
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator	3,202.72	
Note: Required when installed in paved areas.				
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator	4,002.55	
Note: Required when installed in paved areas.				
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	764.30	
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	931.60	
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,463.29	
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	728.78	
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	884.62	
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,049.63	
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	61.88	
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	69.90	

33 44 36 00-0041 Oil Skimmers (33 44 36)

33 44 36 00-0042 Oil Skimmers, 12" And 24" Models (33 44 36 00-0041)

33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,034.03	679.89
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,259.11	679.89
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,054.87	679.89
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,343.51	679.89
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,291.41	679.89
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,482.10	679.89
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,340.39	679.89
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,627.99	679.89
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,729.33	906.71
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,970.04	906.71
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,792.89	906.71

33 Utilities**33 40 Stormwater Utilities****33 44 Storm Utility Water Drains**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,138.85	906.71
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,337.88	906.71
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,578.59	906.71
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,388.94	906.71
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,735.94	906.71

33 44 36 00-0059 Oil Skimmers, Add-Ons (33 44 36 00-0041)

33 44 36 00-0060	LF	Add For Belt Projection, 12" Width.....	15.63	
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width.....	29.18	
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models.....	267.52	
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models.....	313.37	

33 50 Hydrocarbon Utilities (33)**33 52 Hydrocarbon Transmission and Distribution (33 50)****33 52 16 Gas Hydrocarbon Piping (33 52)****33 52 16 13 Steel Natural Gas Piping (33 52 16)**

See CSI section 23 05 23 00-0000 for gas valves.

33 52 16 13-0001 Gas Distribution Lines (33 52 16 13)
Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.**33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped (33 52 16 13-0001)**

33 52 16 13-0003	LF	1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	15.19	3.07
33 52 16 13-0004	LF	3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	17.24	3.38
33 52 16 13-0005	LF	1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	19.09	3.47
33 52 16 13-0006	LF	1-1/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	19.59	3.56
33 52 16 13-0007	LF	1-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	20.18	3.60
33 52 16 13-0008	LF	2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	21.45	3.86
33 52 16 13-0009	LF	2-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	28.91	4.66
33 52 16 13-0010	LF	3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	36.17	5.87
33 52 16 13-0011	LF	4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	47.37	7.10
33 52 16 13-0012	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	61.71	8.23
33 52 16 13-0013	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	77.11	10.05
33 52 16 13-0014	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	109.37	12.93

33 52 16 13-0015 Gas Line Taps (33 52 16 13-0001)
Note: Includes material to tap into main and gas valve.**33 52 16 13-0016 Polyethylene, 60 PSI (33 52 16 13-0015)**

33 52 16 13-0017	EA	2" Polyethylene Hot Tap, With Valve	1,462.32	
33 52 16 13-0018	EA	2-1/2" Polyethylene Hot Tap, With Valve	1,281.13	
33 52 16 13-0019	EA	3" Polyethylene Hot Tap, With Valve	1,368.34	
33 52 16 13-0020	EA	4" Polyethylene Hot Tap, With Valve	2,600.79	
33 52 16 13-0021	EA	6" Polyethylene Hot Tap, With Valve	3,962.79	

33 52 16 13-0022 Steel, Schedule 40 (33 52 16 13-0015)

Note: For punch steel service tee.

33 52 16 13-0023	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,671.38	
33 52 16 13-0024	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,699.53	
33 52 16 13-0025	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,745.84	
33 52 16 13-0026	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,790.02	
33 52 16 13-0027	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,818.02	
33 52 16 13-0028	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,969.70	
33 52 16 13-0029	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,026.91	

33 52 16 13-0030 Protective Pipe And Fitting Wrap (33 52 16 13-0001)

Note: Includes cleaning and priming pipe.

33 52 16 13-0031 Corrosion Protection Pipe Wrap For Pipe (33 52 16 13-0030)

Note: Field applied.

33 52 16 13-0032	LF	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.00	
33 52 16 13-0033	LF	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.19	
33 52 16 13-0034	LF	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.43	
33 52 16 13-0035	LF	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.97	
33 52 16 13-0036	LF	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.32	
33 52 16 13-0037	LF	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	6.13	
33 52 16 13-0038	LF	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.49	
33 52 16 13-0039	LF	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	9.34	
33 52 16 13-0040	LF	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	11.81	
33 52 16 13-0041	LF	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	15.72	

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

33 52 16 13-0042	Corrosion Resistance Wrap And Coat - Fittings <small>(33 52 16 13-0030)</small>		
	Note: Field applied.		
33 52 16 13-0043	EA 1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	21.25	
33 52 16 13-0044	EA 3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	21.25	
33 52 16 13-0045	EA 1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	26.17	
33 52 16 13-0046	EA 1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	29.60	
33 52 16 13-0047	EA 1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	29.60	
33 52 16 13-0048	EA 2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	35.04	
33 52 16 13-0049	EA 2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	46.73	
33 52 16 13-0050	EA 3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	64.77	
33 52 16 13-0051	EA 4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	65.64	
33 52 16 13-0052	EA 6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	75.69	

33 52 16 23 Medium Density Polyethylene Piping for Natural Gas (33 52 16)

33 52 16 23-0001	Medium Density Polyethylene (MDPE) Gas Distribution Piping <small>(33 52 16 23)</small>		
	Note: 60 PSI, PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 23-0002	LF 1/2" DR 9 (200 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.04	1.93
	<i>For Colors, Add</i>	0.03	
33 52 16 23-0003	LF 3/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.44	2.06
	<i>For DR 13.5 (128 PSI), Deduct</i>	-0.07	
	<i>For Colors, Add</i>	0.04	
33 52 16 23-0004	LF 1" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.85	2.20
	<i>For DR 13.5 (128 PSI), Deduct</i>	-0.08	
	<i>For Colors, Add</i>	0.05	
33 52 16 23-0005	LF 1-1/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	5.26	2.34
	<i>For DR 13.5 (128 PSI), Deduct</i>	-0.10	
	<i>For Colors, Add</i>	0.06	
33 52 16 23-0006	LF 1-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	5.88	2.82
	<i>For DR 13.5 (128 PSI), Deduct</i>	-0.14	
	<i>For Colors, Add</i>	0.09	
33 52 16 23-0007	LF 2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	6.50	3.07
	<i>For DR 13.5 (128 PSI), Deduct</i>	-0.18	
	<i>For DR 15.5 (110 PSI), Deduct</i>	-0.34	
	<i>For Colors, Add</i>	0.12	
33 52 16 23-0008	LF 2-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	7.77	3.59
	<i>For DR 13.5 (128 PSI), Deduct</i>	-0.31	
	<i>For DR 15.5 (110 PSI), Deduct</i>	-0.57	
	<i>For Colors, Add</i>	0.20	
33 52 16 23-0009	LF 3" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	9.24	4.27
	<i>For DR 13.5 (128 PSI), Deduct</i>	-0.42	
	<i>For DR 15.5 (110 PSI), Deduct</i>	-0.77	
	<i>For Colors, Add</i>	0.27	
33 52 16 23-0010	LF 4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	14.26	4.85
	<i>For DR 13.5 (128 PSI), Deduct</i>	-0.78	
	<i>For DR 15.5 (110 PSI), Deduct</i>	-1.43	
	<i>For Colors, Add</i>	0.50	
33 52 16 23-0011	LF 5" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	24.99	4.85
	<i>For DR 13.5 (128 PSI), Deduct</i>	-1.08	
	<i>For DR 15.5 (110 PSI), Deduct</i>	-1.98	
	<i>For Colors, Add</i>	0.69	
33 52 16 23-0012	LF 6" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	20.81	4.85
	<i>For DR 13.5 (128 PSI), Deduct</i>	-1.38	
	<i>For DR 15.5 (110 PSI), Deduct</i>	-2.53	
	<i>For Colors, Add</i>	0.89	
33 52 16 23-0013	LF 8" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	29.41	6.06
	<i>For DR 13.5 (128 PSI), Deduct</i>	-2.29	
	<i>For DR 15.5 (110 PSI), Deduct</i>	-4.22	
	<i>For Colors, Add</i>	1.48	

33 53 Hydrocarbon Utility Pressure Regulation (33 50)

33 53 16 Gas Hydrocarbon Pressure Regulation (33 53)

33 53 16 00-0001	Gas Pressure Regulators With Screwed And Flanged Ends <small>(33 53 16)</small>		
33 53 16 00-0002	EA 3/4" Gas Pressure Regulator, Screwed End.....	169.95	19.70
33 53 16 00-0003	EA 1" Gas Pressure Regulator, Screwed End.....	174.42	19.70
33 53 16 00-0004	EA 1-1/4" Gas Pressure Regulator, Screwed End.....	185.15	23.39
33 53 16 00-0005	EA 1-1/2" Gas Pressure Regulator, Screwed End.....	535.39	27.08
33 53 16 00-0006	EA 2" Gas Pressure Regulator, Screwed End.....	591.85	41.92
33 53 16 00-0007	EA 3" Gas Pressure Regulator, Screwed End.....	1,623.91	94.04
33 53 16 00-0008	EA 4" Gas Pressure Regulator, Screwed End.....	2,242.33	124.62

33 56 Hydrocarbon Storage (33 50)

33 56 13 Aboveground Hydrocarbon Storage Tanks (33 56)

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage (33 56)

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering (33 50)

33 59 11 Diaphragm/Bellows Hydrocarbons Meters (33 59)

33 Utilities**33 50 Hydrocarbon Utilities****33 59 Hydrocarbon Utility Metering**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 59 11 00-0001		Diaphragm Meters ^(33 59 11)		
Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.				
33 59 11 00-0002	EA	250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded.....	468.63	77.04
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0003	EA	425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded.....	864.72	117.83
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0004	EA	425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	980.73	117.83
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0005	EA	800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded.....	1,941.74	147.28
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0006	EA	1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	2,225.53	181.27
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0007	EA	800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	2,770.69	147.28
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0008	EA	1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	3,117.57	181.27
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0009	EA	1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	4,037.93	192.61
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0010	EA	2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	5,643.46	226.59
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0011	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	8,673.18	373.88
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	

33 59 16 Hydrocarbons Turbine Meters ^(33 59)

33 59 16 00-0001		Gas Turbine Meters With Direct-Digital Reading ^(33 59 16)		
Note: Maximum working pressure 175 PSI, flanged end connections.				
33 59 16 00-0002	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	7,031.78	363.68
33 59 16 00-0003	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	7,097.03	422.33
33 59 16 00-0004	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	10,947.25	507.13
33 59 16 00-0005	EA	10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	21,077.61	617.37
33 59 16 00-0006	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	35,601.03	771.71

33 60 Hydronic And Steam Energy Utilities ⁽³³⁾**33 61 Hydronic Energy Distribution ^(33 60)****33 61 13 Buried Hydronic Energy Distribution ^(33 61)**

33 61 13 00-0001		Preinsulated Pipe ^(33 61 13)		
Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 23 01 20 91-0025 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.				
33 61 13 00-0002		Preinsulated Schedule 40 Black Steel Pipe ^(33 61 13 00-0001)		
Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.				
33 61 13 00-0003		Standard Black Steel Carrier Pipe ^(33 61 13 00-0002)		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.				
33 61 13 00-0004	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	55.04	
		For Schedule 80 Pipe, Add	5.38	
		For High Density Polyethylene (HDPE) Jacket, Add	0.54	
33 61 13 00-0005	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	59.95	
		For Schedule 80 Pipe, Add	5.92	
		For High Density Polyethylene (HDPE) Jacket, Add	0.59	
33 61 13 00-0006	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	65.57	
		For Schedule 80 Pipe, Add	6.67	
		For High Density Polyethylene (HDPE) Jacket, Add	0.67	
33 61 13 00-0007	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	69.82	
		For Schedule 80 Pipe, Add	7.16	
		For High Density Polyethylene (HDPE) Jacket, Add	0.72	
33 61 13 00-0008	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	73.54	
		For Schedule 80 Pipe, Add	7.48	
		For High Density Polyethylene (HDPE) Jacket, Add	0.75	
33 61 13 00-0009	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	85.34	
		For Schedule 80 Pipe, Add	8.13	
		For High Density Polyethylene (HDPE) Jacket, Add	0.81	
33 61 13 00-0010	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	98.43	
		For Schedule 80 Pipe, Add	8.78	
		For High Density Polyethylene (HDPE) Jacket, Add	0.88	

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

33 61 13 00-0011	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	124.72	
		<i>For Schedule 80 Pipe, Add</i>	11.06	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.11	
33 61 13 00-0012	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	155.78	
		<i>For Schedule 80 Pipe, Add</i>	14.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.41	
33 61 13 00-0013	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	181.75	
		<i>For Schedule 80 Pipe, Add</i>	16.43	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.64	
33 61 13 00-0014	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	239.91	
		<i>For Schedule 80 Pipe, Add</i>	23.91	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.39	
33 61 13 00-0015	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	301.01	
		<i>For Schedule 80 Pipe, Add</i>	31.55	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.16	
33 61 13 00-0016	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	373.08	
		<i>For Schedule 80 Pipe, Add</i>	39.36	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.94	

33 61 13 00-0017 Standard Black Steel Carrier Pipe (33 61 13 00-0002)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0018	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.73	
		<i>For Schedule 80 Pipe, Add</i>	5.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.59	
33 61 13 00-0019	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	62.91	
		<i>For Schedule 80 Pipe, Add</i>	6.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61 13 00-0020	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.90	
		<i>For Schedule 80 Pipe, Add</i>	7.33	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
33 61 13 00-0021	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	73.40	
		<i>For Schedule 80 Pipe, Add</i>	7.87	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.79	
33 61 13 00-0022	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	77.28	
		<i>For Schedule 80 Pipe, Add</i>	8.23	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.82	
33 61 13 00-0023	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	89.40	
		<i>For Schedule 80 Pipe, Add</i>	8.94	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.89	
33 61 13 00-0024	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	102.82	
		<i>For Schedule 80 Pipe, Add</i>	9.66	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.97	
33 61 13 00-0025	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	130.25	
		<i>For Schedule 80 Pipe, Add</i>	12.16	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.22	
33 61 13 00-0026	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	162.86	
		<i>For Schedule 80 Pipe, Add</i>	15.56	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.56	
33 61 13 00-0027	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	189.96	
		<i>For Schedule 80 Pipe, Add</i>	18.07	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.81	
33 61 13 00-0028	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	251.87	
		<i>For Schedule 80 Pipe, Add</i>	26.30	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.63	
33 61 13 00-0029	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	316.79	
		<i>For Schedule 80 Pipe, Add</i>	34.71	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.47	
33 61 13 00-0030	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	392.76	
		<i>For Schedule 80 Pipe, Add</i>	43.29	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.33	

33 61 13 00-0031 Standard Black Steel Carrier Pipe (33 61 13 00-0002)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0032	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	59.07	
		<i>For Schedule 80 Pipe, Add</i>	6.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 61 13 00-0033	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	64.39
		<i>For Schedule 80 Pipe, Add</i>	6.81
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68
33 61 13 00-0034	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	70.57
		<i>For Schedule 80 Pipe, Add</i>	7.67
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.77
33 61 13 00-0035	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	75.19
		<i>For Schedule 80 Pipe, Add</i>	8.23
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.82
33 61 13 00-0036	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	79.15
		<i>For Schedule 80 Pipe, Add</i>	8.60
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.86
33 61 13 00-0037	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	91.44
		<i>For Schedule 80 Pipe, Add</i>	9.35
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.94
33 61 13 00-0038	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	105.02
		<i>For Schedule 80 Pipe, Add</i>	10.10
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.01
33 61 13 00-0039	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	133.02
		<i>For Schedule 80 Pipe, Add</i>	12.72
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.27
33 61 13 00-0040	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	166.40
		<i>For Schedule 80 Pipe, Add</i>	16.27
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.63
33 61 13 00-0041	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	194.07
		<i>For Schedule 80 Pipe, Add</i>	18.89
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.89
33 61 13 00-0042	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	257.84
		<i>For Schedule 80 Pipe, Add</i>	27.49
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.75
33 61 13 00-0043	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	324.68
		<i>For Schedule 80 Pipe, Add</i>	36.28
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.63
33 61 13 00-0044	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	402.60
		<i>For Schedule 80 Pipe, Add</i>	45.26
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.53
33 61 13 00-0045		Standard Black Steel Carrier Pipe <small>(33 61 13 00-0002)</small>	
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.	
33 61 13 00-0046	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.09
		<i>For Schedule 80 Pipe, Add</i>	6.59
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.66
33 61 13 00-0047	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	66.61
		<i>For Schedule 80 Pipe, Add</i>	7.25
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73
33 61 13 00-0048	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	73.07
		<i>For Schedule 80 Pipe, Add</i>	8.17
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.82
33 61 13 00-0049	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	77.87
		<i>For Schedule 80 Pipe, Add</i>	8.77
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.88
33 61 13 00-0050	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	81.95
		<i>For Schedule 80 Pipe, Add</i>	9.16
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92
33 61 13 00-0051	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	94.49
		<i>For Schedule 80 Pipe, Add</i>	9.96
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.00
33 61 13 00-0052	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	108.31
		<i>For Schedule 80 Pipe, Add</i>	10.76
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.08
33 61 13 00-0053	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	137.17
		<i>For Schedule 80 Pipe, Add</i>	13.55
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.35
33 61 13 00-0054	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	171.70
		<i>For Schedule 80 Pipe, Add</i>	17.33
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.73

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

33 61	13 00-0055	LF		6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	200.23	
				<i>For Schedule 80 Pipe, Add</i>	20.12	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.01	
33 61	13 00-0056	LF		8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	266.81	
				<i>For Schedule 80 Pipe, Add</i>	29.29	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.93	
33 61	13 00-0057	LF		10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	336.51	
				<i>For Schedule 80 Pipe, Add</i>	38.65	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.87	
33 61	13 00-0058	LF		12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	417.36	
				<i>For Schedule 80 Pipe, Add</i>	48.21	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.62	
33 61	13 00-0059			Preinsulated Black Steel Fittings <small>(33 61 13 00-0001)</small>		
				Note: No excavation or backfill.		
33 61	13 00-0060			Elbows <small>(33 61 13 00-0059)</small>		
33 61	13 00-0061			Elbows <small>(33 61 13 00-0060)</small>		
				Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0062	EA		3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	408.77	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.53	
33 61	13 00-0063	EA		1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	425.51	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.66	
33 61	13 00-0064	EA		1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	490.45	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.44	
33 61	13 00-0065	EA		1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	557.16	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.03	
33 61	13 00-0066	EA		2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	674.73	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.32	
33 61	13 00-0067	EA		2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	832.10	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.61	
33 61	13 00-0068	EA		3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	968.12	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.78	
33 61	13 00-0069	EA		4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,129.91	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.25	
33 61	13 00-0070	EA		5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,319.70	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.17	
33 61	13 00-0071	EA		6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,442.08	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.96	
33 61	13 00-0072	EA		8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,007.93	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.63	
33 61	13 00-0073	EA		10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,680.39	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.65	
33 61	13 00-0074	EA		12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,387.97	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.59	
33 61	13 00-0075			Elbows <small>(33 61 13 00-0060)</small>		
				Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0076	EA		3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	429.51	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.94	
33 61	13 00-0077	EA		1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	446.73	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.08	
33 61	13 00-0078	EA		1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	514.60	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.92	
33 61	13 00-0079	EA		1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	583.51	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.55	
33 61	13 00-0080	EA		2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	702.18	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.87	
33 61	13 00-0081	EA		2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	860.64	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.18	
33 61	13 00-0082	EA		3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,001.05	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.44	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0083	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,168.33 11.01	
33 61	13 00-0084	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,369.10 14.16	
33 61	13 00-0085	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,498.18 16.08	
33 61	13 00-0086	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,089.04 23.25	
33 61	13 00-0087	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,784.07 29.72	
33 61	13 00-0088	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,525.19 39.34	
33 61	13 00-0089		Elbows <small>(33 61 13 00-0060)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0090	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	450.24 6.36	
33 61	13 00-0091	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	467.96 6.51	
33 61	13 00-0092	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	538.75 7.41	
33 61	13 00-0093	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	609.86 8.08	
33 61	13 00-0094	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	729.62 8.42	
33 61	13 00-0095	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	889.18 8.75	
33 61	13 00-0096	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,033.98 10.10	
33 61	13 00-0097	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,206.75 11.78	
33 61	13 00-0098	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,418.50 15.15	
33 61	13 00-0099	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,554.29 17.21	
33 61	13 00-0100	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,170.16 24.87	
33 61	13 00-0101	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,887.74 31.79	
33 61	13 00-0102	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,662.41 42.08	
33 61	13 00-0103		Elbows <small>(33 61 13 00-0060)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0104	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	470.98 6.77	
33 61	13 00-0105	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	489.18 6.93	
33 61	13 00-0106	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	562.90 7.89	
33 61	13 00-0107	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	636.20 8.61	
33 61	13 00-0108	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	757.06 8.97	
33 61	13 00-0109	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	917.72 9.32	
33 61	13 00-0110	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,066.91 10.76	
33 61	13 00-0111	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,245.17 12.55	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0112	EA		5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,467.90	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.14	
33 61	13 00-0113	EA		6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,610.40	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.33	
33 61	13 00-0114	EA		8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,251.27	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.50	
33 61	13 00-0115	EA		10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,991.42	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.87	
33 61	13 00-0116	EA		12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,799.63	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	44.83	
33 61	13 00-0117			Tees <small>(33 61 13 00-0059)</small>		
33 61	13 00-0118			Tees <small>(33 61 13 00-0117)</small>		
				Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0119	EA		3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	608.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.21	
33 61	13 00-0120	EA		1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	633.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.40	
33 61	13 00-0121	EA		1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	730.63	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.56	
33 61	13 00-0122	EA		1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	830.21	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.43	
33 61	13 00-0123	EA		2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,006.03	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.87	
33 61	13 00-0124	EA		2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,241.62	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.30	
33 61	13 00-0125	EA		3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,445.60	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.04	
33 61	13 00-0126	EA		4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,687.18	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.22	
33 61	13 00-0127	EA		5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,973.17	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.56	
33 61	13 00-0128	EA		6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,152.85	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.22	
33 61	13 00-0129	EA		8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,993.96	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.12	
33 61	13 00-0130	EA		10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,002.14	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	41.06	
33 61	13 00-0131	EA		12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,054.49	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	54.34	
33 61	13 00-0132			Tees <small>(33 61 13 00-0117)</small>		
				Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0133	EA		3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	639.74	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.83	
33 61	13 00-0134	EA		1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	665.33	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.03	
33 61	13 00-0135	EA		1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	766.49	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.28	
33 61	13 00-0136	EA		1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	869.33	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.22	
33 61	13 00-0137	EA		2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,046.79	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.68	
33 61	13 00-0138	EA		2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,284.00	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.15	
33 61	13 00-0139	EA		3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,494.51	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.02	
33 61	13 00-0140	EA		4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,744.24	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.36	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0141	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,046.53 21.03	
33 61	13 00-0142	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,236.17 23.89	
33 61	13 00-0143	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,114.41 34.53	
33 61	13 00-0144	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4,156.10 44.14	
33 61	13 00-0145	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5,258.27 58.41	
33 61	13 00-0146		Tees <small>(33 61 13 00-0117)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0147	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	670.53 9.44	
33 61	13 00-0148	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	696.85 9.67	
33 61	13 00-0149	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	802.35 11.00	
33 61	13 00-0150	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	908.46 12.00	
33 61	13 00-0151	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,087.54 12.50	
33 61	13 00-0152	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,326.39 13.00	
33 61	13 00-0153	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,543.41 15.00	
33 61	13 00-0154	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,801.29 17.50	
33 61	13 00-0155	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,119.88 22.50	
33 61	13 00-0156	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,319.49 25.55	
33 61	13 00-0157	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,234.86 36.94	
33 61	13 00-0158	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4,310.06 47.21	
33 61	13 00-0159	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5,462.04 62.49	
33 61	13 00-0160		Tees <small>(33 61 13 00-0117)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0161	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	701.32 10.06	
33 61	13 00-0162	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	728.36 10.30	
33 61	13 00-0163	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	838.22 11.72	
33 61	13 00-0164	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	947.58 12.78	
33 61	13 00-0165	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,128.30 13.31	
33 61	13 00-0166	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,368.77 13.85	
33 61	13 00-0167	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,592.32 15.98	
33 61	13 00-0168	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,858.35 18.64	
33 61	13 00-0169	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,193.24 23.96	

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

33 61	13 00-0170	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,402.81	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		27.22
33 61	13 00-0171	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,355.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		39.35
33 61	13 00-0172	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,464.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		50.29
33 61	13 00-0173	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,665.81	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		66.57

33 61 13 00-0174 Reducers (33 61 13 00-0059)

33 61 13 00-0175 Reducers (33 61 13 00-0174)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0176	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	348.58	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		4.59
33 61	13 00-0177	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	363.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		4.70
33 61	13 00-0178	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	418.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		5.35
33 61	13 00-0179	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	476.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		5.83
33 61	13 00-0180	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	581.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.07
33 61	13 00-0181	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	732.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.32
33 61	13 00-0182	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	844.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.29
33 61	13 00-0183	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	980.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		8.50
33 61	13 00-0184	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,141.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		10.93
33 61	13 00-0185	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,245.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		12.42
33 61	13 00-0186	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,731.64	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		17.95
33 61	13 00-0187	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,316.14	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		22.95
33 61	13 00-0188	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,918.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		30.37

33 61 13 00-0189 Reducers (33 61 13 00-0174)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0190	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	365.79	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		4.93
33 61	13 00-0191	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	380.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		5.05
33 61	13 00-0192	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	438.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		5.75
33 61	13 00-0193	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	498.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.27
33 61	13 00-0194	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	604.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.53
33 61	13 00-0195	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	756.08	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.79
33 61	13 00-0196	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	872.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.84
33 61	13 00-0197	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,012.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		9.14
33 61	13 00-0198	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,182.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		11.75

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 61	13 00-0199	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,292.30	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.35	
33 61	13 00-0200	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,798.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.30	
33 61	13 00-0201	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,402.19	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.67	
33 61	13 00-0202	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,032.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.65	
33 61	13 00-0203		Reducers <small>(33 61 13 00-0174)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0204	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	383.00	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.28	
33 61	13 00-0205	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	398.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.40	
33 61	13 00-0206	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	458.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.15	
33 61	13 00-0207	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	520.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.71	
33 61	13 00-0208	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	627.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.99	
33 61	13 00-0209	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	779.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.26	
33 61	13 00-0210	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	899.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.38	
33 61	13 00-0211	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,044.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.78	
33 61	13 00-0212	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,223.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.57	
33 61	13 00-0213	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,338.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.28	
33 61	13 00-0214	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,866.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.65	
33 61	13 00-0215	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,488.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.39	
33 61	13 00-0216	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,146.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.93	
33 61	13 00-0217		Reducers <small>(33 61 13 00-0174)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0218	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	400.21	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.62	
33 61	13 00-0219	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	415.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.75	
33 61	13 00-0220	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	479.00	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.55	
33 61	13 00-0221	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	542.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.14	
33 61	13 00-0222	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	649.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.44	
33 61	13 00-0223	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	803.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.74	
33 61	13 00-0224	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	926.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.93	
33 61	13 00-0225	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,076.45	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.42	
33 61	13 00-0226	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,264.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.39	
33 61	13 00-0227	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,385.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.21	

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

33 61 13 00-0228	EA		8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,933.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.99	
33 61 13 00-0229	EA		10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,574.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.11	
33 61 13 00-0230	EA		12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,260.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.21	
33 61 13 00-0231			Preinsulated Type K Copper Pipe <small>(33 61 13 00-0001)</small>		
			Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0232			Type K Copper Carrier Pipe <small>(33 61 13 00-0231)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0233	LF		3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	42.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.32	
33 61 13 00-0234	LF		1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	46.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.36	
33 61 13 00-0235	LF		1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	50.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.40	
33 61 13 00-0236	LF		1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.43	
33 61 13 00-0237	LF		2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	
33 61 13 00-0238	LF		2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	66.71	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.49	
33 61 13 00-0239	LF		3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	77.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.53	
33 61 13 00-0240	LF		4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	98.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.66	
33 61 13 00-0241	LF		5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	122.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.85	
33 61 13 00-0242	LF		6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	143.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.99	
33 61 13 00-0243	LF		8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	185.74	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.44	
33 61 13 00-0244	LF		10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	230.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.90	
33 61 13 00-0245	LF		12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	285.08	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.37	
33 61 13 00-0246			Type K Copper Carrier Pipe <small>(33 61 13 00-0231)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0247	LF		3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	44.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.36	
33 61 13 00-0248	LF		1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	48.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.39	
33 61 13 00-0249	LF		1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	52.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.44	
33 61 13 00-0250	LF		1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	55.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.47	
33 61 13 00-0251	LF		2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.49	
33 61 13 00-0252	LF		2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	69.15	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
33 61 13 00-0253	LF		3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	80.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.58	
33 61 13 00-0254	LF		4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	102.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
33 61 13 00-0255	LF		5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	127.23	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.94	
33 61 13 00-0256	LF		6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	148.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.09	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0257	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	192.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.58	
33 61	13 00-0258	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	239.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.09	
33 61	13 00-0259	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	296.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.60	
33 61	13 00-0260		Type K Copper Carrier Pipe <small>(33 61 13 00-0231)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0261	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	45.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.37	
33 61	13 00-0262	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.41	
33 61	13 00-0263	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.46	
33 61	13 00-0264	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.49	
33 61	13 00-0265	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	60.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.52	
33 61	13 00-0266	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	70.37	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.56	
33 61	13 00-0267	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	81.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.61	
33 61	13 00-0268	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	103.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.76	
33 61	13 00-0269	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	129.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.98	
33 61	13 00-0270	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	151.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.14	
33 61	13 00-0271	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	196.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.65	
33 61	13 00-0272	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	244.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.18	
33 61	13 00-0273	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	302.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.72	
33 61	13 00-0274		Type K Copper Carrier Pipe <small>(33 61 13 00-0231)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0275	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	46.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.40	
33 61	13 00-0276	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	50.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.44	
33 61	13 00-0277	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	55.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.49	
33 61	13 00-0278	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.53	
33 61	13 00-0279	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.55	
33 61	13 00-0280	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	72.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
33 61	13 00-0281	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	83.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61	13 00-0282	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	106.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.81	
33 61	13 00-0283	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	132.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.04	
33 61	13 00-0284	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	154.74	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.21	
33 61	13 00-0285	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	201.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0286	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	251.70	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.32	
33 61	13 00-0287	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	311.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.90	
33 61	13 00-0288		Preinsulated Copper Fittings <small>(33 61 13 00-0001)</small>		
33 61	13 00-0289		Elbows <small>(33 61 13 00-0288)</small>		
33 61	13 00-0290		Elbows <small>(33 61 13 00-0289)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0291	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	299.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.69	
33 61	13 00-0292	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	312.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.77	
33 61	13 00-0293	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	361.23	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.30	
33 61	13 00-0294	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	413.30	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.69	
33 61	13 00-0295	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	512.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.88	
33 61	13 00-0296	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	646.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.08	
33 61	13 00-0297	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	752.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.86	
33 61	13 00-0298	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	878.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.83	
33 61	13 00-0299	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,014.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.79	
33 61	13 00-0300	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,102.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.98	
33 61	13 00-0301	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,526.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.43	
33 61	13 00-0302	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,050.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.44	
33 61	13 00-0303	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,575.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.40	
33 61	13 00-0304		Elbows <small>(33 61 13 00-0289)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0305	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	313.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.96	
33 61	13 00-0306	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	326.81	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.06	
33 61	13 00-0307	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	377.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.62	
33 61	13 00-0308	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	430.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.04	
33 61	13 00-0309	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	530.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.25	
33 61	13 00-0310	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	665.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.46	
33 61	13 00-0311	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	774.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.30	
33 61	13 00-0312	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	904.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.35	
33 61	13 00-0313	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,046.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.44	
33 61	13 00-0314	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,139.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.73	
33 61	13 00-0315	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,580.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.51	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0316	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,119.67 19.82	
33 61	13 00-0317	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,666.81 26.23	
33 61	13 00-0318		Elbows <small>(33 61 13 00-0289)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0319	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	327.08 4.24	
33 61	13 00-0320	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	340.96 4.34	
33 61	13 00-0321	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	393.44 4.94	
33 61	13 00-0322	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	448.44 5.39	
33 61	13 00-0323	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	549.18 5.61	
33 61	13 00-0324	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	684.49 5.84	
33 61	13 00-0325	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	796.77 6.74	
33 61	13 00-0326	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	929.94 7.86	
33 61	13 00-0327	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,079.93 10.10	
33 61	13 00-0328	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,177.51 11.48	
33 61	13 00-0329	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,634.89 16.59	
33 61	13 00-0330	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,188.36 21.20	
33 61	13 00-0331	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,758.66 28.06	
33 61	13 00-0332		Elbows <small>(33 61 13 00-0289)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0333	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	340.91 4.52	
33 61	13 00-0334	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	355.12 4.62	
33 61	13 00-0335	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	409.55 5.26	
33 61	13 00-0336	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	466.01 5.74	
33 61	13 00-0337	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	567.48 5.98	
33 61	13 00-0338	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	703.53 6.22	
33 61	13 00-0339	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	818.73 7.17	
33 61	13 00-0340	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	955.56 8.37	
33 61	13 00-0341	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,112.88 10.76	
33 61	13 00-0342	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,214.93 12.22	
33 61	13 00-0343	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,688.98 17.67	
33 61	13 00-0344	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,257.51 22.59	

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

33 61	13 00-0345	EA		12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,850.17	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.90	

33 61 13 00-0346 Tees (33 61 13 00-0288)

33 61 13 00-0347 Tees (33 61 13 00-0346)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0348	EA		3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	446.31	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.48	
33 61	13 00-0349	EA		1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	465.98	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.61	
33 61	13 00-0350	EA		1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	538.42	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.38	
33 61	13 00-0351	EA		1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	616.20	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.96	
33 61	13 00-0352	EA		2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	764.67	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.25	
33 61	13 00-0353	EA		2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	965.15	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.54	
33 61	13 00-0354	EA		3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,124.90	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.70	
33 61	13 00-0355	EA		4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,312.95	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.15	
33 61	13 00-0356	EA		5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,517.59	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.05	
33 61	13 00-0357	EA		6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,646.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.82	
33 61	13 00-0358	EA		8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,277.80	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.42	
33 61	13 00-0359	EA		10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,063.87	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.38	
33 61	13 00-0360	EA		12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,844.64	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.24	

33 61 13 00-0361 Tees (33 61 13 00-0346)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0362	EA		3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	466.85	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.89	
33 61	13 00-0363	EA		1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	487.00	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.03	
33 61	13 00-0364	EA		1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	562.34	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.86	
33 61	13 00-0365	EA		1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	642.30	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.48	
33 61	13 00-0366	EA		2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	791.85	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.79	
33 61	13 00-0367	EA		2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	993.41	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.10	
33 61	13 00-0368	EA		3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,157.52	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.35	
33 61	13 00-0369	EA		4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,351.00	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.91	
33 61	13 00-0370	EA		5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,566.52	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.03	
33 61	13 00-0371	EA		6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,702.38	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.93	
33 61	13 00-0372	EA		8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,358.13	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.03	
33 61	13 00-0373	EA		10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,166.55	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.44	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 61 13 00-0374	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,980.54
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.96
33 61 13 00-0375 Tees <small>(33 61 13 00-0346)</small>			
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0376	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	487.39
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.30
33 61 13 00-0377	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	508.02
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.45
33 61 13 00-0378	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	586.26
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.34
33 61 13 00-0379	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	668.39
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.00
33 61 13 00-0380	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	819.03
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.34
33 61 13 00-0381	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,021.68
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.67
33 61 13 00-0382	EA	3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,190.13
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.00
33 61 13 00-0383	EA	4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,389.06
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.67
33 61 13 00-0384	EA	5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,615.44
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.00
33 61 13 00-0385	EA	6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,758.38
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.04
33 61 13 00-0386	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,437.31
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.64
33 61 13 00-0387	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,266.63
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.49
33 61 13 00-0388	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,119.45
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	41.68
33 61 13 00-0389 Tees <small>(33 61 13 00-0346)</small>			
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0390	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	507.92
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.71
33 61 13 00-0391	EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	529.03
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.87
33 61 13 00-0392	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	610.18
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.81
33 61 13 00-0393	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	694.48
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.52
33 61 13 00-0394	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	846.21
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.88
33 61 13 00-0395	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,049.95
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.23
33 61 13 00-0396	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,222.75
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.65
33 61 13 00-0397	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,427.11
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.43
33 61 13 00-0398	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,664.36
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.98
33 61 13 00-0399	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,813.95
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.15
33 61 13 00-0400	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,517.64
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.24
33 61 13 00-0401	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,369.31
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.54
33 61 13 00-0402	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,255.35
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	44.39

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

33 61 13 00-0403		Reducers <small>(33 61 13 00-0288)</small>		
33 61 13 00-0404		Reducers <small>(33 61 13 00-0403)</small>		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0405	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	256.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.06	
33 61 13 00-0406	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	268.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.13	
33 61 13 00-0407	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	310.07	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.57	
33 61 13 00-0408	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	355.48	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.89	
33 61 13 00-0409	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	444.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.05	
33 61 13 00-0410	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	572.85	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.21	
33 61 13 00-0411	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	660.75	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.86	
33 61 13 00-0412	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	766.67	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.67	
33 61 13 00-0413	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	882.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.29	
33 61 13 00-0414	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	957.41	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.28	
33 61 13 00-0415	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,323.80	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.97	
33 61 13 00-0416	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,781.52	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.30	
33 61 13 00-0417	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,230.29	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.26	
33 61 13 00-0418		Reducers <small>(33 61 13 00-0403)</small>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0419	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	268.09	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.29	
33 61 13 00-0420	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	279.90	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.37	
33 61 13 00-0421	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	323.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.83	
33 61 13 00-0422	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	370.07	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.18	
33 61 13 00-0423	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	459.31	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.36	
33 61 13 00-0424	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	588.65	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.53	
33 61 13 00-0425	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	678.98	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.23	
33 61 13 00-0426	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	787.93	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.10	
33 61 13 00-0427	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	909.45	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.84	
33 61 13 00-0428	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	988.47	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.90	
33 61 13 00-0429	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,368.70	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.87	
33 61 13 00-0430	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,838.91	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.45	
33 61 13 00-0431	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,306.25	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.77	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**33 61 13 00-0432****Reducers** (33 61 13 00-0403)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0433	EA		3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	279.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.52	
33 61 13 00-0434	EA		1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	291.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.60	
33 61 13 00-0435	EA		1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	336.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.10	
33 61 13 00-0436	EA		1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	384.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.47	
33 61 13 00-0437	EA		2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	474.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.66	
33 61 13 00-0438	EA		2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	604.44	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.85	
33 61 13 00-0439	EA		3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	697.21	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.59	
33 61 13 00-0440	EA		4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	809.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.52	
33 61 13 00-0441	EA		5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	936.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.39	
33 61 13 00-0442	EA		6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,019.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.52	
33 61 13 00-0443	EA		8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,413.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.77	
33 61 13 00-0444	EA		10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,895.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.60	
33 61 13 00-0445	EA		12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,382.48	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.29	

33 61 13 00-0446**Reducers** (33 61 13 00-0403)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0447	EA		3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	291.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.75	
33 61 13 00-0448	EA		1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	303.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.84	
33 61 13 00-0449	EA		1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	350.17	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.37	
33 61 13 00-0450	EA		1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	399.23	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.76	
33 61 13 00-0451	EA		2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	489.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.96	
33 61 13 00-0452	EA		2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	620.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.16	
33 61 13 00-0453	EA		3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	715.44	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.96	
33 61 13 00-0454	EA		4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	830.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.95	
33 61 13 00-0455	EA		5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	964.14	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.93	
33 61 13 00-0456	EA		6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,050.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.15	
33 61 13 00-0457	EA		8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,458.08	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.67	
33 61 13 00-0458	EA		10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,953.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.75	
33 61 13 00-0459	EA		12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,458.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.81	

33 61 13 00-0460**Tempered Water Piping Pre-Insulated** (33 61 13 00-0001)

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-------------	------------------------	----------------------

33 61 13 00-0461	Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0460)</small>		
33 61 13 00-0462	LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	60.72	24.52
33 61 13 00-0463	LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	74.71	28.75
33 61 13 00-0464	LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	94.58	30.49
33 61 13 00-0465	LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	123.71	38.12
33 61 13 00-0466	LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	156.99	47.01
33 61 13 00-0467	Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0460)</small>		
33 61 13 00-0468	LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	50.20	28.75
33 61 13 00-0469	LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	52.45	28.75
33 61 13 00-0470	LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	54.55	28.75
33 61 13 00-0471	LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	65.53	33.97
33 61 13 00-0472	LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	80.71	43.12
33 61 13 00-0473	Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0460)</small>		
33 61 13 00-0474	LF 4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	50.20	28.75
33 61 13 00-0475	LF 6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	52.45	28.75
33 61 13 00-0476	LF 8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	54.55	28.75
33 61 13 00-0477	LF 10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	65.53	33.97
33 61 13 00-0478	LF 12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	80.71	43.12

33 70 Electrical Utilities (33)

33 71 Electrical Utility Transmission And Distribution (33 70)

33 71 19 Electrical Underground Ducts, Ductbanks and Manholes (33 71)

33 71 19 00-0001	Electrical Handholes And Pull Boxes <small>(33 71 19)</small>		
33 71 19 00-0002	Electrical Pull Boxes <small>(33 71 19 00-0001)</small> See CSI section 33 05 63 00-0427 for handholes.		
33 71 19 00-0003	EA 24" x 36" x 24", Electric Pull Boxes, Precast Concrete	1,745.23	
33 71 19 00-0004	EA 24" x 36" x 36", Electric Pull Boxes, Precast Concrete	2,055.60	
33 71 19 00-0005	EA 30" x 48" x 36", Electric Pull Boxes, Precast Concrete	2,349.29	
33 71 19 00-0006	EA 36" x 72" x 24", Electric Pull Boxes, Precast Concrete	3,486.71	
33 71 19 00-0007	EA 36" x 60" x 36", Electric Pull Boxes, Precast Concrete	3,681.71	
33 71 19 00-0008	EA 48" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,940.66	
33 71 19 00-0009	EA 48" x 60" x 48", Electric Pull Boxes, Precast Concrete	4,520.66	
33 71 19 00-0010	Electrical Property Line Boxes <small>(33 71 19)</small>		
33 71 19 00-0011	EA 3'-6" x 2'-9" x 2' Deep Property Line Box	3,006.18	432.18
33 71 19 00-0012	EA 4'-6" x 3'-6" x 4' Deep Property Line Box	3,475.63	448.19
33 71 19 00-0013	EA 6' x 4' x 5' Deep Property Line Box	3,863.80	544.23
33 71 19 00-0014	EA 11'-6" x 4'-6" x 6' Deep Property Line Box	5,884.36	800.33
33 71 19 00-0015	Underground Electrical Concrete Markers <small>(33 71 19)</small>		
33 71 19 00-0016	EA 36" x 6" x 6", Underground Electric Concrete Marker	374.73	
33 71 19 00-0017	Manhole Accessories <small>(33 71 19)</small>		
33 71 19 00-0018	EA 6" Precast Grade Ring Riser Casting.....	471.32	
33 71 19 00-0019	EA 12" Precast Grade Ring Riser Casting.....	510.46	
33 71 19 00-0020	EA 36" Opening Cast Iron Frame And Cover NEENAH #R-1640-D.....	1,445.98	
33 71 19 00-0021	EA 42" Opening Cast Iron Frame And Cover NEENAH #R-1740-E1.....	1,873.22	
33 71 19 00-0022	EA Cast Iron Adjusting Ring NEENAH #R-1979.....	671.66	
33 71 19 00-0023	EA Cast Iron Frame And Cover NEENAH #R-1640-B.....	829.43	

END OF SECTION 33

33 Utilities

33 70 Electrical Utilities

33 71 Electrical Utility Transmission And Distribution

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

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

34 Transportation

34 40 Transportation Signaling and Control Equipment ⁽³⁴⁾

34 41 Roadway Signaling and Control Equipment ^(34 40)

34 41 13 Traffic Signals ^(34 41)

34 41 13 00-0001 School Zone Flasher Beacons ^(34 41 13)

34 41 13 00-0002	EA	One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,509.33	203.02
<small>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.</small>				
34 41 13 00-0003	EA	One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,533.19	203.02
<small>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.</small>				
34 41 13 00-0004	EA	Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,938.19	203.02
<small>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.</small>				
34 41 13 00-0005	EA	Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	4,014.53	203.02
<small>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.</small>				
34 41 13 00-0006	EA	10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	7,238.55	203.02
<small>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.</small>				
34 41 13 00-0007	EA	10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	7,537.71	203.02
<small>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.</small>				

34 70 Transportation Construction And Equipment ⁽³⁴⁾

34 71 Roadway Construction ^(34 70)

34 71 13 Vehicle Barriers ^(34 71)

34 71 13 13 Vehicle Median Barriers ^(34 71 13)

34 71 13 13-0001 Cast In Place Concrete Barriers ^(34 71 13 13)

Note: Excludes excavation and backfill. Includes concrete, formwork, steel reinforcement.

34 71 13 13-0002	LF	Type A Cast in Place Concrete Barrier.....	96.73	
34 71 13 13-0003	LF	Type B Cast in Place Concrete Barrier.....	111.13	
34 71 13 13-0004	LF	Type C Cast in Place Concrete Barrier.....	111.13	
34 71 13 13-0005	LF	Half Section Cast in Place Concrete Barrier.....	87.76	
34 71 13 13-0006	LF	Single Slope Cast in Place Concrete Barrier.....	116.60	

34 71 13 13-0007 Precast Concrete Barriers ^(34 71 13 13)

Note: Excludes excavation and Backfill. Product as manufactured by Binghamton Precast and Supply.

34 71 13 13-0008	LF	Type A Precast Concrete Barrier.....	97.74	
<i>For Up To 5, Add</i>			<i>32.34</i>	
34 71 13 13-0009	LF	Type B Precast Concrete Barrier.....	110.84	
<i>For Up To 5, Add</i>			<i>38.89</i>	
34 71 13 13-0010	LF	Type C Precast Concrete Barrier.....	110.84	
<i>For Up To 5, Add</i>			<i>38.89</i>	
34 71 13 13-0011	LF	Pier Protection Half Section Precast Concrete Barrier.....	93.60	
<i>For Up To 5, Add</i>			<i>30.27</i>	
<i>For Up To 20, Add</i>			<i>8.63</i>	
34 71 13 13-0012	LF	8" Top, Single Slope Precast Concrete Barrier.....	99.98	
<i>For Up To 5, Add</i>			<i>33.46</i>	
34 71 13 13-0013	LF	12" Top, Single Slope Precast Concrete Barrier.....	115.24	
<i>For Up To 5, Add</i>			<i>41.09</i>	
34 71 13 13-0014	LF	Single Slope Half Section Precast Concrete Barrier.....	105.29	
<i>For Up To 5, Add</i>			<i>36.12</i>	
<i>For Up To 20, Add</i>			<i>9.92</i>	
34 71 13 13-0015	LF	Transition To Box Beam Guide Rail, Single Slope Half Section Precast Concrete Barrier.....	114.08	
<i>For Up To 5, Add</i>			<i>40.51</i>	

34 71 13 13-0016 Glare Screen ^(34 71 13 13)

Note: Includes fasteners to mount on median barrier.

34 71 13 13-0017	LF	Glare Screen.....	55.70	7.77
------------------	----	-------------------	-------	------

34 71 13 16 Vehicle Crash Barriers ^(34 71 13)

34 71 13 16-0001 Impact Barrier, Non-Redirective ^(34 71 13 16)

34 71 13 16-0002 Sand Barrel Impact Attenuator ^(34 71 13 16-0001)

Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003	EA	200, 400 Or 700 LB Sand Barrel.....	668.22	58.84
<small>Note: Includes containers, inserts, and lid.</small>				

34 71 13 26 Vehicle Guide Rails ^(34 71 13)

34 Transportation**34 70 Transportation Construction And Equipment****34 71 Roadway Construction**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

34 71 13 26-0001		Mobilize Guide Rail Crew (34 71 13 26)		
		Note: Excludes equipment mobilization.		
34 71 13 26-0002	EA	Mobilize Guide Rail Crew.....	1,470.25	
		Note: Excludes equipment mobilization.		
34 71 13 26-0003		Corrugated Beam Guide Rail (34 71 13 26)		
34 71 13 26-0004		Corrugated Beam Guide Railing (34 71 13 26-0003)		
34 71 13 26-0005		Corrugated Beam Guide Railing, Straight Sections (34 71 13 26-0004)		
		Note: Add additional length for back-up sections.		
34 71 13 26-0006	LF	Corrugated Beam Guide Railing	9.85	2.63
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic).....	10.42	2.63
34 71 13 26-0008		Corrugated Beam Guide Railing, Shop Curved (34 71 13 26-0004)		
		Note: Add additional length for back-up sections.		
34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing	12.07	2.63
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic).....	12.86	2.63
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End.....	26.98	2.63
		Note: Treatment for mall barriers driveways, walkways, special end, etc.		
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End.....	29.19	2.63
		Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.		
34 71 13 26-0013		Corrugated Beam Guide Railing, Manufactured End Sections (34 71 13 26-0003)		
34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit.....	88.84	34.65
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit.....	91.86	34.65
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section	107.00	34.65
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	110.03	34.65
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section	107.00	34.65
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic).....	110.03	34.65
34 71 13 26-0020		Corrugated Beam Guide Rail End Terminal Systems (34 71 13 26-0003)		
		Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.		
34 71 13 26-0021	EA	Regent Flared End Terminal Head With Bracket	2,027.55	215.14
34 71 13 26-0022	EA	Fleat Flared End Terminal Head With Bracket.....	1,724.82	215.14
34 71 13 26-0023	EA	SKT 350 Tangent End Terminal Head With Bracket.....	2,027.55	215.14
34 71 13 26-0024	EA	12'-6" Corrugated Beam Pre-drilled #1 Panel.....	362.27	101.42
34 71 13 26-0025		Corrugated Beam Guide Rail Posts (34 71 13 26-0003)		
		Note: Includes mounting hardware.		
34 71 13 26-0026	EA	Standard Post For Corrugated Beam Guide Rail.....	69.30	15.65
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	4.17	
34 71 13 26-0027	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail.....	72.32	15.65
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	4.17	
34 71 13 26-0028	EA	Extra Long Post for Corrugated Beam Guide Rail	75.35	15.65
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	4.17	
34 71 13 26-0029	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail	78.38	15.65
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	4.17	
34 71 13 26-0030	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	69.30	15.65
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	4.17	
34 71 13 26-0031	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post.....	93.52	15.65
		For Installation In Rock, Add	4.17	
34 71 13 26-0032		Heavy Post Blocked Out Corrugated Beam Guide Rail Posts (34 71 13 26-0003)		
		Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0033	EA	Standard Post For heavy post blocked out corrugated beam guide rail.....	69.30	15.65
34 71 13 26-0034	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	72.32	15.65
34 71 13 26-0035	EA	Extra Long Post For heavy post blocked out corrugated beam guide rail	75.35	15.65
34 71 13 26-0036	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail	78.38	15.65
		Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-0037	EA	Type A Post 1630mm Post	67.78	15.65
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0038	EA	Type A Post 1630mm Post (Rustic).....	70.81	15.65
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0039	EA	Type B Post 1460mm	64.76	15.65
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0040	EA	Type B Post 1460mm (Rustic)	67.78	15.65
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0041	EA	Type C Post 1290mm	61.73	15.65
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0042	EA	Type C Post 1290mm (Rustic).....	64.76	15.65
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0043	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube	221.15	15.65
34 71 13 26-0044	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam.....	36.00	15.65
		Note: For heavy post blocked out corrugated beam guide rail.		

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

34 71 13 26-0045		Corrugated Beam Guide Rail Accessories (34 71 13 26-0003)		
34 71 13 26-0046	EA	Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C.....	82.78	39.38
34 71 13 26-0047		Corrugated Beam Guide Rail Repair for Existing Guide Rail (34 71 13 26-0003)		
		Note: Includes associated hardware.		
34 71 13 26-0048	LF	Removal And Storage Of Corrugated Beam Guide Railing And Post.....	15.39	
34 71 13 26-0049	EA	Install Stored Post For Corrugated Beam Guide Rail	52.51	
34 71 13 26-0050	LF	Install Stored Corrugated Beam Guide Railing And Post.....	8.93	
34 71 13 26-0051		Corrugated Thrie Beam Guide Railing (34 71 13 26-0003)		
34 71 13 26-0052		Corrugated Thrie Beam Guide Railing. Straight Sections (34 71 13 26-0051)		
		Note: Add additional length for back-up sections.		
34 71 13 26-0053	LF	Corrugated Thrie Beam Guide Railing.....	19.87	3.31
34 71 13 26-0054	LF	Corrugated Thrie Beam Guide Railing (Rustic).....	20.79	3.31
34 71 13 26-0055		Corrugated Thrie Beam Guide Railing. Shop Curved (34 71 13 26-0051)		
		Note: Add additional length for back-up sections.		
34 71 13 26-0056	LF	Shop Curved Corrugated Thrie Beam Guide Railing	23.56	3.31
34 71 13 26-0057	LF	Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	24.48	3.31
34 71 13 26-0058		Corrugated Thrie Beam Guide Rail Posts (34 71 13 26-0051)		
		Note: Includes hardware for mounting.		
34 71 13 26-0059	EA	Standard Post For Corrugated Thrie Beam Guide Rail.....	71.01	3.31
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For 32" Soil Plate, Add</i>	7.00	
34 71 13 26-0060	EA	Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	74.04	3.31
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For 32" Soil Plate, Add</i>	7.00	
34 71 13 26-0061		6" x 6" Box Beam Guide Rail (34 71 13 26)		
34 71 13 26-0062		Box Beam Guide Rail, 6" x 6" (34 71 13 26-0061)		
34 71 13 26-0063		Straight Sections, Box Beam Guide Rail (34 71 13 26-0062)		
34 71 13 26-0064	LF	Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	23.33	3.31
		Note: Excludes splices.		
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0065	LF	Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	26.09	3.31
		Note: Excludes splices.		
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0066	LF	Box Beam Guide Railing 8" x 6" x 3/16" Galvanized.....	27.11	3.31
		Note: Excludes splices		
34 71 13 26-0067		Shop Curved, Box Beam Guide Rail (34 71 13 26-0062)		
34 71 13 26-0068	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	33.94	3.31
		Note: Excludes splices.		
		<i>For Shop Curved At <20' Radius, Add</i>	2.44	
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0069	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	36.71	3.31
		Note: Excludes splices.		
		<i>For Shop Curved At <20' Radius, Add</i>	2.44	
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0070	LF	Shop Curved Box Beam Guide Railing 8" x 6" x 3/16" Galvanized.....	39.83	3.31
		Note: Excludes splices.		
34 71 13 26-0071		Box Beam Guide Rail End Treatment Sections (34 71 13 26-0061)		
		Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0072	EA	Box Beam End Piece Guide Railing Section.....	355.24	39.38
		Note: Galvanized excludes splices.		
34 71 13 26-0073	EA	Box Beam End Piece Guide Railing Section (Rustic).....	388.54	39.38
		Note: Excludes splices.		
34 71 13 26-0074	EA	Box Beam Guide Railing End Treatment Section At Driveway, Galvanized	337.08	39.38
		Note: Excludes splices.		
34 71 13 26-0075	EA	Box Beam Guide Railing End Treatment Section At Driveway, (Rustic).....	349.19	39.38
		Note: Excludes splices.		
34 71 13 26-0076	EA	Type III, Box Beam Guiderail End Section Assembly	10,211.21	1,050.18
		Note: Includes all components for the first 14'. Includes energy absorbing terminal, bearing plate, steel breakaway post upper and lower assembly, interior sleeve, box beam, post breaker, cable assembly, end tube rail, end tube tie plate, post 1 and post 2.		
34 71 13 26-0077		Splices For Box Beam Guide Rail (34 71 13 26-0061)		
34 71 13 26-0078	EA	Splice For Box Beam Guide Rail	162.33	58.46
34 71 13 26-0079	EA	Splice For Box Beam Guide Rail (Rustic)	183.52	58.46

34 Transportation**34 70 Transportation Construction And Equipment****34 71 Roadway Construction**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
34 71 13 26-0080		Box Beam Guide Rail Posts (34 71 13 26-0061) Note: Includes hardware for box beam mounting.		
34 71 13 26-0081	EA	Standard Post For Box Beam Guide Rail.....	117.97	52.15
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	13.91	
34 71 13 26-0082	EA	Standard Post (Rustic) for Box Beam Guide Railing.....	120.99	52.15
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	13.91	
34 71 13 26-0083	EA	Extra Long Post For Box Beam Guide Rail.....	124.02	52.15
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	13.91	
34 71 13 26-0084	EA	Extra Long Post (Rustic) For Box Beam Guide Rail.....	127.05	52.15
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	13.91	
34 71 13 26-0085	EA	Type I End Assembly Post.....	114.94	52.15
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	13.91	
34 71 13 26-0086	EA	Type I End Assembly Post (Rustic).....	117.97	52.15
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	13.91	
34 71 13 26-0087	EA	Type II End Assembly Post.....	111.91	52.15
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	13.91	
34 71 13 26-0088	EA	Type II End Assembly Post (Rustic).....	114.94	52.15
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	13.91	
34 71 13 26-0089		Box Beam Guide Rail Accessories (34 71 13 26-0061)		
34 71 13 26-0090	EA	Box Beam Guide Rail End Cover Plate.....	52.09	11.81
34 71 13 26-0091	EA	Box Beam Guide Rail End Cover Plate (Rustic)	55.11	11.81
34 71 13 26-0092		Box Beam Guide Railing Repair, And Resetting (34 71 13 26-0061) Note: For existing guide rail.		
34 71 13 26-0093	LF	Removal And Storage Of Box Beam Guide Rail And Post	5.19	
34 71 13 26-0094	LF	Reset Box Beam Guide Rail	15.14	
34 71 13 26-0095		6" x 8" Box Beam Median Barrier (34 71 13 26)		
34 71 13 26-0096		Box Beam Median Barrier, 6" x 8" (34 71 13 26-0095)		
34 71 13 26-0097		Straight Sections, Box Beam Median Barrier (34 71 13 26-0096)		
34 71 13 26-0098	LF	Box Beam Median Barrier Galvanized Excludes Splices.....	44.83	11.81
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0099	LF	Box Beam Median Barrier (Rustic) Excludes Splices.....	47.59	11.81
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0100		Shop Curved, Box Beam Median Barrier (34 71 13 26-0096)		
34 71 13 26-0101	LF	Shop Curved Box Beam Median Barrier Galvanized.....	52.10	11.81
		Note: Excludes splices.		
		<i>For Shop Curved At <20' Radius, Add</i>	2.44	
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0102	LF	Shop Curved Box Beam Median Barrier Rustic.....	61.19	11.81
		Note: Excludes splices.		
		<i>For Shop Curved At <20' Radius, Add</i>	2.44	
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0103		Box Beam Median Barrier End Treatment Sections (34 71 13 26-0095) Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0104	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized	1,078.76	39.38
		Note: Excludes splices and post.		
34 71 13 26-0105	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic).....	1,102.98	39.38
		Note: Excludes splices and post.		
34 71 13 26-0106	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized	1,078.76	39.38
		Note: Excludes splices and post.		
34 71 13 26-0107	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic).....	1,102.98	39.38
		Note: Excludes splices and post.		
34 71 13 26-0108		Splices For Box Beam Median Barrier (34 71 13 26-0095)		
34 71 13 26-0109	EA	Splice for Box Beam Median Barrier.....	108.61	31.50
34 71 13 26-0110	EA	Splice for Box Beam Median Barrier (Rustic).....	154.02	31.50
34 71 13 26-0111		Box Beam Median Barrier Posts Driven With Soil Plate (34 71 13 26-0095) Note: Includes all associated hardware.		
34 71 13 26-0112	EA	Standard Post for Box Beam Median Barrier	117.97	52.15
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	13.91	
34 71 13 26-0113	EA	Standard Post (Rustic) for Box Beam Median Barrier.....	120.99	52.15
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	13.91	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	34 71	13 26-0114	EA	Extra Long Post for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	124.02 -5.00 13.91	52.15
	34 71	13 26-0115	EA	Extra Long Post (Rustic) for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	127.05 -5.00 13.91	52.15
	34 71	13 26-0116	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam Note: For median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	111.91 -5.00 13.91	52.15
	34 71	13 26-0117	EA	Type B End Treatment or Rub Back Anchor Post (Rustic) Note: For box beam median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	111.91 -5.00 13.91	52.15
	34 71	13 26-0118	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete Note: For median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	124.02 -5.00 13.91	52.15
	34 71	13 26-0119	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier Note: For Concrete median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	127.05 -5.00 13.91	52.15
	34 71	13 26-0120		Box Beam Median Barrier Accessories (34 71 13 26-0095)		
	34 71	13 26-0121	EA	Box Beam Median Barrier End Cover Plate.....	79.85	27.72
	34 71	13 26-0122	EA	Box Beam Median Barrier End Cover Plate (Rustic)	82.88	27.72
	34 71	13 26-0123		Box Beam Median Barrier Repair, And Resetting (34 71 13 26-0095) Note: For existing guide rail.		
	34 71	13 26-0124	LF	Remove and Store Box Beam Median Barrier and Posts	5.37	
	34 71	13 26-0125	LF	Reset Box Beam Median Barrier	15.85	
	34 71	13 26-0126		Universal Guide Rail Items (34 71 13 26)		
	34 71	13 26-0127		Guide Rail Concrete Anchor Units For All Types Of Guide Rail (34 71 13 26-0126) Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
	34 71	13 26-0128	CY	Guide Rail Concrete Anchor Unit..... <i>For Each Additional Set Of Anchor Rods, Add</i>	791.68 38.00	
	34 71	13 26-0129	EA	Reset Existing Anchorage Unit for All Types of Guide Rail..... Note: Includes excavation and backfill.	602.21	
	34 71	13 26-0130	EA	Removal Of Guide Rail Concrete Anchor Unit.....	571.93	
	34 71	13 26-0131		Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0126) Note: All tasks include associated hardware.		
	34 71	13 26-0132	EA	Straighten And Reset Driven Post For Guide Rail	69.53	
	34 71	13 26-0133	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail	73.89	
				Note: With base plate for guide rail. Includes new anchor bolts.		
	34 71	13 26-0134		Additional Wood and Steel Posts (34 71 13 26-0126)		
	34 71	13 26-0135	LF	4" x 6" Wood Post..... <i>For Installation In Rock, Add</i>	37.61 4.65	17.41
	34 71	13 26-0136	LF	6" x 8" Wood Post..... <i>For Installation In Rock, Add</i>	42.15 4.65	17.41
	34 71	13 26-0137	LF	6" x 7/8" Steel Post Galvanized	31.81	17.41
	34 71	13 26-0138	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete.....	227.47	17.41
	34 71	13 26-0139		Accessories For All Types of Guide Rail (34 71 13 26-0126)		
	34 71	13 26-0140	EA	Reflector, Guard Rail	22.57	
	34 71	13 26-0141		Guide Rail Transitions (34 71 13 26)		
	34 71	13 26-0142		Transition Box Beam Guide Rail To Corrugated Beam (34 71 13 26-0141) Note: Use cable guide rail section for cable, anchor angle and cable end assembly.		
	34 71	13 26-0143	EA	Box Beam To Corrugated Beam Rail Bolted Section.....	532.40	
	34 71	13 26-0144	EA	Box Beam To Corrugated Beam Rail Bolted Plate	411.31	
				Note: For making cable connections.		
	34 71	13 26-0145		Transition Box Beam Median Barrier To Corrugated Beam Median (34 71 13 26-0141) Note: Use cable guide rail section for anchor angle and cable end assembly.		
	34 71	13 26-0146	EA	Box Beam Median Barrier To Corrugated Beam Bolted Section	538.45	
	34 71	13 26-0147	EA	Box Beam Median Barrier To Corrugated Beam Harness Plate	411.31	
				Note: For making cable connections.		
	34 71	13 26-0148		Transition Box Beam Guide Rail To Cable Guide Rail (34 71 13 26-0141) Note: Use cable guide rail section for cable, anchor angle and end connections at anchor unit.		

34 Transportation**34 70 Transportation Construction And Equipment****34 71 Roadway Construction**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
34 71 13 26-0149	EA	Box Beam to Cable Guide Rail U-bolt And Plate		65.35	21.01
34 71 13 26-0150		Transition Box Beam Median Barrier To Concrete Median Barrier (34 71 13 26-0141)			
Note: For end treatment sections for rub rail turnback, use box beam guide rail end treatments.					
34 71 13 26-0151	EA	Box Beam Median Barrier To Concrete Barrier End Connection		653.49	
34 71 13 26-0152		Transition Thrie Beam To Concrete Median Barrier (34 71 13 26-0141)			
34 71 13 26-0153	EA	Thrie Beam Terminal Connector At Concrete Median Barrier		502.12	
34 71 13 26-0154	EA	Thrie Beam Transition Section To Corrugated Beam Guide Rail		577.81	
34 71 13 26-0155		Cable Guide Rail (34 71 13 26)			
34 71 13 26-0156		Cable Guide Rail (34 71 13 26-0155)			
34 71 13 26-0157	LF	Cable (Each Cable)..... Note: Includes tensioning. Excludes splices.		6.36	2.83
34 71 13 26-0158	EA	Cable Splice With Wedges		117.07	19.69
34 71 13 26-0159		Cable Guide Rail Posts (34 71 13 26-0155)			
Note: Includes hardware for cable mounting.					
34 71 13 26-0160	EA	Standard Post for Cable Guide Rail		114.94	52.15
For Installation Without Soil Plate, Deduct				-5.00	
For Installation In Rock, Add				13.91	
34 71 13 26-0161	EA	Standard Post (Rustic) for Cable Guide Rail		117.97	52.15
For Installation Without Soil Plate, Deduct				-5.00	
For Installation In Rock, Add				13.91	
34 71 13 26-0162	EA	Extra Long Post for Cable Guide Rail		117.97	52.15
For Installation Without Soil Plate, Deduct				-5.00	
For Installation In Rock, Add				13.91	
34 71 13 26-0163	EA	Extra Long Post (Rustic) for Cable Guide Rail		120.99	52.15
For Installation Without Soil Plate, Deduct				-5.00	
For Installation In Rock, Add				13.91	
34 71 13 26-0164	EA	Slip Impact Post Top for Anchor Unit		64.14	20.86
34 71 13 26-0165	EA	Slip Impact Post Base and Keeper Plate		139.82	20.86
Note: For anchor unit.					
34 71 13 26-0166		Cable Guide Rail Accessories For Breakaway Anchor Angle Systems (34 71 13 26-0155)			
34 71 13 26-0167	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors		453.69	263.07
34 71 13 26-0168	EA	Turnbuckle Cable End Assembly		78.09	13.15
34 71 13 26-0169	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors		220.62	6.54
34 71 13 26-0170	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle		226.68	6.54
34 71 13 26-0171	EA	Breakaway Anchor Angle		96.25	13.15
34 71 13 26-0172	EA	Standard End Post Cap Assembly		45.04	6.54
34 71 13 26-0173	EA	Driveway End Post Cap Assembly		38.98	6.54
34 71 13 26-0174	EA	End Post Ground Support Plates		23.85	6.54
34 71 13 26-0175	EA	11" Stud Bolt, Cable Guide Rail		21.58	6.54
34 71 13 26-0176	EA	18" Stud Bolt, Cable Guide Rail		24.60	6.54
34 71 13 26-0177	EA	25" Stud Bolt, Cable Guide Rail		27.63	6.54
34 71 13 26-0178	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail		199.18	13.15
34 71 13 26-0179	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail		211.29	13.15
34 71 13 26-0180	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail		144.69	13.15
34 71 13 26-0181	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail		87.42	6.54
34 71 13 26-0182	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail		96.25	13.15
34 71 13 26-0183	EA	1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail		107.99	19.69
34 71 13 26-0184		Cable Guide Rail Accessories For Slip Impact Post Systems (34 71 13 26-0155)			
34 71 13 26-0185	EA	Turnbuckle Cable End Assembly		165.51	17.41
Note: For use with slip impact post.					
34 71 13 26-0186	EA	Spring Cable End Assembly (Compensating Device)		310.82	17.41
Note: For use with slip impact post.					
34 71 13 26-0187	EA	Anchor Angle For Slip Impact Post System		101.94	17.41
34 71 13 26-0188	EA	Cable End Assembly Rod		86.80	17.41
Note: Includes cable end, threaded rod and keeper to anchor angle.					
34 71 13 26-0189		Cable Guide Rail Repair For Existing Guide Rail (34 71 13 26-0155)			
Note: All tasks include associated hardware.					
34 71 13 26-0190	LF	Retention Existing Cable (Each Cable)		1.75	
34 71 13 26-0191	LF	Removal And Storage Of Cable Guide Railing		10.58	
34 71 13 26-0192	EA	Install Stored Post For Cable Guide Railing		69.53	
34 71 13 26-0193	LF	Install Stored Cable, (Each Cable)		4.68	
Note: Includes retensioning. Excludes splices.					
34 71 13 26-0194		Timber Guide Rails (34 71 13 26)			
Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.					
34 71 13 26-0195		Timber Guide Rail Posts (34 71 13 26-0194)			
34 71 13 26-0196	EA	6" x 8" Timber Guide Rail Post		76.44	13.13
34 71 13 26-0197	EA	6" x 9" Timber Guide Rail Post		85.52	13.13
34 71 13 26-0198	EA	10" x 10" Timber Guide Rail Post		156.70	13.13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0199 EA 10" x 12" Timber Guide Rail Post	165.18	13.13
34 71 13 26-0200 EA 12" x 12" Timber Guide Rail Post	189.38	13.13
34 71 13 26-0201 Timber Guide Rails <small>(34 71 13 26-0194)</small>		
<small>Note: Excludes posts, spacer blocks and steel backup plates.</small>		
34 71 13 26-0202 LF 4" x 8" Timber Guide Rail.....	8.74	1.58
34 71 13 26-0203 LF 4" x 9" Timber Guide Rail.....	9.44	1.58
34 71 13 26-0204 LF 6" x 10" Timber Guide Rail.....	12.71	1.58
34 71 13 26-0205 LF 6" x 12" Timber Guide Rail.....	14.62	1.58
34 71 13 26-0206 Spacer Blocks For Timber Guide Rails <small>(34 71 13 26-0194)</small>		
34 71 13 26-0207 EA 4" x 9" Spacer Block For Timber Guide Rails	12.33	2.10
34 71 13 26-0208 EA 6" x 8" Spacer Block For Timber Guide Rails	13.90	2.10
34 71 13 26-0209 EA 8" x 8" Spacer Block For Timber Guide Rails	15.90	2.10
34 71 13 26-0210 Weathering Steel Backup Plates For Timber Guide Rails <small>(34 71 13 26-0194)</small>		
34 71 13 26-0211 LF 6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	15.72	1.31
34 71 13 26-0212 Weathering Steel Splice And Bearing Plates For Timber Guide Rails <small>(34 71 13 26-0194)</small>		
34 71 13 26-0213 EA Weathering Steel Splice Plate For Timber Guide Rails	117.66	18.38
34 71 13 26-0214 EA Weathering Steel Bearing Termination Plate For Timber Guide Rails.....	75.23	13.13
34 71 13 26-0215 Individual Concrete Posts <small>(34 71 13 26)</small>		
34 71 13 26-0216 EA 6'-5" Concrete Posts, Round.....	82.29	8.18
34 71 13 26-0217 EA 6'-5" Concrete Posts, Square.....	92.20	9.21
34 71 13 26-0218 EA 6'-5" Concrete Posts, Triangular.....	90.06	9.21

END OF SECTION 34

34 Transportation

34 70 Transportation Construction And Equipment

34 71 Roadway Construction

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

MINOR	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

40 Process Interconnections

40 05 Common Work Results For Process Interconnections (40)

40 05 19 Ductile Iron Process Pipe (40 05)

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping (40 05 19)

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4062 for bolts, 40 05 19 00-4077 for gaskets.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0001)

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	529.92	221.44
	For Class 52 Rating, Deduct	-21.38	
	For Class 54 Rating, Add	14.58	
	For Class 55 Rating, Add	32.41	
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	556.59	225.32
	For Class 52 Rating, Deduct	-23.67	
	For Class 54 Rating, Add	16.14	
	For Class 55 Rating, Add	35.87	
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	583.25	229.19
	For Class 52 Rating, Deduct	-25.96	
	For Class 54 Rating, Add	17.70	
	For Class 55 Rating, Add	39.34	
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	609.92	233.06
	For Class 52 Rating, Deduct	-28.25	
	For Class 54 Rating, Add	19.26	
	For Class 55 Rating, Add	42.81	
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	636.59	236.93
	For Class 52 Rating, Deduct	-30.54	
	For Class 54 Rating, Add	20.82	
	For Class 55 Rating, Add	46.28	
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	663.25	240.81
	For Class 52 Rating, Deduct	-32.82	
	For Class 54 Rating, Add	22.38	
	For Class 55 Rating, Add	49.74	
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	689.92	244.68
	For Class 52 Rating, Deduct	-35.11	
	For Class 54 Rating, Add	23.94	
	For Class 55 Rating, Add	53.21	
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	716.58	248.55
	For Class 52 Rating, Deduct	-37.40	
	For Class 54 Rating, Add	25.50	
	For Class 55 Rating, Add	56.68	
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	743.25	252.41
	For Class 52 Rating, Deduct	-39.69	
	For Class 54 Rating, Add	27.06	
	For Class 55 Rating, Add	60.15	
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	769.91	256.29
	For Class 52 Rating, Deduct	-41.98	
	For Class 54 Rating, Add	28.62	
	For Class 55 Rating, Add	63.61	
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	796.58	260.16
	For Class 52 Rating, Deduct	-44.26	
	For Class 54 Rating, Add	30.18	
	For Class 55 Rating, Add	67.08	
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	823.25	264.03
	For Class 52 Rating, Deduct	-46.55	
	For Class 54 Rating, Add	31.74	
	For Class 55 Rating, Add	70.55	
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	849.91	267.90
	For Class 52 Rating, Deduct	-48.84	
	For Class 54 Rating, Add	33.30	
	For Class 55 Rating, Add	74.01	
40 05 19 00-0017	EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	876.58	271.78
	For Class 52 Rating, Deduct	-51.13	
	For Class 54 Rating, Add	34.86	
	For Class 55 Rating, Add	77.48	
40 05 19 00-0018	EA 4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	903.24	275.65
	For Class 52 Rating, Deduct	-53.42	
	For Class 54 Rating, Add	36.42	
	For Class 55 Rating, Add	80.95	
40 05 19 00-0019	EA 4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	929.91	279.52
	For Class 52 Rating, Deduct	-55.70	
	For Class 54 Rating, Add	37.98	
	For Class 55 Rating, Add	84.42	
40 05 19 00-0020	EA 4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	956.57	283.39
	For Class 52 Rating, Deduct	-57.99	
	For Class 54 Rating, Add	39.54	
	For Class 55 Rating, Add	87.88	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0021	EA		4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	983.24	287.27
			For Class 52 Rating, Deduct	-60.28	
			For Class 54 Rating, Add	41.10	
			For Class 55 Rating, Add	91.35	
40 05 19 00-0022	EA		4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,009.91	291.13
			For Class 52 Rating, Deduct	-62.57	
			For Class 54 Rating, Add	42.66	
			For Class 55 Rating, Add	94.82	
40 05 19 00-0023	EA		4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,036.57	295.00
			For Class 52 Rating, Deduct	-64.86	
			For Class 54 Rating, Add	44.22	
			For Class 55 Rating, Add	98.29	
40 05 19 00-0024	EA		4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,063.24	298.87
			For Class 52 Rating, Deduct	-67.14	
			For Class 54 Rating, Add	45.78	
			For Class 55 Rating, Add	101.75	
40 05 19 00-0025	EA		4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,089.90	302.75
			For Class 52 Rating, Deduct	-69.43	
			For Class 54 Rating, Add	47.34	
			For Class 55 Rating, Add	105.22	
40 05 19 00-0026	EA		4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,116.57	306.62
			For Class 52 Rating, Deduct	-71.72	
			For Class 54 Rating, Add	48.90	
			For Class 55 Rating, Add	108.69	
40 05 19 00-0027	EA		4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,143.24	310.49
			For Class 52 Rating, Deduct	-74.01	
			For Class 54 Rating, Add	50.46	
			For Class 55 Rating, Add	112.16	
40 05 19 00-0028	EA		4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,169.90	314.36
			For Class 52 Rating, Deduct	-76.30	
			For Class 54 Rating, Add	52.02	
			For Class 55 Rating, Add	115.62	
40 05 19 00-0029	EA		4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,196.57	318.23
			For Class 52 Rating, Deduct	-78.58	
			For Class 54 Rating, Add	53.58	
			For Class 55 Rating, Add	119.09	
40 05 19 00-0030	EA		4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,223.23	322.11
			For Class 52 Rating, Deduct	-80.87	
			For Class 54 Rating, Add	55.14	
			For Class 55 Rating, Add	122.56	
40 05 19 00-0031	EA		4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,249.90	325.98
			For Class 52 Rating, Deduct	-83.16	
			For Class 54 Rating, Add	56.70	
			For Class 55 Rating, Add	126.03	
40 05 19 00-0032	EA		4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,276.56	329.84
			For Class 52 Rating, Deduct	-85.45	
			For Class 54 Rating, Add	58.26	
			For Class 55 Rating, Add	129.49	
40 05 19 00-0033	EA		4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,303.23	333.71
			For Class 52 Rating, Deduct	-87.74	
			For Class 54 Rating, Add	59.82	
			For Class 55 Rating, Add	132.96	
40 05 19 00-0034	EA		4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,329.90	337.59
			For Class 52 Rating, Deduct	-90.02	
			For Class 54 Rating, Add	61.38	
			For Class 55 Rating, Add	136.43	
40 05 19 00-0035	EA		4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,356.56	341.46
			For Class 52 Rating, Deduct	-92.31	
			For Class 54 Rating, Add	62.94	
			For Class 55 Rating, Add	139.89	
40 05 19 00-0036	EA		4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,383.23	345.33
			For Class 52 Rating, Deduct	-94.60	
			For Class 54 Rating, Add	64.50	
			For Class 55 Rating, Add	143.36	
40 05 19 00-0037	EA		4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,409.89	349.20
			For Class 52 Rating, Deduct	-96.89	
			For Class 54 Rating, Add	66.06	
			For Class 55 Rating, Add	146.83	
40 05 19 00-0038	EA		4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,436.56	353.08
			For Class 52 Rating, Deduct	-99.18	
			For Class 54 Rating, Add	67.62	
			For Class 55 Rating, Add	150.30	
40 05 19 00-0039	EA		4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,463.22	356.95
			For Class 52 Rating, Deduct	-101.46	
			For Class 54 Rating, Add	69.18	
			For Class 55 Rating, Add	153.76	
40 05 19 00-0040	EA		4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,489.89	360.82
			For Class 52 Rating, Deduct	-103.75	
			For Class 54 Rating, Add	70.74	
			For Class 55 Rating, Add	157.23	
40 05 19 00-0041	EA		4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,516.56	364.69
			For Class 52 Rating, Deduct	-106.04	
			For Class 54 Rating, Add	72.30	
			For Class 55 Rating, Add	160.70	
40 05 19 00-0042	EA		4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,543.22	368.56
			For Class 52 Rating, Deduct	-108.33	
			For Class 54 Rating, Add	73.86	
			For Class 55 Rating, Add	164.17	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

40 05 19 00-0043	6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0044	EA 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	669.53	278.75
	For Class 52 Rating, Deduct	-27.19	
	For Class 54 Rating, Add	18.54	
	For Class 55 Rating, Add	41.21	
40 05 19 00-0045	EA 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	701.00	282.62
	For Class 52 Rating, Deduct	-30.01	
	For Class 54 Rating, Add	20.46	
	For Class 55 Rating, Add	45.48	
40 05 19 00-0046	EA 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	732.47	286.49
	For Class 52 Rating, Deduct	-32.82	
	For Class 54 Rating, Add	22.38	
	For Class 55 Rating, Add	49.74	
40 05 19 00-0047	EA 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	763.93	290.35
	For Class 52 Rating, Deduct	-35.64	
	For Class 54 Rating, Add	24.30	
	For Class 55 Rating, Add	54.01	
40 05 19 00-0048	EA 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	795.40	294.23
	For Class 52 Rating, Deduct	-38.46	
	For Class 54 Rating, Add	26.22	
	For Class 55 Rating, Add	58.28	
40 05 19 00-0049	EA 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	826.86	298.10
	For Class 52 Rating, Deduct	-41.27	
	For Class 54 Rating, Add	28.14	
	For Class 55 Rating, Add	62.55	
40 05 19 00-0050	EA 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	858.34	301.97
	For Class 52 Rating, Deduct	-44.09	
	For Class 54 Rating, Add	30.06	
	For Class 55 Rating, Add	66.81	
40 05 19 00-0051	EA 6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	889.80	305.84
	For Class 52 Rating, Deduct	-46.90	
	For Class 54 Rating, Add	31.98	
	For Class 55 Rating, Add	71.08	
40 05 19 00-0052	EA 6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	921.27	309.72
	For Class 52 Rating, Deduct	-49.72	
	For Class 54 Rating, Add	33.90	
	For Class 55 Rating, Add	75.35	
40 05 19 00-0053	EA 6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	952.74	313.59
	For Class 52 Rating, Deduct	-52.54	
	For Class 54 Rating, Add	35.82	
	For Class 55 Rating, Add	79.62	
40 05 19 00-0054	EA 6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	984.20	317.46
	For Class 52 Rating, Deduct	-55.35	
	For Class 54 Rating, Add	37.74	
	For Class 55 Rating, Add	83.88	
40 05 19 00-0055	EA 6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,015.67	321.33
	For Class 52 Rating, Deduct	-58.17	
	For Class 54 Rating, Add	39.66	
	For Class 55 Rating, Add	88.15	
40 05 19 00-0056	EA 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,047.13	325.21
	For Class 52 Rating, Deduct	-60.98	
	For Class 54 Rating, Add	41.58	
	For Class 55 Rating, Add	92.42	
40 05 19 00-0057	EA 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,078.60	329.07
	For Class 52 Rating, Deduct	-63.80	
	For Class 54 Rating, Add	43.50	
	For Class 55 Rating, Add	96.69	
40 05 19 00-0058	EA 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,110.06	332.94
	For Class 52 Rating, Deduct	-66.62	
	For Class 54 Rating, Add	45.42	
	For Class 55 Rating, Add	100.95	
40 05 19 00-0059	EA 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,141.53	336.81
	For Class 52 Rating, Deduct	-69.43	
	For Class 54 Rating, Add	47.34	
	For Class 55 Rating, Add	105.22	
40 05 19 00-0060	EA 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,173.00	340.69
	For Class 52 Rating, Deduct	-72.25	
	For Class 54 Rating, Add	49.26	
	For Class 55 Rating, Add	109.49	
40 05 19 00-0061	EA 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,204.46	344.56
	For Class 52 Rating, Deduct	-75.06	
	For Class 54 Rating, Add	51.18	
	For Class 55 Rating, Add	113.76	
40 05 19 00-0062	EA 6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,235.93	348.43
	For Class 52 Rating, Deduct	-77.88	
	For Class 54 Rating, Add	53.10	
	For Class 55 Rating, Add	118.02	
40 05 19 00-0063	EA 6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,267.39	352.30
	For Class 52 Rating, Deduct	-80.70	
	For Class 54 Rating, Add	55.02	
	For Class 55 Rating, Add	122.29	
40 05 19 00-0064	EA 6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,298.86	356.17
	For Class 52 Rating, Deduct	-83.51	
	For Class 54 Rating, Add	56.94	
	For Class 55 Rating, Add	126.56	
40 05 19 00-0065	EA 6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,330.32	360.05
	For Class 52 Rating, Deduct	-86.33	
	For Class 54 Rating, Add	58.86	
	For Class 55 Rating, Add	130.83	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0066	EA 6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,361.79	363.92
	For Class 52 Rating, Deduct	-89.14	
	For Class 54 Rating, Add	60.78	
	For Class 55 Rating, Add	135.09	
40 05 19 00-0067	EA 6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,393.26	367.78
	For Class 52 Rating, Deduct	-91.96	
	For Class 54 Rating, Add	62.70	
	For Class 55 Rating, Add	139.36	
40 05 19 00-0068	EA 6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,424.72	371.65
	For Class 52 Rating, Deduct	-94.78	
	For Class 54 Rating, Add	64.62	
	For Class 55 Rating, Add	143.63	
40 05 19 00-0069	EA 6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,456.19	375.53
	For Class 52 Rating, Deduct	-97.59	
	For Class 54 Rating, Add	66.54	
	For Class 55 Rating, Add	147.90	
40 05 19 00-0070	EA 6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,487.65	379.40
	For Class 52 Rating, Deduct	-100.41	
	For Class 54 Rating, Add	68.46	
	For Class 55 Rating, Add	152.16	
40 05 19 00-0071	EA 6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,519.12	383.27
	For Class 52 Rating, Deduct	-103.22	
	For Class 54 Rating, Add	70.38	
	For Class 55 Rating, Add	156.43	
40 05 19 00-0072	EA 6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,550.59	387.14
	For Class 52 Rating, Deduct	-106.04	
	For Class 54 Rating, Add	72.30	
	For Class 55 Rating, Add	160.70	
40 05 19 00-0073	EA 6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,582.05	391.02
	For Class 52 Rating, Deduct	-108.86	
	For Class 54 Rating, Add	74.22	
	For Class 55 Rating, Add	164.97	
40 05 19 00-0074	EA 6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,613.52	394.89
	For Class 52 Rating, Deduct	-111.67	
	For Class 54 Rating, Add	76.14	
	For Class 55 Rating, Add	169.23	
40 05 19 00-0075	EA 6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,644.98	398.76
	For Class 52 Rating, Deduct	-114.49	
	For Class 54 Rating, Add	78.06	
	For Class 55 Rating, Add	173.50	
40 05 19 00-0076	EA 6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,676.45	402.63
	For Class 52 Rating, Deduct	-117.30	
	For Class 54 Rating, Add	79.98	
	For Class 55 Rating, Add	177.77	
40 05 19 00-0077	EA 6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,707.91	406.50
	For Class 52 Rating, Deduct	-120.12	
	For Class 54 Rating, Add	81.90	
	For Class 55 Rating, Add	182.04	
40 05 19 00-0078	EA 6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,739.38	410.37
	For Class 52 Rating, Deduct	-122.94	
	For Class 54 Rating, Add	83.82	
	For Class 55 Rating, Add	186.30	
40 05 19 00-0079	EA 6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,770.85	414.24
	For Class 52 Rating, Deduct	-125.75	
	For Class 54 Rating, Add	85.74	
	For Class 55 Rating, Add	190.57	
40 05 19 00-0080	EA 6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,802.31	418.11
	For Class 52 Rating, Deduct	-128.57	
	For Class 54 Rating, Add	87.66	
	For Class 55 Rating, Add	194.84	
40 05 19 00-0081	EA 6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,833.78	421.99
	For Class 52 Rating, Deduct	-131.38	
	For Class 54 Rating, Add	89.58	
	For Class 55 Rating, Add	199.11	
40 05 19 00-0082	EA 6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,865.24	425.86
	For Class 52 Rating, Deduct	-134.20	
	For Class 54 Rating, Add	91.50	
	For Class 55 Rating, Add	203.37	

40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0084	EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	903.66	356.17
	For Class 52 Rating, Deduct	-40.04	
	For Class 54 Rating, Add	27.30	
	For Class 55 Rating, Add	60.68	
40 05 19 00-0085	EA 8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	944.72	360.05
	For Class 52 Rating, Deduct	-43.91	
	For Class 54 Rating, Add	29.94	
	For Class 55 Rating, Add	66.55	
40 05 19 00-0086	EA 8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	985.79	363.92
	For Class 52 Rating, Deduct	-47.78	
	For Class 54 Rating, Add	32.58	
	For Class 55 Rating, Add	72.41	
40 05 19 00-0087	EA 8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,026.86	367.78
	For Class 52 Rating, Deduct	-51.66	
	For Class 54 Rating, Add	35.22	
	For Class 55 Rating, Add	78.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0088	EA		8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,067.92	371.65
			For Class 52 Rating, Deduct	-55.53	
			For Class 54 Rating, Add	37.86	
			For Class 55 Rating, Add	84.15	
40 05 19 00-0089	EA		8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,108.99	375.53
			For Class 52 Rating, Deduct	-59.40	
			For Class 54 Rating, Add	40.50	
			For Class 55 Rating, Add	90.02	
40 05 19 00-0090	EA		8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,150.05	379.40
			For Class 52 Rating, Deduct	-63.27	
			For Class 54 Rating, Add	43.14	
			For Class 55 Rating, Add	95.89	
40 05 19 00-0091	EA		8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,191.12	383.27
			For Class 52 Rating, Deduct	-67.14	
			For Class 54 Rating, Add	45.78	
			For Class 55 Rating, Add	101.75	
40 05 19 00-0092	EA		8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,232.19	387.14
			For Class 52 Rating, Deduct	-71.02	
			For Class 54 Rating, Add	48.42	
			For Class 55 Rating, Add	107.62	
40 05 19 00-0093	EA		8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,273.25	391.02
			For Class 52 Rating, Deduct	-74.89	
			For Class 54 Rating, Add	51.06	
			For Class 55 Rating, Add	113.49	
40 05 19 00-0094	EA		8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,314.32	394.89
			For Class 52 Rating, Deduct	-78.76	
			For Class 54 Rating, Add	53.70	
			For Class 55 Rating, Add	119.36	
40 05 19 00-0095	EA		8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,355.38	398.76
			For Class 52 Rating, Deduct	-82.63	
			For Class 54 Rating, Add	56.34	
			For Class 55 Rating, Add	125.23	
40 05 19 00-0096	EA		8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,396.45	402.63
			For Class 52 Rating, Deduct	-86.50	
			For Class 54 Rating, Add	58.98	
			For Class 55 Rating, Add	131.09	
40 05 19 00-0097	EA		8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,437.51	406.50
			For Class 52 Rating, Deduct	-90.38	
			For Class 54 Rating, Add	61.62	
			For Class 55 Rating, Add	136.96	
40 05 19 00-0098	EA		8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,478.58	410.37
			For Class 52 Rating, Deduct	-94.25	
			For Class 54 Rating, Add	64.26	
			For Class 55 Rating, Add	142.83	
40 05 19 00-0099	EA		8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,519.65	414.24
			For Class 52 Rating, Deduct	-98.12	
			For Class 54 Rating, Add	66.90	
			For Class 55 Rating, Add	148.70	
40 05 19 00-0100	EA		8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,560.71	418.11
			For Class 52 Rating, Deduct	-101.99	
			For Class 54 Rating, Add	69.54	
			For Class 55 Rating, Add	154.56	
40 05 19 00-0101	EA		8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,601.78	421.99
			For Class 52 Rating, Deduct	-105.86	
			For Class 54 Rating, Add	72.18	
			For Class 55 Rating, Add	160.43	
40 05 19 00-0102	EA		8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,642.84	425.86
			For Class 52 Rating, Deduct	-109.74	
			For Class 54 Rating, Add	74.82	
			For Class 55 Rating, Add	166.30	
40 05 19 00-0103	EA		8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,683.91	429.73
			For Class 52 Rating, Deduct	-113.61	
			For Class 54 Rating, Add	77.46	
			For Class 55 Rating, Add	172.17	
40 05 19 00-0104	EA		8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,724.97	433.60
			For Class 52 Rating, Deduct	-117.48	
			For Class 54 Rating, Add	80.10	
			For Class 55 Rating, Add	178.04	
40 05 19 00-0105	EA		8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,766.04	437.48
			For Class 52 Rating, Deduct	-121.35	
			For Class 54 Rating, Add	82.74	
			For Class 55 Rating, Add	183.90	
40 05 19 00-0106	EA		8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,807.11	441.35
			For Class 52 Rating, Deduct	-125.22	
			For Class 54 Rating, Add	85.38	
			For Class 55 Rating, Add	189.77	
40 05 19 00-0107	EA		8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,848.17	445.21
			For Class 52 Rating, Deduct	-129.10	
			For Class 54 Rating, Add	88.02	
			For Class 55 Rating, Add	195.64	
40 05 19 00-0108	EA		8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,889.24	449.08
			For Class 52 Rating, Deduct	-132.97	
			For Class 54 Rating, Add	90.66	
			For Class 55 Rating, Add	201.51	
40 05 19 00-0109	EA		8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,930.30	452.96
			For Class 52 Rating, Deduct	-136.84	
			For Class 54 Rating, Add	93.30	
			For Class 55 Rating, Add	207.37	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0110	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,971.37	456.83
		<i>For Class 52 Rating, Deduct</i>	-140.71	
		<i>For Class 54 Rating, Add</i>	95.94	
		<i>For Class 55 Rating, Add</i>	213.24	
40 05 19 00-0111	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,012.43	460.70
		<i>For Class 52 Rating, Deduct</i>	-144.58	
		<i>For Class 54 Rating, Add</i>	98.58	
		<i>For Class 55 Rating, Add</i>	219.11	
40 05 19 00-0112	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,053.50	464.57
		<i>For Class 52 Rating, Deduct</i>	-148.46	
		<i>For Class 54 Rating, Add</i>	101.22	
		<i>For Class 55 Rating, Add</i>	224.98	
40 05 19 00-0113	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,094.57	468.45
		<i>For Class 52 Rating, Deduct</i>	-152.33	
		<i>For Class 54 Rating, Add</i>	103.86	
		<i>For Class 55 Rating, Add</i>	230.85	
40 05 19 00-0114	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,135.63	472.32
		<i>For Class 52 Rating, Deduct</i>	-156.20	
		<i>For Class 54 Rating, Add</i>	106.50	
		<i>For Class 55 Rating, Add</i>	236.71	
40 05 19 00-0115	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,176.70	476.19
		<i>For Class 52 Rating, Deduct</i>	-160.07	
		<i>For Class 54 Rating, Add</i>	109.14	
		<i>For Class 55 Rating, Add</i>	242.58	
40 05 19 00-0116	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,217.76	480.06
		<i>For Class 52 Rating, Deduct</i>	-163.94	
		<i>For Class 54 Rating, Add</i>	111.78	
		<i>For Class 55 Rating, Add</i>	248.45	
40 05 19 00-0117	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,258.83	483.93
		<i>For Class 52 Rating, Deduct</i>	-167.82	
		<i>For Class 54 Rating, Add</i>	114.42	
		<i>For Class 55 Rating, Add</i>	254.32	
40 05 19 00-0118	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,299.89	487.80
		<i>For Class 52 Rating, Deduct</i>	-171.69	
		<i>For Class 54 Rating, Add</i>	117.06	
		<i>For Class 55 Rating, Add</i>	260.19	
40 05 19 00-0119	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,340.96	491.67
		<i>For Class 52 Rating, Deduct</i>	-175.56	
		<i>For Class 54 Rating, Add</i>	119.70	
		<i>For Class 55 Rating, Add</i>	266.05	
40 05 19 00-0120	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,382.03	495.54
		<i>For Class 52 Rating, Deduct</i>	-179.43	
		<i>For Class 54 Rating, Add</i>	122.34	
		<i>For Class 55 Rating, Add</i>	271.92	
40 05 19 00-0121	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,423.09	499.42
		<i>For Class 52 Rating, Deduct</i>	-183.30	
		<i>For Class 54 Rating, Add</i>	124.98	
		<i>For Class 55 Rating, Add</i>	277.79	
40 05 19 00-0122	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,464.16	503.29
		<i>For Class 52 Rating, Deduct</i>	-187.18	
		<i>For Class 54 Rating, Add</i>	127.62	
		<i>For Class 55 Rating, Add</i>	283.66	

40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0124	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,124.17	433.60
		<i>For Class 52 Rating, Deduct</i>	-51.39	
		<i>For Class 54 Rating, Add</i>	35.04	
		<i>For Class 55 Rating, Add</i>	77.88	
40 05 19 00-0125	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,176.44	437.48
		<i>For Class 52 Rating, Deduct</i>	-56.50	
		<i>For Class 54 Rating, Add</i>	38.52	
		<i>For Class 55 Rating, Add</i>	85.62	
40 05 19 00-0126	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,228.71	441.35
		<i>For Class 52 Rating, Deduct</i>	-61.60	
		<i>For Class 54 Rating, Add</i>	42.00	
		<i>For Class 55 Rating, Add</i>	93.35	
40 05 19 00-0127	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,280.97	445.21
		<i>For Class 52 Rating, Deduct</i>	-66.70	
		<i>For Class 54 Rating, Add</i>	45.48	
		<i>For Class 55 Rating, Add</i>	101.09	
40 05 19 00-0128	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,333.24	449.08
		<i>For Class 52 Rating, Deduct</i>	-71.81	
		<i>For Class 54 Rating, Add</i>	48.96	
		<i>For Class 55 Rating, Add</i>	108.82	
40 05 19 00-0129	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,385.50	452.96
		<i>For Class 52 Rating, Deduct</i>	-76.91	
		<i>For Class 54 Rating, Add</i>	52.44	
		<i>For Class 55 Rating, Add</i>	116.56	
40 05 19 00-0130	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,437.77	456.83
		<i>For Class 52 Rating, Deduct</i>	-82.02	
		<i>For Class 54 Rating, Add</i>	55.92	
		<i>For Class 55 Rating, Add</i>	124.29	
40 05 19 00-0131	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,490.03	460.70
		<i>For Class 52 Rating, Deduct</i>	-87.12	
		<i>For Class 54 Rating, Add</i>	59.40	
		<i>For Class 55 Rating, Add</i>	132.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0132	EA		10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,542.30	464.57
			<i>For Class 52 Rating, Deduct</i>	-92.22	
			<i>For Class 54 Rating, Add</i>	62.88	
			<i>For Class 55 Rating, Add</i>	139.76	
40 05 19 00-0133	EA		10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,594.57	468.45
			<i>For Class 52 Rating, Deduct</i>	-97.33	
			<i>For Class 54 Rating, Add</i>	66.36	
			<i>For Class 55 Rating, Add</i>	147.50	
40 05 19 00-0134	EA		10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,646.83	472.32
			<i>For Class 52 Rating, Deduct</i>	-102.43	
			<i>For Class 54 Rating, Add</i>	69.84	
			<i>For Class 55 Rating, Add</i>	155.23	
40 05 19 00-0135	EA		10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,699.10	476.19
			<i>For Class 52 Rating, Deduct</i>	-107.54	
			<i>For Class 54 Rating, Add</i>	73.32	
			<i>For Class 55 Rating, Add</i>	162.97	
40 05 19 00-0136	EA		10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,751.36	480.06
			<i>For Class 52 Rating, Deduct</i>	-112.64	
			<i>For Class 54 Rating, Add</i>	76.80	
			<i>For Class 55 Rating, Add</i>	170.70	
40 05 19 00-0137	EA		10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,803.63	483.93
			<i>For Class 52 Rating, Deduct</i>	-117.74	
			<i>For Class 54 Rating, Add</i>	80.28	
			<i>For Class 55 Rating, Add</i>	178.44	
40 05 19 00-0138	EA		10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,855.89	487.80
			<i>For Class 52 Rating, Deduct</i>	-122.85	
			<i>For Class 54 Rating, Add</i>	83.76	
			<i>For Class 55 Rating, Add</i>	186.17	
40 05 19 00-0139	EA		10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,908.16	491.67
			<i>For Class 52 Rating, Deduct</i>	-127.95	
			<i>For Class 54 Rating, Add</i>	87.24	
			<i>For Class 55 Rating, Add</i>	193.91	
40 05 19 00-0140	EA		10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,960.43	495.54
			<i>For Class 52 Rating, Deduct</i>	-133.06	
			<i>For Class 54 Rating, Add</i>	90.72	
			<i>For Class 55 Rating, Add</i>	201.64	
40 05 19 00-0141	EA		10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,012.69	499.42
			<i>For Class 52 Rating, Deduct</i>	-138.16	
			<i>For Class 54 Rating, Add</i>	94.20	
			<i>For Class 55 Rating, Add</i>	209.38	
40 05 19 00-0142	EA		10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,064.96	503.29
			<i>For Class 52 Rating, Deduct</i>	-143.26	
			<i>For Class 54 Rating, Add</i>	97.68	
			<i>For Class 55 Rating, Add</i>	217.11	
40 05 19 00-0143	EA		10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,117.22	507.16
			<i>For Class 52 Rating, Deduct</i>	-148.37	
			<i>For Class 54 Rating, Add</i>	101.16	
			<i>For Class 55 Rating, Add</i>	224.84	
40 05 19 00-0144	EA		10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,169.49	511.03
			<i>For Class 52 Rating, Deduct</i>	-153.47	
			<i>For Class 54 Rating, Add</i>	104.64	
			<i>For Class 55 Rating, Add</i>	232.58	
40 05 19 00-0145	EA		10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,221.75	514.90
			<i>For Class 52 Rating, Deduct</i>	-158.58	
			<i>For Class 54 Rating, Add</i>	108.12	
			<i>For Class 55 Rating, Add</i>	240.31	
40 05 19 00-0146	EA		10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,274.02	518.78
			<i>For Class 52 Rating, Deduct</i>	-163.68	
			<i>For Class 54 Rating, Add</i>	111.60	
			<i>For Class 55 Rating, Add</i>	248.05	
40 05 19 00-0147	EA		10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,326.29	522.64
			<i>For Class 52 Rating, Deduct</i>	-168.78	
			<i>For Class 54 Rating, Add</i>	115.08	
			<i>For Class 55 Rating, Add</i>	255.78	
40 05 19 00-0148	EA		10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,378.55	526.51
			<i>For Class 52 Rating, Deduct</i>	-173.89	
			<i>For Class 54 Rating, Add</i>	118.56	
			<i>For Class 55 Rating, Add</i>	263.52	
40 05 19 00-0149	EA		10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,430.82	530.38
			<i>For Class 52 Rating, Deduct</i>	-178.99	
			<i>For Class 54 Rating, Add</i>	122.04	
			<i>For Class 55 Rating, Add</i>	271.25	
40 05 19 00-0150	EA		10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,483.08	534.26
			<i>For Class 52 Rating, Deduct</i>	-184.10	
			<i>For Class 54 Rating, Add</i>	125.52	
			<i>For Class 55 Rating, Add</i>	278.99	
40 05 19 00-0151	EA		10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,535.35	538.13
			<i>For Class 52 Rating, Deduct</i>	-189.20	
			<i>For Class 54 Rating, Add</i>	129.00	
			<i>For Class 55 Rating, Add</i>	286.72	
40 05 19 00-0152	EA		10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,587.62	542.00
			<i>For Class 52 Rating, Deduct</i>	-194.30	
			<i>For Class 54 Rating, Add</i>	132.48	
			<i>For Class 55 Rating, Add</i>	294.46	
40 05 19 00-0153	EA		10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,639.88	545.87
			<i>For Class 52 Rating, Deduct</i>	-199.41	
			<i>For Class 54 Rating, Add</i>	135.96	
			<i>For Class 55 Rating, Add</i>	302.19	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-0154	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,692.15	549.75
		<i>For Class 52 Rating, Deduct</i>	-204.51	
		<i>For Class 54 Rating, Add</i>	139.44	
		<i>For Class 55 Rating, Add</i>	309.93	
40 05 19 00-0155	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,743.61	553.62
		<i>For Class 52 Rating, Deduct</i>	-209.53	
		<i>For Class 54 Rating, Add</i>	142.86	
		<i>For Class 55 Rating, Add</i>	317.53	
40 05 19 00-0156	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,796.68	557.49
		<i>For Class 52 Rating, Deduct</i>	-214.72	
		<i>For Class 54 Rating, Add</i>	146.40	
		<i>For Class 55 Rating, Add</i>	325.40	
40 05 19 00-0157	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,848.94	561.35
		<i>For Class 52 Rating, Deduct</i>	-219.82	
		<i>For Class 54 Rating, Add</i>	149.88	
		<i>For Class 55 Rating, Add</i>	333.13	
40 05 19 00-0158	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,901.21	565.23
		<i>For Class 52 Rating, Deduct</i>	-224.93	
		<i>For Class 54 Rating, Add</i>	153.36	
		<i>For Class 55 Rating, Add</i>	340.87	
40 05 19 00-0159	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,953.48	569.10
		<i>For Class 52 Rating, Deduct</i>	-230.03	
		<i>For Class 54 Rating, Add</i>	156.84	
		<i>For Class 55 Rating, Add</i>	348.60	
40 05 19 00-0160	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,005.74	572.97
		<i>For Class 52 Rating, Deduct</i>	-235.14	
		<i>For Class 54 Rating, Add</i>	160.32	
		<i>For Class 55 Rating, Add</i>	356.34	
40 05 19 00-0161	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,058.01	576.84
		<i>For Class 52 Rating, Deduct</i>	-240.24	
		<i>For Class 54 Rating, Add</i>	163.80	
		<i>For Class 55 Rating, Add</i>	364.07	
40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,110.27	580.72
		<i>For Class 52 Rating, Deduct</i>	-245.34	
		<i>For Class 54 Rating, Add</i>	167.28	
		<i>For Class 55 Rating, Add</i>	371.81	

40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,446.82	542.00
		<i>For Class 52 Rating, Deduct</i>	-68.82	
		<i>For Class 54 Rating, Add</i>	46.92	
		<i>For Class 55 Rating, Add</i>	104.29	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,511.08	545.87
		<i>For Class 52 Rating, Deduct</i>	-75.24	
		<i>For Class 54 Rating, Add</i>	51.30	
		<i>For Class 55 Rating, Add</i>	114.02	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,575.35	549.75
		<i>For Class 52 Rating, Deduct</i>	-81.66	
		<i>For Class 54 Rating, Add</i>	55.68	
		<i>For Class 55 Rating, Add</i>	123.76	
40 05 19 00-0167	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,639.61	553.62
		<i>For Class 52 Rating, Deduct</i>	-88.09	
		<i>For Class 54 Rating, Add</i>	60.06	
		<i>For Class 55 Rating, Add</i>	133.49	
40 05 19 00-0168	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,703.88	557.49
		<i>For Class 52 Rating, Deduct</i>	-94.51	
		<i>For Class 54 Rating, Add</i>	64.44	
		<i>For Class 55 Rating, Add</i>	143.23	
40 05 19 00-0169	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,768.14	561.35
		<i>For Class 52 Rating, Deduct</i>	-100.94	
		<i>For Class 54 Rating, Add</i>	68.82	
		<i>For Class 55 Rating, Add</i>	152.96	
40 05 19 00-0170	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,832.41	565.23
		<i>For Class 52 Rating, Deduct</i>	-107.36	
		<i>For Class 54 Rating, Add</i>	73.20	
		<i>For Class 55 Rating, Add</i>	162.70	
40 05 19 00-0171	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,896.68	569.10
		<i>For Class 52 Rating, Deduct</i>	-113.78	
		<i>For Class 54 Rating, Add</i>	77.58	
		<i>For Class 55 Rating, Add</i>	172.43	
40 05 19 00-0172	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,960.94	572.97
		<i>For Class 52 Rating, Deduct</i>	-120.21	
		<i>For Class 54 Rating, Add</i>	81.96	
		<i>For Class 55 Rating, Add</i>	182.17	
40 05 19 00-0173	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,025.21	576.84
		<i>For Class 52 Rating, Deduct</i>	-126.63	
		<i>For Class 54 Rating, Add</i>	86.34	
		<i>For Class 55 Rating, Add</i>	191.91	
40 05 19 00-0174	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,089.47	580.72
		<i>For Class 52 Rating, Deduct</i>	-133.06	
		<i>For Class 54 Rating, Add</i>	90.72	
		<i>For Class 55 Rating, Add</i>	201.64	
40 05 19 00-0175	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,153.74	584.59
		<i>For Class 52 Rating, Deduct</i>	-139.48	
		<i>For Class 54 Rating, Add</i>	95.10	
		<i>For Class 55 Rating, Add</i>	211.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0176	EA		12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,218.00	588.46
			<i>For Class 52 Rating, Deduct</i>	-145.90	
			<i>For Class 54 Rating, Add</i>	99.48	
			<i>For Class 55 Rating, Add</i>	221.11	
40 05 19 00-0177	EA		12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,282.27	592.33
			<i>For Class 52 Rating, Deduct</i>	-152.33	
			<i>For Class 54 Rating, Add</i>	103.86	
			<i>For Class 55 Rating, Add</i>	230.85	
40 05 19 00-0178	EA		12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,346.54	596.21
			<i>For Class 52 Rating, Deduct</i>	-158.75	
			<i>For Class 54 Rating, Add</i>	108.24	
			<i>For Class 55 Rating, Add</i>	240.58	
40 05 19 00-0179	EA		12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,410.80	600.07
			<i>For Class 52 Rating, Deduct</i>	-165.18	
			<i>For Class 54 Rating, Add</i>	112.62	
			<i>For Class 55 Rating, Add</i>	250.32	
40 05 19 00-0180	EA		12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,475.07	603.94
			<i>For Class 52 Rating, Deduct</i>	-171.60	
			<i>For Class 54 Rating, Add</i>	117.00	
			<i>For Class 55 Rating, Add</i>	260.05	
40 05 19 00-0181	EA		12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,539.33	607.81
			<i>For Class 52 Rating, Deduct</i>	-178.02	
			<i>For Class 54 Rating, Add</i>	121.38	
			<i>For Class 55 Rating, Add</i>	269.79	
40 05 19 00-0182	EA		12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,603.60	611.69
			<i>For Class 52 Rating, Deduct</i>	-184.45	
			<i>For Class 54 Rating, Add</i>	125.76	
			<i>For Class 55 Rating, Add</i>	279.52	
40 05 19 00-0183	EA		12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,667.86	615.56
			<i>For Class 52 Rating, Deduct</i>	-190.87	
			<i>For Class 54 Rating, Add</i>	130.14	
			<i>For Class 55 Rating, Add</i>	289.26	
40 05 19 00-0184	EA		12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,732.13	619.43
			<i>For Class 52 Rating, Deduct</i>	-197.30	
			<i>For Class 54 Rating, Add</i>	134.52	
			<i>For Class 55 Rating, Add</i>	298.99	
40 05 19 00-0185	EA		12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,796.40	623.30
			<i>For Class 52 Rating, Deduct</i>	-203.72	
			<i>For Class 54 Rating, Add</i>	138.90	
			<i>For Class 55 Rating, Add</i>	308.73	
40 05 19 00-0186	EA		12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,860.66	627.18
			<i>For Class 52 Rating, Deduct</i>	-210.14	
			<i>For Class 54 Rating, Add</i>	143.28	
			<i>For Class 55 Rating, Add</i>	318.46	
40 05 19 00-0187	EA		12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,924.93	631.05
			<i>For Class 52 Rating, Deduct</i>	-216.57	
			<i>For Class 54 Rating, Add</i>	147.66	
			<i>For Class 55 Rating, Add</i>	328.20	
40 05 19 00-0188	EA		12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,989.19	634.92
			<i>For Class 52 Rating, Deduct</i>	-222.99	
			<i>For Class 54 Rating, Add</i>	152.04	
			<i>For Class 55 Rating, Add</i>	337.93	
40 05 19 00-0189	EA		12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,053.46	638.78
			<i>For Class 52 Rating, Deduct</i>	-229.42	
			<i>For Class 54 Rating, Add</i>	156.42	
			<i>For Class 55 Rating, Add</i>	347.67	
40 05 19 00-0190	EA		12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,117.72	642.66
			<i>For Class 52 Rating, Deduct</i>	-235.84	
			<i>For Class 54 Rating, Add</i>	160.80	
			<i>For Class 55 Rating, Add</i>	357.40	
40 05 19 00-0191	EA		12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,181.99	646.53
			<i>For Class 52 Rating, Deduct</i>	-242.26	
			<i>For Class 54 Rating, Add</i>	165.18	
			<i>For Class 55 Rating, Add</i>	367.14	
40 05 19 00-0192	EA		12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,246.26	650.40
			<i>For Class 52 Rating, Deduct</i>	-248.69	
			<i>For Class 54 Rating, Add</i>	169.56	
			<i>For Class 55 Rating, Add</i>	376.88	
40 05 19 00-0193	EA		12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,310.52	654.27
			<i>For Class 52 Rating, Deduct</i>	-255.11	
			<i>For Class 54 Rating, Add</i>	173.94	
			<i>For Class 55 Rating, Add</i>	386.61	
40 05 19 00-0194	EA		12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,374.79	658.15
			<i>For Class 52 Rating, Deduct</i>	-261.54	
			<i>For Class 54 Rating, Add</i>	178.32	
			<i>For Class 55 Rating, Add</i>	396.35	
40 05 19 00-0195	EA		12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,439.05	662.02
			<i>For Class 52 Rating, Deduct</i>	-267.96	
			<i>For Class 54 Rating, Add</i>	182.70	
			<i>For Class 55 Rating, Add</i>	406.08	
40 05 19 00-0196	EA		12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,503.32	665.89
			<i>For Class 52 Rating, Deduct</i>	-274.38	
			<i>For Class 54 Rating, Add</i>	187.08	
			<i>For Class 55 Rating, Add</i>	415.82	
40 05 19 00-0197	EA		12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,567.58	669.76
			<i>For Class 52 Rating, Deduct</i>	-280.81	
			<i>For Class 54 Rating, Add</i>	191.46	
			<i>For Class 55 Rating, Add</i>	425.55	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0198	EA 12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,631.85	673.64
	For Class 52 Rating, Deduct	-287.23	
	For Class 54 Rating, Add	195.84	
	For Class 55 Rating, Add	435.29	
40 05 19 00-0199	EA 12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,696.12	677.50
	For Class 52 Rating, Deduct	-293.66	
	For Class 54 Rating, Add	200.22	
	For Class 55 Rating, Add	445.02	
40 05 19 00-0200	EA 12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,760.38	681.37
	For Class 52 Rating, Deduct	-300.08	
	For Class 54 Rating, Add	204.60	
	For Class 55 Rating, Add	454.76	
40 05 19 00-0201	EA 12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,824.65	685.24
	For Class 52 Rating, Deduct	-306.50	
	For Class 54 Rating, Add	208.98	
	For Class 55 Rating, Add	464.49	
40 05 19 00-0202	EA 12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,888.91	689.11
	For Class 52 Rating, Deduct	-312.93	
	For Class 54 Rating, Add	213.36	
	For Class 55 Rating, Add	474.23	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0204	EA 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,861.46	650.40
	For Class 52 Rating, Deduct	-96.36	
	For Class 54 Rating, Add	65.70	
	For Class 55 Rating, Add	146.03	
40 05 19 00-0205	EA 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,938.52	654.27
	For Class 52 Rating, Deduct	-104.19	
	For Class 54 Rating, Add	71.04	
	For Class 55 Rating, Add	157.90	
40 05 19 00-0206	EA 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,015.59	658.15
	For Class 52 Rating, Deduct	-112.02	
	For Class 54 Rating, Add	76.38	
	For Class 55 Rating, Add	169.77	
40 05 19 00-0207	EA 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,092.65	662.02
	For Class 52 Rating, Deduct	-119.86	
	For Class 54 Rating, Add	81.72	
	For Class 55 Rating, Add	181.64	
40 05 19 00-0208	EA 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,169.72	665.89
	For Class 52 Rating, Deduct	-127.69	
	For Class 54 Rating, Add	87.06	
	For Class 55 Rating, Add	193.51	
40 05 19 00-0209	EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,246.78	669.76
	For Class 52 Rating, Deduct	-135.52	
	For Class 54 Rating, Add	92.40	
	For Class 55 Rating, Add	205.37	
40 05 19 00-0210	EA 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,323.85	673.64
	For Class 52 Rating, Deduct	-143.35	
	For Class 54 Rating, Add	97.74	
	For Class 55 Rating, Add	217.24	
40 05 19 00-0211	EA 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,400.92	677.50
	For Class 52 Rating, Deduct	-151.18	
	For Class 54 Rating, Add	103.08	
	For Class 55 Rating, Add	229.11	
40 05 19 00-0212	EA 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,477.98	681.37
	For Class 52 Rating, Deduct	-159.02	
	For Class 54 Rating, Add	108.42	
	For Class 55 Rating, Add	240.98	
40 05 19 00-0213	EA 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,555.05	685.24
	For Class 52 Rating, Deduct	-166.85	
	For Class 54 Rating, Add	113.76	
	For Class 55 Rating, Add	252.85	
40 05 19 00-0214	EA 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,632.11	689.11
	For Class 52 Rating, Deduct	-174.68	
	For Class 54 Rating, Add	119.10	
	For Class 55 Rating, Add	264.72	
40 05 19 00-0215	EA 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,709.18	692.99
	For Class 52 Rating, Deduct	-182.51	
	For Class 54 Rating, Add	124.44	
	For Class 55 Rating, Add	276.59	
40 05 19 00-0216	EA 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,786.25	696.86
	For Class 52 Rating, Deduct	-190.34	
	For Class 54 Rating, Add	129.78	
	For Class 55 Rating, Add	288.46	
40 05 19 00-0217	EA 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,863.31	700.73
	For Class 52 Rating, Deduct	-198.18	
	For Class 54 Rating, Add	135.12	
	For Class 55 Rating, Add	300.33	
40 05 19 00-0218	EA 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,940.38	704.60
	For Class 52 Rating, Deduct	-206.01	
	For Class 54 Rating, Add	140.46	
	For Class 55 Rating, Add	312.20	
40 05 19 00-0219	EA 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,017.44	708.48
	For Class 52 Rating, Deduct	-213.84	
	For Class 54 Rating, Add	145.80	
	For Class 55 Rating, Add	324.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0220	EA		14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,094.51	712.35
			<i>For Class 52 Rating, Deduct</i>	-221.67	
			<i>For Class 54 Rating, Add</i>	151.14	
			<i>For Class 55 Rating, Add</i>	335.93	
40 05 19 00-0221	EA		14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,171.57	716.21
			<i>For Class 52 Rating, Deduct</i>	-229.50	
			<i>For Class 54 Rating, Add</i>	156.48	
			<i>For Class 55 Rating, Add</i>	347.80	
40 05 19 00-0222	EA		14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,248.64	720.08
			<i>For Class 52 Rating, Deduct</i>	-237.34	
			<i>For Class 54 Rating, Add</i>	161.82	
			<i>For Class 55 Rating, Add</i>	359.67	
40 05 19 00-0223	EA		14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,325.71	723.96
			<i>For Class 52 Rating, Deduct</i>	-245.17	
			<i>For Class 54 Rating, Add</i>	167.16	
			<i>For Class 55 Rating, Add</i>	371.54	
40 05 19 00-0224	EA		14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,402.77	727.83
			<i>For Class 52 Rating, Deduct</i>	-253.00	
			<i>For Class 54 Rating, Add</i>	172.50	
			<i>For Class 55 Rating, Add</i>	383.41	
40 05 19 00-0225	EA		14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,479.84	731.70
			<i>For Class 52 Rating, Deduct</i>	-260.83	
			<i>For Class 54 Rating, Add</i>	177.84	
			<i>For Class 55 Rating, Add</i>	395.28	
40 05 19 00-0226	EA		14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,556.90	735.57
			<i>For Class 52 Rating, Deduct</i>	-268.66	
			<i>For Class 54 Rating, Add</i>	183.18	
			<i>For Class 55 Rating, Add</i>	407.15	
40 05 19 00-0227	EA		14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,633.97	739.45
			<i>For Class 52 Rating, Deduct</i>	-276.50	
			<i>For Class 54 Rating, Add</i>	188.52	
			<i>For Class 55 Rating, Add</i>	419.02	
40 05 19 00-0228	EA		14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,711.03	743.32
			<i>For Class 52 Rating, Deduct</i>	-284.33	
			<i>For Class 54 Rating, Add</i>	193.86	
			<i>For Class 55 Rating, Add</i>	430.89	
40 05 19 00-0229	EA		14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,788.10	747.19
			<i>For Class 52 Rating, Deduct</i>	-292.16	
			<i>For Class 54 Rating, Add</i>	199.20	
			<i>For Class 55 Rating, Add</i>	442.76	
40 05 19 00-0230	EA		14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,865.17	751.06
			<i>For Class 52 Rating, Deduct</i>	-299.99	
			<i>For Class 54 Rating, Add</i>	204.54	
			<i>For Class 55 Rating, Add</i>	454.62	
40 05 19 00-0231	EA		14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,942.23	754.93
			<i>For Class 52 Rating, Deduct</i>	-307.82	
			<i>For Class 54 Rating, Add</i>	209.88	
			<i>For Class 55 Rating, Add</i>	466.49	
40 05 19 00-0232	EA		14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,019.30	758.80
			<i>For Class 52 Rating, Deduct</i>	-315.66	
			<i>For Class 54 Rating, Add</i>	215.22	
			<i>For Class 55 Rating, Add</i>	478.36	
40 05 19 00-0233	EA		14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,096.36	762.67
			<i>For Class 52 Rating, Deduct</i>	-323.49	
			<i>For Class 54 Rating, Add</i>	220.56	
			<i>For Class 55 Rating, Add</i>	490.23	
40 05 19 00-0234	EA		14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,173.43	766.54
			<i>For Class 52 Rating, Deduct</i>	-331.32	
			<i>For Class 54 Rating, Add</i>	225.90	
			<i>For Class 55 Rating, Add</i>	502.10	
40 05 19 00-0235	EA		14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,250.49	770.42
			<i>For Class 52 Rating, Deduct</i>	-339.15	
			<i>For Class 54 Rating, Add</i>	231.24	
			<i>For Class 55 Rating, Add</i>	513.97	
40 05 19 00-0236	EA		14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,327.56	774.29
			<i>For Class 52 Rating, Deduct</i>	-346.98	
			<i>For Class 54 Rating, Add</i>	236.58	
			<i>For Class 55 Rating, Add</i>	525.84	
40 05 19 00-0237	EA		14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,404.63	778.16
			<i>For Class 52 Rating, Deduct</i>	-354.82	
			<i>For Class 54 Rating, Add</i>	241.92	
			<i>For Class 55 Rating, Add</i>	537.71	
40 05 19 00-0238	EA		14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,481.69	782.03
			<i>For Class 52 Rating, Deduct</i>	-362.65	
			<i>For Class 54 Rating, Add</i>	247.26	
			<i>For Class 55 Rating, Add</i>	549.58	
40 05 19 00-0239	EA		14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,558.76	785.91
			<i>For Class 52 Rating, Deduct</i>	-370.48	
			<i>For Class 54 Rating, Add</i>	252.60	
			<i>For Class 55 Rating, Add</i>	561.45	
40 05 19 00-0240	EA		14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,635.82	789.78
			<i>For Class 52 Rating, Deduct</i>	-378.31	
			<i>For Class 54 Rating, Add</i>	257.94	
			<i>For Class 55 Rating, Add</i>	573.31	
40 05 19 00-0241	EA		14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,712.89	793.64
			<i>For Class 52 Rating, Deduct</i>	-386.14	
			<i>For Class 54 Rating, Add</i>	263.28	
			<i>For Class 55 Rating, Add</i>	585.18	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0242			16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0243	EA		16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,164.63	743.32
			For Class 52 Rating, Deduct	-114.22	
			For Class 54 Rating, Add	77.88	
			For Class 55 Rating, Add	173.10	
40 05 19 00-0244	EA		16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,253.70	747.19
			For Class 52 Rating, Deduct	-123.38	
			For Class 54 Rating, Add	84.12	
			For Class 55 Rating, Add	186.97	
40 05 19 00-0245	EA		16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,342.77	751.06
			For Class 52 Rating, Deduct	-132.53	
			For Class 54 Rating, Add	90.36	
			For Class 55 Rating, Add	200.84	
40 05 19 00-0246	EA		16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,431.83	754.93
			For Class 52 Rating, Deduct	-141.68	
			For Class 54 Rating, Add	96.60	
			For Class 55 Rating, Add	214.71	
40 05 19 00-0247	EA		16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,520.90	758.80
			For Class 52 Rating, Deduct	-150.83	
			For Class 54 Rating, Add	102.84	
			For Class 55 Rating, Add	228.58	
40 05 19 00-0248	EA		16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,609.96	762.67
			For Class 52 Rating, Deduct	-159.98	
			For Class 54 Rating, Add	109.08	
			For Class 55 Rating, Add	242.45	
40 05 19 00-0249	EA		16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,699.03	766.54
			For Class 52 Rating, Deduct	-169.14	
			For Class 54 Rating, Add	115.32	
			For Class 55 Rating, Add	256.32	
40 05 19 00-0250	EA		16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,788.09	770.42
			For Class 52 Rating, Deduct	-178.29	
			For Class 54 Rating, Add	121.56	
			For Class 55 Rating, Add	270.19	
40 05 19 00-0251	EA		16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,877.16	774.29
			For Class 52 Rating, Deduct	-187.44	
			For Class 54 Rating, Add	127.80	
			For Class 55 Rating, Add	284.06	
40 05 19 00-0252	EA		16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,966.23	778.16
			For Class 52 Rating, Deduct	-196.59	
			For Class 54 Rating, Add	134.04	
			For Class 55 Rating, Add	297.93	
40 05 19 00-0253	EA		16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,055.29	782.03
			For Class 52 Rating, Deduct	-205.74	
			For Class 54 Rating, Add	140.28	
			For Class 55 Rating, Add	311.80	
40 05 19 00-0254	EA		16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,144.36	785.91
			For Class 52 Rating, Deduct	-214.90	
			For Class 54 Rating, Add	146.52	
			For Class 55 Rating, Add	325.67	
40 05 19 00-0255	EA		16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,233.42	789.78
			For Class 52 Rating, Deduct	-224.05	
			For Class 54 Rating, Add	152.76	
			For Class 55 Rating, Add	339.53	
40 05 19 00-0256	EA		16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,322.49	793.64
			For Class 52 Rating, Deduct	-233.20	
			For Class 54 Rating, Add	159.00	
			For Class 55 Rating, Add	353.40	
40 05 19 00-0257	EA		16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,411.55	797.51
			For Class 52 Rating, Deduct	-242.35	
			For Class 54 Rating, Add	165.24	
			For Class 55 Rating, Add	367.27	
40 05 19 00-0258	EA		16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,500.62	801.39
			For Class 52 Rating, Deduct	-251.50	
			For Class 54 Rating, Add	171.48	
			For Class 55 Rating, Add	381.14	
40 05 19 00-0259	EA		16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,589.69	805.26
			For Class 52 Rating, Deduct	-260.66	
			For Class 54 Rating, Add	177.72	
			For Class 55 Rating, Add	395.01	
40 05 19 00-0260	EA		16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,678.75	809.13
			For Class 52 Rating, Deduct	-269.81	
			For Class 54 Rating, Add	183.96	
			For Class 55 Rating, Add	408.88	
40 05 19 00-0261	EA		16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,767.82	813.00
			For Class 52 Rating, Deduct	-278.96	
			For Class 54 Rating, Add	190.20	
			For Class 55 Rating, Add	422.75	
40 05 19 00-0262	EA		16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,856.88	816.88
			For Class 52 Rating, Deduct	-288.11	
			For Class 54 Rating, Add	196.44	
			For Class 55 Rating, Add	436.62	
40 05 19 00-0263	EA		16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,945.95	820.75
			For Class 52 Rating, Deduct	-297.26	
			For Class 54 Rating, Add	202.68	
			For Class 55 Rating, Add	450.49	
40 05 19 00-0264	EA		16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,035.01	824.62
			For Class 52 Rating, Deduct	-306.42	
			For Class 54 Rating, Add	208.92	
			For Class 55 Rating, Add	464.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0265	EA		16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,124.08	828.49
			For Class 52 Rating, Deduct	-315.57	
			For Class 54 Rating, Add	215.16	
			For Class 55 Rating, Add	478.23	
40 05 19 00-0266	EA		16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,213.15	832.36
			For Class 52 Rating, Deduct	-324.72	
			For Class 54 Rating, Add	221.40	
			For Class 55 Rating, Add	492.10	
40 05 19 00-0267	EA		16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,302.21	836.23
			For Class 52 Rating, Deduct	-333.87	
			For Class 54 Rating, Add	227.64	
			For Class 55 Rating, Add	505.97	
40 05 19 00-0268	EA		16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,391.28	840.10
			For Class 52 Rating, Deduct	-343.02	
			For Class 54 Rating, Add	233.88	
			For Class 55 Rating, Add	519.84	
40 05 19 00-0269	EA		16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,480.34	843.97
			For Class 52 Rating, Deduct	-352.18	
			For Class 54 Rating, Add	240.12	
			For Class 55 Rating, Add	533.71	
40 05 19 00-0270	EA		16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,569.41	847.85
			For Class 52 Rating, Deduct	-361.33	
			For Class 54 Rating, Add	246.36	
			For Class 55 Rating, Add	547.58	
40 05 19 00-0271	EA		16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,658.48	851.72
			For Class 52 Rating, Deduct	-370.48	
			For Class 54 Rating, Add	252.60	
			For Class 55 Rating, Add	561.45	
40 05 19 00-0272	EA		16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,747.54	855.59
			For Class 52 Rating, Deduct	-379.63	
			For Class 54 Rating, Add	258.84	
			For Class 55 Rating, Add	575.32	
40 05 19 00-0273	EA		16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,836.61	859.46
			For Class 52 Rating, Deduct	-388.78	
			For Class 54 Rating, Add	265.08	
			For Class 55 Rating, Add	589.18	
40 05 19 00-0274	EA		16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,925.67	863.33
			For Class 52 Rating, Deduct	-397.94	
			For Class 54 Rating, Add	271.32	
			For Class 55 Rating, Add	603.05	
40 05 19 00-0275	EA		16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,014.74	867.21
			For Class 52 Rating, Deduct	-407.09	
			For Class 54 Rating, Add	277.56	
			For Class 55 Rating, Add	616.92	
40 05 19 00-0276	EA		16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,103.80	871.07
			For Class 52 Rating, Deduct	-416.24	
			For Class 54 Rating, Add	283.80	
			For Class 55 Rating, Add	630.79	
40 05 19 00-0277	EA		16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,192.87	874.94
			For Class 52 Rating, Deduct	-425.39	
			For Class 54 Rating, Add	290.04	
			For Class 55 Rating, Add	644.66	
40 05 19 00-0278	EA		16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,281.94	878.81
			For Class 52 Rating, Deduct	-434.54	
			For Class 54 Rating, Add	296.28	
			For Class 55 Rating, Add	658.53	
40 05 19 00-0279	EA		16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,371.00	882.69
			For Class 52 Rating, Deduct	-443.70	
			For Class 54 Rating, Add	302.52	
			For Class 55 Rating, Add	672.40	
40 05 19 00-0280	EA		16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,460.08	886.56
			For Class 52 Rating, Deduct	-452.85	
			For Class 54 Rating, Add	308.76	
			For Class 55 Rating, Add	686.27	
40 05 19 00-0281			18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0282	EA		18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,493.36	837.78
			For Class 52 Rating, Deduct	-134.64	
			For Class 54 Rating, Add	91.80	
			For Class 55 Rating, Add	204.04	
40 05 19 00-0283	EA		18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,595.23	841.65
			For Class 52 Rating, Deduct	-145.20	
			For Class 54 Rating, Add	99.00	
			For Class 55 Rating, Add	220.04	
40 05 19 00-0284	EA		18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,697.09	845.52
			For Class 52 Rating, Deduct	-155.76	
			For Class 54 Rating, Add	106.20	
			For Class 55 Rating, Add	236.05	
40 05 19 00-0285	EA		18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,798.96	849.39
			For Class 52 Rating, Deduct	-166.32	
			For Class 54 Rating, Add	113.40	
			For Class 55 Rating, Add	252.05	
40 05 19 00-0286	EA		18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,900.83	853.27
			For Class 52 Rating, Deduct	-176.88	
			For Class 54 Rating, Add	120.60	
			For Class 55 Rating, Add	268.05	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-0287	EA 18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,002.69	857.14
	For Class 52 Rating, Deduct	-187.44	
	For Class 54 Rating, Add	127.80	
	For Class 55 Rating, Add	284.06	
40 05 19 00-0288	EA 18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,104.56	861.01
	For Class 52 Rating, Deduct	-198.00	
	For Class 54 Rating, Add	135.00	
	For Class 55 Rating, Add	300.06	
40 05 19 00-0289	EA 18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,206.42	864.88
	For Class 52 Rating, Deduct	-208.56	
	For Class 54 Rating, Add	142.20	
	For Class 55 Rating, Add	316.06	
40 05 19 00-0290	EA 18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,308.29	868.75
	For Class 52 Rating, Deduct	-219.12	
	For Class 54 Rating, Add	149.40	
	For Class 55 Rating, Add	332.07	
40 05 19 00-0291	EA 18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,410.15	872.62
	For Class 52 Rating, Deduct	-229.68	
	For Class 54 Rating, Add	156.60	
	For Class 55 Rating, Add	348.07	
40 05 19 00-0292	EA 18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,512.02	876.49
	For Class 52 Rating, Deduct	-240.24	
	For Class 54 Rating, Add	163.80	
	For Class 55 Rating, Add	364.07	
40 05 19 00-0293	EA 18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,613.89	880.36
	For Class 52 Rating, Deduct	-250.80	
	For Class 54 Rating, Add	171.00	
	For Class 55 Rating, Add	380.08	
40 05 19 00-0294	EA 18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,715.75	884.24
	For Class 52 Rating, Deduct	-261.36	
	For Class 54 Rating, Add	178.20	
	For Class 55 Rating, Add	396.08	
40 05 19 00-0295	EA 18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,817.62	888.11
	For Class 52 Rating, Deduct	-271.92	
	For Class 54 Rating, Add	185.40	
	For Class 55 Rating, Add	412.08	
40 05 19 00-0296	EA 18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,919.48	891.98
	For Class 52 Rating, Deduct	-282.48	
	For Class 54 Rating, Add	192.60	
	For Class 55 Rating, Add	428.09	
40 05 19 00-0297	EA 18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,021.35	895.85
	For Class 52 Rating, Deduct	-293.04	
	For Class 54 Rating, Add	199.80	
	For Class 55 Rating, Add	444.09	
40 05 19 00-0298	EA 18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,123.21	899.73
	For Class 52 Rating, Deduct	-303.60	
	For Class 54 Rating, Add	207.00	
	For Class 55 Rating, Add	460.09	
40 05 19 00-0299	EA 18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,225.08	903.60
	For Class 52 Rating, Deduct	-314.16	
	For Class 54 Rating, Add	214.20	
	For Class 55 Rating, Add	476.10	
40 05 19 00-0300	EA 18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,326.95	907.46
	For Class 52 Rating, Deduct	-324.72	
	For Class 54 Rating, Add	221.40	
	For Class 55 Rating, Add	492.10	
40 05 19 00-0301	EA 18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,428.81	911.33
	For Class 52 Rating, Deduct	-335.28	
	For Class 54 Rating, Add	228.60	
	For Class 55 Rating, Add	508.10	
40 05 19 00-0302	EA 18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,530.68	915.21
	For Class 52 Rating, Deduct	-345.84	
	For Class 54 Rating, Add	235.80	
	For Class 55 Rating, Add	524.10	
40 05 19 00-0303	EA 18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,632.54	919.08
	For Class 52 Rating, Deduct	-356.40	
	For Class 54 Rating, Add	243.00	
	For Class 55 Rating, Add	540.11	
40 05 19 00-0304	EA 18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,734.41	922.95
	For Class 52 Rating, Deduct	-366.96	
	For Class 54 Rating, Add	250.20	
	For Class 55 Rating, Add	556.11	
40 05 19 00-0305	EA 18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,836.27	926.82
	For Class 52 Rating, Deduct	-377.52	
	For Class 54 Rating, Add	257.40	
	For Class 55 Rating, Add	572.11	
40 05 19 00-0306	EA 18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,938.14	930.70
	For Class 52 Rating, Deduct	-388.08	
	For Class 54 Rating, Add	264.60	
	For Class 55 Rating, Add	588.12	
40 05 19 00-0307	EA 18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,040.01	934.57
	For Class 52 Rating, Deduct	-398.64	
	For Class 54 Rating, Add	271.80	
	For Class 55 Rating, Add	604.12	
40 05 19 00-0308	EA 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,141.87	938.44
	For Class 52 Rating, Deduct	-409.20	
	For Class 54 Rating, Add	279.00	
	For Class 55 Rating, Add	620.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0309	EA		18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,243.74	942.31
			<i>For Class 52 Rating, Deduct</i>	-419.76	
			<i>For Class 54 Rating, Add</i>	286.20	
			<i>For Class 55 Rating, Add</i>	636.13	
40 05 19 00-0310	EA		18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,345.60	946.18
			<i>For Class 52 Rating, Deduct</i>	-430.32	
			<i>For Class 54 Rating, Add</i>	293.40	
			<i>For Class 55 Rating, Add</i>	652.13	
40 05 19 00-0311	EA		18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,447.47	950.05
			<i>For Class 52 Rating, Deduct</i>	-440.88	
			<i>For Class 54 Rating, Add</i>	300.60	
			<i>For Class 55 Rating, Add</i>	668.13	
40 05 19 00-0312	EA		18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,549.34	953.92
			<i>For Class 52 Rating, Deduct</i>	-451.44	
			<i>For Class 54 Rating, Add</i>	307.80	
			<i>For Class 55 Rating, Add</i>	684.14	
40 05 19 00-0313	EA		18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,651.20	957.79
			<i>For Class 52 Rating, Deduct</i>	-462.00	
			<i>For Class 54 Rating, Add</i>	315.00	
			<i>For Class 55 Rating, Add</i>	700.14	
40 05 19 00-0314	EA		18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,753.07	961.66
			<i>For Class 52 Rating, Deduct</i>	-472.56	
			<i>For Class 54 Rating, Add</i>	322.20	
			<i>For Class 55 Rating, Add</i>	716.14	
40 05 19 00-0315	EA		18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,854.93	965.54
			<i>For Class 52 Rating, Deduct</i>	-483.12	
			<i>For Class 54 Rating, Add</i>	329.40	
			<i>For Class 55 Rating, Add</i>	732.15	
40 05 19 00-0316	EA		18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,956.80	969.41
			<i>For Class 52 Rating, Deduct</i>	-493.68	
			<i>For Class 54 Rating, Add</i>	336.60	
			<i>For Class 55 Rating, Add</i>	748.15	
40 05 19 00-0317	EA		18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,058.66	973.28
			<i>For Class 52 Rating, Deduct</i>	-504.24	
			<i>For Class 54 Rating, Add</i>	343.80	
			<i>For Class 55 Rating, Add</i>	764.15	
40 05 19 00-0318	EA		18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,160.53	977.15
			<i>For Class 52 Rating, Deduct</i>	-514.80	
			<i>For Class 54 Rating, Add</i>	351.00	
			<i>For Class 55 Rating, Add</i>	780.16	
40 05 19 00-0319	EA		18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,262.40	981.03
			<i>For Class 52 Rating, Deduct</i>	-525.36	
			<i>For Class 54 Rating, Add</i>	358.20	
			<i>For Class 55 Rating, Add</i>	796.16	
40 05 19 00-0320			20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0321	EA		20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,896.06	956.24
			<i>For Class 52 Rating, Deduct</i>	-159.19	
			<i>For Class 54 Rating, Add</i>	108.54	
			<i>For Class 55 Rating, Add</i>	241.25	
40 05 19 00-0322	EA		20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,012.33	960.12
			<i>For Class 52 Rating, Deduct</i>	-171.34	
			<i>For Class 54 Rating, Add</i>	116.82	
			<i>For Class 55 Rating, Add</i>	259.65	
40 05 19 00-0323	EA		20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,128.59	963.99
			<i>For Class 52 Rating, Deduct</i>	-183.48	
			<i>For Class 54 Rating, Add</i>	125.10	
			<i>For Class 55 Rating, Add</i>	278.06	
40 05 19 00-0324	EA		20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,244.86	967.86
			<i>For Class 52 Rating, Deduct</i>	-195.62	
			<i>For Class 54 Rating, Add</i>	133.38	
			<i>For Class 55 Rating, Add</i>	296.46	
40 05 19 00-0325	EA		20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,361.12	971.73
			<i>For Class 52 Rating, Deduct</i>	-207.77	
			<i>For Class 54 Rating, Add</i>	141.66	
			<i>For Class 55 Rating, Add</i>	314.86	
40 05 19 00-0326	EA		20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,477.39	975.61
			<i>For Class 52 Rating, Deduct</i>	-219.91	
			<i>For Class 54 Rating, Add</i>	149.94	
			<i>For Class 55 Rating, Add</i>	333.27	
40 05 19 00-0327	EA		20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,593.66	979.48
			<i>For Class 52 Rating, Deduct</i>	-232.06	
			<i>For Class 54 Rating, Add</i>	158.22	
			<i>For Class 55 Rating, Add</i>	351.67	
40 05 19 00-0328	EA		20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,709.92	983.34
			<i>For Class 52 Rating, Deduct</i>	-244.20	
			<i>For Class 54 Rating, Add</i>	166.50	
			<i>For Class 55 Rating, Add</i>	370.07	
40 05 19 00-0329	EA		20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,826.19	987.21
			<i>For Class 52 Rating, Deduct</i>	-256.34	
			<i>For Class 54 Rating, Add</i>	174.78	
			<i>For Class 55 Rating, Add</i>	388.48	
40 05 19 00-0330	EA		20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,942.45	991.09
			<i>For Class 52 Rating, Deduct</i>	-268.49	
			<i>For Class 54 Rating, Add</i>	183.06	
			<i>For Class 55 Rating, Add</i>	406.88	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-0331	EA 20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,058.72	994.96
	For Class 52 Rating, Deduct	-280.63	
	For Class 54 Rating, Add	191.34	
	For Class 55 Rating, Add	425.29	
40 05 19 00-0332	EA 20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,174.98	998.83
	For Class 52 Rating, Deduct	-292.78	
	For Class 54 Rating, Add	199.62	
	For Class 55 Rating, Add	443.69	
40 05 19 00-0333	EA 20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,291.25	1,002.70
	For Class 52 Rating, Deduct	-304.92	
	For Class 54 Rating, Add	207.90	
	For Class 55 Rating, Add	462.09	
40 05 19 00-0334	EA 20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,407.52	1,006.58
	For Class 52 Rating, Deduct	-317.06	
	For Class 54 Rating, Add	216.18	
	For Class 55 Rating, Add	480.50	
40 05 19 00-0335	EA 20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,523.78	1,010.45
	For Class 52 Rating, Deduct	-329.21	
	For Class 54 Rating, Add	224.46	
	For Class 55 Rating, Add	498.90	
40 05 19 00-0336	EA 20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,640.05	1,014.32
	For Class 52 Rating, Deduct	-341.35	
	For Class 54 Rating, Add	232.74	
	For Class 55 Rating, Add	517.30	
40 05 19 00-0337	EA 20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,756.31	1,018.19
	For Class 52 Rating, Deduct	-353.50	
	For Class 54 Rating, Add	241.02	
	For Class 55 Rating, Add	535.71	
40 05 19 00-0338	EA 20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,872.58	1,022.05
	For Class 52 Rating, Deduct	-365.64	
	For Class 54 Rating, Add	249.30	
	For Class 55 Rating, Add	554.11	
40 05 19 00-0339	EA 20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,988.84	1,025.93
	For Class 52 Rating, Deduct	-377.78	
	For Class 54 Rating, Add	257.58	
	For Class 55 Rating, Add	572.51	
40 05 19 00-0340	EA 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,105.11	1,029.80
	For Class 52 Rating, Deduct	-389.93	
	For Class 54 Rating, Add	265.86	
	For Class 55 Rating, Add	590.92	
40 05 19 00-0341	EA 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,221.38	1,033.67
	For Class 52 Rating, Deduct	-402.07	
	For Class 54 Rating, Add	274.14	
	For Class 55 Rating, Add	609.32	
40 05 19 00-0342	EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,337.64	1,037.54
	For Class 52 Rating, Deduct	-414.22	
	For Class 54 Rating, Add	282.42	
	For Class 55 Rating, Add	627.73	
40 05 19 00-0343	EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,453.91	1,041.42
	For Class 52 Rating, Deduct	-426.36	
	For Class 54 Rating, Add	290.70	
	For Class 55 Rating, Add	646.13	
40 05 19 00-0344	EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,570.17	1,045.29
	For Class 52 Rating, Deduct	-438.50	
	For Class 54 Rating, Add	298.98	
	For Class 55 Rating, Add	664.53	
40 05 19 00-0345	EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,686.44	1,049.16
	For Class 52 Rating, Deduct	-450.65	
	For Class 54 Rating, Add	307.26	
	For Class 55 Rating, Add	682.94	
40 05 19 00-0346	EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,802.70	1,053.03
	For Class 52 Rating, Deduct	-462.79	
	For Class 54 Rating, Add	315.54	
	For Class 55 Rating, Add	701.34	
40 05 19 00-0347	EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,918.97	1,056.91
	For Class 52 Rating, Deduct	-474.94	
	For Class 54 Rating, Add	323.82	
	For Class 55 Rating, Add	719.74	
40 05 19 00-0348	EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,035.24	1,060.77
	For Class 52 Rating, Deduct	-487.08	
	For Class 54 Rating, Add	332.10	
	For Class 55 Rating, Add	738.15	
40 05 19 00-0349	EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,151.50	1,064.64
	For Class 52 Rating, Deduct	-499.22	
	For Class 54 Rating, Add	340.38	
	For Class 55 Rating, Add	756.55	
40 05 19 00-0350	EA 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,267.77	1,068.51
	For Class 52 Rating, Deduct	-511.37	
	For Class 54 Rating, Add	348.66	
	For Class 55 Rating, Add	774.95	
40 05 19 00-0351	EA 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,384.03	1,072.39
	For Class 52 Rating, Deduct	-523.51	
	For Class 54 Rating, Add	356.94	
	For Class 55 Rating, Add	793.36	
40 05 19 00-0352	EA 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,500.30	1,076.26
	For Class 52 Rating, Deduct	-535.66	
	For Class 54 Rating, Add	365.22	
	For Class 55 Rating, Add	811.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0353	EA		20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,616.56	1,080.13
			<i>For Class 52 Rating, Deduct</i>	-547.80	
			<i>For Class 54 Rating, Add</i>	373.50	
			<i>For Class 55 Rating, Add</i>	830.17	
40 05 19 00-0354	EA		20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,732.83	1,084.00
			<i>For Class 52 Rating, Deduct</i>	-559.94	
			<i>For Class 54 Rating, Add</i>	381.78	
			<i>For Class 55 Rating, Add</i>	848.57	
40 05 19 00-0355	EA		20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,849.10	1,087.88
			<i>For Class 52 Rating, Deduct</i>	-572.09	
			<i>For Class 54 Rating, Add</i>	390.06	
			<i>For Class 55 Rating, Add</i>	866.97	
40 05 19 00-0356	EA		20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,965.36	1,091.75
			<i>For Class 52 Rating, Deduct</i>	-584.23	
			<i>For Class 54 Rating, Add</i>	398.34	
			<i>For Class 55 Rating, Add</i>	885.38	
40 05 19 00-0357	EA		20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,081.63	1,095.62
			<i>For Class 52 Rating, Deduct</i>	-596.38	
			<i>For Class 54 Rating, Add</i>	406.62	
			<i>For Class 55 Rating, Add</i>	903.78	
40 05 19 00-0358	EA		20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,197.89	1,099.48
			<i>For Class 52 Rating, Deduct</i>	-608.52	
			<i>For Class 54 Rating, Add</i>	414.90	
			<i>For Class 55 Rating, Add</i>	922.18	
40 05 19 00-0359			24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0360	EA		24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,519.22	1,130.46
			<i>For Class 52 Rating, Deduct</i>	-198.70	
			<i>For Class 54 Rating, Add</i>	135.48	
			<i>For Class 55 Rating, Add</i>	301.13	
40 05 19 00-0361	EA		24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,661.88	1,134.34
			<i>For Class 52 Rating, Deduct</i>	-213.75	
			<i>For Class 54 Rating, Add</i>	145.74	
			<i>For Class 55 Rating, Add</i>	323.93	
40 05 19 00-0362	EA		24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,804.55	1,138.20
			<i>For Class 52 Rating, Deduct</i>	-228.80	
			<i>For Class 54 Rating, Add</i>	156.00	
			<i>For Class 55 Rating, Add</i>	346.74	
40 05 19 00-0363	EA		24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,947.22	1,142.07
			<i>For Class 52 Rating, Deduct</i>	-243.85	
			<i>For Class 54 Rating, Add</i>	166.26	
			<i>For Class 55 Rating, Add</i>	369.54	
40 05 19 00-0364	EA		24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,089.88	1,145.94
			<i>For Class 52 Rating, Deduct</i>	-258.90	
			<i>For Class 54 Rating, Add</i>	176.52	
			<i>For Class 55 Rating, Add</i>	392.35	
40 05 19 00-0365	EA		24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,232.55	1,149.82
			<i>For Class 52 Rating, Deduct</i>	-273.94	
			<i>For Class 54 Rating, Add</i>	186.78	
			<i>For Class 55 Rating, Add</i>	415.15	
40 05 19 00-0366	EA		24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,375.21	1,153.69
			<i>For Class 52 Rating, Deduct</i>	-288.99	
			<i>For Class 54 Rating, Add</i>	197.04	
			<i>For Class 55 Rating, Add</i>	437.95	
40 05 19 00-0367	EA		24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,517.88	1,157.56
			<i>For Class 52 Rating, Deduct</i>	-304.04	
			<i>For Class 54 Rating, Add</i>	207.30	
			<i>For Class 55 Rating, Add</i>	460.76	
40 05 19 00-0368	EA		24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,660.55	1,161.43
			<i>For Class 52 Rating, Deduct</i>	-319.09	
			<i>For Class 54 Rating, Add</i>	217.56	
			<i>For Class 55 Rating, Add</i>	483.56	
40 05 19 00-0369	EA		24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,803.21	1,165.31
			<i>For Class 52 Rating, Deduct</i>	-334.14	
			<i>For Class 54 Rating, Add</i>	227.82	
			<i>For Class 55 Rating, Add</i>	506.37	
40 05 19 00-0370	EA		24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,945.88	1,169.18
			<i>For Class 52 Rating, Deduct</i>	-349.18	
			<i>For Class 54 Rating, Add</i>	238.08	
			<i>For Class 55 Rating, Add</i>	529.17	
40 05 19 00-0371	EA		24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,088.54	1,173.05
			<i>For Class 52 Rating, Deduct</i>	-364.23	
			<i>For Class 54 Rating, Add</i>	248.34	
			<i>For Class 55 Rating, Add</i>	551.98	
40 05 19 00-0372	EA		24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,231.21	1,176.91
			<i>For Class 52 Rating, Deduct</i>	-379.28	
			<i>For Class 54 Rating, Add</i>	258.60	
			<i>For Class 55 Rating, Add</i>	574.78	
40 05 19 00-0373	EA		24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,373.87	1,180.79
			<i>For Class 52 Rating, Deduct</i>	-394.33	
			<i>For Class 54 Rating, Add</i>	268.86	
			<i>For Class 55 Rating, Add</i>	597.59	
40 05 19 00-0374	EA		24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,516.54	1,184.66
			<i>For Class 52 Rating, Deduct</i>	-409.38	
			<i>For Class 54 Rating, Add</i>	279.12	
			<i>For Class 55 Rating, Add</i>	620.39	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-0375	EA 24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,659.21	1,188.53
	For Class 52 Rating, Deduct	-424.42	
	For Class 54 Rating, Add	289.38	
	For Class 55 Rating, Add	643.20	
40 05 19 00-0376	EA 24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,801.87	1,192.40
	For Class 52 Rating, Deduct	-439.47	
	For Class 54 Rating, Add	299.64	
	For Class 55 Rating, Add	666.00	
40 05 19 00-0377	EA 24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,944.54	1,196.27
	For Class 52 Rating, Deduct	-454.52	
	For Class 54 Rating, Add	309.90	
	For Class 55 Rating, Add	688.80	
40 05 19 00-0378	EA 24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,087.20	1,200.15
	For Class 52 Rating, Deduct	-469.57	
	For Class 54 Rating, Add	320.16	
	For Class 55 Rating, Add	711.61	
40 05 19 00-0379	EA 24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,229.87	1,204.02
	For Class 52 Rating, Deduct	-484.62	
	For Class 54 Rating, Add	330.42	
	For Class 55 Rating, Add	734.41	
40 05 19 00-0380	EA 24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,372.53	1,207.89
	For Class 52 Rating, Deduct	-499.66	
	For Class 54 Rating, Add	340.68	
	For Class 55 Rating, Add	757.22	
40 05 19 00-0381	EA 24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,515.20	1,211.76
	For Class 52 Rating, Deduct	-514.71	
	For Class 54 Rating, Add	350.94	
	For Class 55 Rating, Add	780.02	
40 05 19 00-0382	EA 24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,657.87	1,215.63
	For Class 52 Rating, Deduct	-529.76	
	For Class 54 Rating, Add	361.20	
	For Class 55 Rating, Add	802.83	
40 05 19 00-0383	EA 24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,800.53	1,219.50
	For Class 52 Rating, Deduct	-544.81	
	For Class 54 Rating, Add	371.46	
	For Class 55 Rating, Add	825.63	
40 05 19 00-0384	EA 24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,943.20	1,223.37
	For Class 52 Rating, Deduct	-559.86	
	For Class 54 Rating, Add	381.72	
	For Class 55 Rating, Add	848.44	
40 05 19 00-0385	EA 24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,085.86	1,227.24
	For Class 52 Rating, Deduct	-574.90	
	For Class 54 Rating, Add	391.98	
	For Class 55 Rating, Add	871.24	
40 05 19 00-0386	EA 24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,228.53	1,231.12
	For Class 52 Rating, Deduct	-589.95	
	For Class 54 Rating, Add	402.24	
	For Class 55 Rating, Add	894.05	
40 05 19 00-0387	EA 24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,371.19	1,234.99
	For Class 52 Rating, Deduct	-605.00	
	For Class 54 Rating, Add	412.50	
	For Class 55 Rating, Add	916.85	
40 05 19 00-0388	EA 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,513.86	1,238.86
	For Class 52 Rating, Deduct	-620.05	
	For Class 54 Rating, Add	422.76	
	For Class 55 Rating, Add	939.65	
40 05 19 00-0389	EA 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,756.24	1,308.55
	For Class 52 Rating, Deduct	-635.10	
	For Class 54 Rating, Add	433.02	
	For Class 55 Rating, Add	962.46	
40 05 19 00-0390	EA 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,898.91	1,312.42
	For Class 52 Rating, Deduct	-650.14	
	For Class 54 Rating, Add	443.28	
	For Class 55 Rating, Add	985.26	
40 05 19 00-0391	EA 24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,041.58	1,316.29
	For Class 52 Rating, Deduct	-665.19	
	For Class 54 Rating, Add	453.54	
	For Class 55 Rating, Add	1,008.07	
40 05 19 00-0392	EA 24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,184.24	1,320.16
	For Class 52 Rating, Deduct	-680.24	
	For Class 54 Rating, Add	463.80	
	For Class 55 Rating, Add	1,030.87	
40 05 19 00-0393	EA 24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,326.91	1,324.04
	For Class 52 Rating, Deduct	-695.29	
	For Class 54 Rating, Add	474.06	
	For Class 55 Rating, Add	1,053.68	
40 05 19 00-0394	EA 24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,469.57	1,327.91
	For Class 52 Rating, Deduct	-710.34	
	For Class 54 Rating, Add	484.32	
	For Class 55 Rating, Add	1,076.48	
40 05 19 00-0395	EA 24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,612.24	1,331.77
	For Class 52 Rating, Deduct	-725.38	
	For Class 54 Rating, Add	494.58	
	For Class 55 Rating, Add	1,099.29	
40 05 19 00-0396	EA 24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,754.90	1,335.64
	For Class 52 Rating, Deduct	-740.43	
	For Class 54 Rating, Add	504.84	
	For Class 55 Rating, Add	1,122.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0397	EA		24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,897.57	1,339.52
			<i>For Class 52 Rating, Deduct</i>	-755.48	
			<i>For Class 54 Rating, Add</i>	515.10	
			<i>For Class 55 Rating, Add</i>	1,144.90	
40 05 19 00-0398			30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0399	EA		30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,288.72	1,595.04
			<i>For Class 52 Rating, Deduct</i>	-315.92	
			<i>For Class 54 Rating, Add</i>	215.40	
			<i>For Class 55 Rating, Add</i>	478.76	
40 05 19 00-0400	EA		30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,492.19	1,598.91
			<i>For Class 52 Rating, Deduct</i>	-337.66	
			<i>For Class 54 Rating, Add</i>	230.22	
			<i>For Class 55 Rating, Add</i>	511.70	
40 05 19 00-0401	EA		30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,695.65	1,602.77
			<i>For Class 52 Rating, Deduct</i>	-359.39	
			<i>For Class 54 Rating, Add</i>	245.04	
			<i>For Class 55 Rating, Add</i>	544.64	
40 05 19 00-0402	EA		30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,899.12	1,606.64
			<i>For Class 52 Rating, Deduct</i>	-381.13	
			<i>For Class 54 Rating, Add</i>	259.86	
			<i>For Class 55 Rating, Add</i>	577.58	
40 05 19 00-0403	EA		30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,102.58	1,610.52
			<i>For Class 52 Rating, Deduct</i>	-402.86	
			<i>For Class 54 Rating, Add</i>	274.68	
			<i>For Class 55 Rating, Add</i>	610.52	
40 05 19 00-0404	EA		30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,306.05	1,614.39
			<i>For Class 52 Rating, Deduct</i>	-424.60	
			<i>For Class 54 Rating, Add</i>	289.50	
			<i>For Class 55 Rating, Add</i>	643.46	
40 05 19 00-0405	EA		30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,509.51	1,618.26
			<i>For Class 52 Rating, Deduct</i>	-446.34	
			<i>For Class 54 Rating, Add</i>	304.32	
			<i>For Class 55 Rating, Add</i>	676.40	
40 05 19 00-0406	EA		30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,712.98	1,622.13
			<i>For Class 52 Rating, Deduct</i>	-468.07	
			<i>For Class 54 Rating, Add</i>	319.14	
			<i>For Class 55 Rating, Add</i>	709.34	
40 05 19 00-0407	EA		30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,916.45	1,626.01
			<i>For Class 52 Rating, Deduct</i>	-489.81	
			<i>For Class 54 Rating, Add</i>	333.96	
			<i>For Class 55 Rating, Add</i>	742.28	
40 05 19 00-0408	EA		30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,119.91	1,629.88
			<i>For Class 52 Rating, Deduct</i>	-511.54	
			<i>For Class 54 Rating, Add</i>	348.78	
			<i>For Class 55 Rating, Add</i>	775.22	
40 05 19 00-0409	EA		30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,323.38	1,633.75
			<i>For Class 52 Rating, Deduct</i>	-533.28	
			<i>For Class 54 Rating, Add</i>	363.60	
			<i>For Class 55 Rating, Add</i>	808.16	
40 05 19 00-0410	EA		30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,526.84	1,637.62
			<i>For Class 52 Rating, Deduct</i>	-555.02	
			<i>For Class 54 Rating, Add</i>	378.42	
			<i>For Class 55 Rating, Add</i>	841.10	
40 05 19 00-0411	EA		30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,730.31	1,641.49
			<i>For Class 52 Rating, Deduct</i>	-576.75	
			<i>For Class 54 Rating, Add</i>	393.24	
			<i>For Class 55 Rating, Add</i>	874.04	
40 05 19 00-0412	EA		30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,933.77	1,645.36
			<i>For Class 52 Rating, Deduct</i>	-598.49	
			<i>For Class 54 Rating, Add</i>	408.06	
			<i>For Class 55 Rating, Add</i>	906.98	
40 05 19 00-0413	EA		30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,137.24	1,649.23
			<i>For Class 52 Rating, Deduct</i>	-620.22	
			<i>For Class 54 Rating, Add</i>	422.88	
			<i>For Class 55 Rating, Add</i>	939.92	
40 05 19 00-0414	EA		30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,340.71	1,653.10
			<i>For Class 52 Rating, Deduct</i>	-641.96	
			<i>For Class 54 Rating, Add</i>	437.70	
			<i>For Class 55 Rating, Add</i>	972.86	
40 05 19 00-0415	EA		30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,544.17	1,656.98
			<i>For Class 52 Rating, Deduct</i>	-663.70	
			<i>For Class 54 Rating, Add</i>	452.52	
			<i>For Class 55 Rating, Add</i>	1,005.80	
40 05 19 00-0416	EA		30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,747.64	1,660.85
			<i>For Class 52 Rating, Deduct</i>	-685.43	
			<i>For Class 54 Rating, Add</i>	467.34	
			<i>For Class 55 Rating, Add</i>	1,038.74	
40 05 19 00-0417	EA		30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,951.10	1,664.72
			<i>For Class 52 Rating, Deduct</i>	-707.17	
			<i>For Class 54 Rating, Add</i>	482.16	
			<i>For Class 55 Rating, Add</i>	1,071.68	
40 05 19 00-0418	EA		30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,154.57	1,668.59
			<i>For Class 52 Rating, Deduct</i>	-728.90	
			<i>For Class 54 Rating, Add</i>	496.98	
			<i>For Class 55 Rating, Add</i>	1,104.62	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-0419	EA 30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,358.03	1,672.47
	For Class 52 Rating, Deduct	-750.64	
	For Class 54 Rating, Add	511.80	
	For Class 55 Rating, Add	1,137.56	
40 05 19 00-0420	EA 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,561.50	1,676.34
	For Class 52 Rating, Deduct	-772.38	
	For Class 54 Rating, Add	526.62	
	For Class 55 Rating, Add	1,170.50	
40 05 19 00-0421	EA 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,764.97	1,680.20
	For Class 52 Rating, Deduct	-794.11	
	For Class 54 Rating, Add	541.44	
	For Class 55 Rating, Add	1,203.44	
40 05 19 00-0422	EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,968.43	1,684.07
	For Class 52 Rating, Deduct	-815.85	
	For Class 54 Rating, Add	556.26	
	For Class 55 Rating, Add	1,236.38	
40 05 19 00-0423	EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,171.10	1,687.95
	For Class 52 Rating, Deduct	-837.50	
	For Class 54 Rating, Add	571.02	
	For Class 55 Rating, Add	1,269.19	
40 05 19 00-0424	EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,375.36	1,691.82
	For Class 52 Rating, Deduct	-859.32	
	For Class 54 Rating, Add	585.90	
	For Class 55 Rating, Add	1,302.26	
40 05 19 00-0425	EA 30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,578.83	1,695.69
	For Class 52 Rating, Deduct	-881.06	
	For Class 54 Rating, Add	600.72	
	For Class 55 Rating, Add	1,335.20	
40 05 19 00-0426	EA 30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,782.29	1,699.56
	For Class 52 Rating, Deduct	-902.79	
	For Class 54 Rating, Add	615.54	
	For Class 55 Rating, Add	1,368.14	
40 05 19 00-0427	EA 30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,985.76	1,703.44
	For Class 52 Rating, Deduct	-924.53	
	For Class 54 Rating, Add	630.36	
	For Class 55 Rating, Add	1,401.08	
40 05 19 00-0428	EA 30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,189.23	1,707.31
	For Class 52 Rating, Deduct	-946.26	
	For Class 54 Rating, Add	645.18	
	For Class 55 Rating, Add	1,434.02	
40 05 19 00-0429	EA 30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,392.69	1,711.18
	For Class 52 Rating, Deduct	-968.00	
	For Class 54 Rating, Add	660.00	
	For Class 55 Rating, Add	1,466.96	
40 05 19 00-0430	EA 30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,596.16	1,715.05
	For Class 52 Rating, Deduct	-989.74	
	For Class 54 Rating, Add	674.82	
	For Class 55 Rating, Add	1,499.90	
40 05 19 00-0431	EA 30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,799.62	1,718.91
	For Class 52 Rating, Deduct	-1,011.47	
	For Class 54 Rating, Add	689.64	
	For Class 55 Rating, Add	1,532.84	
40 05 19 00-0432	EA 30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,003.09	1,722.79
	For Class 52 Rating, Deduct	-1,033.21	
	For Class 54 Rating, Add	704.46	
	For Class 55 Rating, Add	1,565.78	
40 05 19 00-0433	EA 30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,206.55	1,726.66
	For Class 52 Rating, Deduct	-1,054.94	
	For Class 54 Rating, Add	719.28	
	For Class 55 Rating, Add	1,598.72	
40 05 19 00-0434	EA 30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,410.02	1,730.53
	For Class 52 Rating, Deduct	-1,076.68	
	For Class 54 Rating, Add	734.10	
	For Class 55 Rating, Add	1,631.66	
40 05 19 00-0435	EA 30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,613.49	1,734.40
	For Class 52 Rating, Deduct	-1,098.42	
	For Class 54 Rating, Add	748.92	
	For Class 55 Rating, Add	1,664.60	
40 05 19 00-0436	EA 30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,816.95	1,738.28
	For Class 52 Rating, Deduct	-1,120.15	
	For Class 54 Rating, Add	763.74	
	For Class 55 Rating, Add	1,697.54	

40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0438	EA 36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,171.55	2,020.90
	For Class 52 Rating, Deduct	-452.06	
	For Class 54 Rating, Add	308.22	
	For Class 55 Rating, Add	685.07	
40 05 19 00-0439	EA 36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,446.22	2,024.76
	For Class 52 Rating, Deduct	-481.62	
	For Class 54 Rating, Add	328.38	
	For Class 55 Rating, Add	729.88	
40 05 19 00-0440	EA 36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,720.88	2,028.63
	For Class 52 Rating, Deduct	-511.19	
	For Class 54 Rating, Add	348.54	
	For Class 55 Rating, Add	774.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0441	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,995.55	2,032.50
			<i>For Class 52 Rating, Deduct</i>	-540.76	
			<i>For Class 54 Rating, Add</i>	368.70	
			<i>For Class 55 Rating, Add</i>	819.50	
40 05 19 00-0442	EA		36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,270.21	2,036.38
			<i>For Class 52 Rating, Deduct</i>	-570.33	
			<i>For Class 54 Rating, Add</i>	388.86	
			<i>For Class 55 Rating, Add</i>	864.31	
40 05 19 00-0443	EA		36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,544.88	2,040.25
			<i>For Class 52 Rating, Deduct</i>	-599.90	
			<i>For Class 54 Rating, Add</i>	409.02	
			<i>For Class 55 Rating, Add</i>	909.12	
40 05 19 00-0444	EA		36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,819.55	2,044.12
			<i>For Class 52 Rating, Deduct</i>	-629.46	
			<i>For Class 54 Rating, Add</i>	429.18	
			<i>For Class 55 Rating, Add</i>	953.92	
40 05 19 00-0445	EA		36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,094.21	2,047.99
			<i>For Class 52 Rating, Deduct</i>	-659.03	
			<i>For Class 54 Rating, Add</i>	449.34	
			<i>For Class 55 Rating, Add</i>	998.73	
40 05 19 00-0446	EA		36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,368.88	2,051.86
			<i>For Class 52 Rating, Deduct</i>	-688.60	
			<i>For Class 54 Rating, Add</i>	469.50	
			<i>For Class 55 Rating, Add</i>	1,043.54	
40 05 19 00-0447	EA		36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,643.54	2,055.74
			<i>For Class 52 Rating, Deduct</i>	-718.17	
			<i>For Class 54 Rating, Add</i>	489.66	
			<i>For Class 55 Rating, Add</i>	1,088.35	
40 05 19 00-0448	EA		36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,918.21	2,059.61
			<i>For Class 52 Rating, Deduct</i>	-747.74	
			<i>For Class 54 Rating, Add</i>	509.82	
			<i>For Class 55 Rating, Add</i>	1,133.16	
40 05 19 00-0449	EA		36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,192.88	2,063.47
			<i>For Class 52 Rating, Deduct</i>	-777.30	
			<i>For Class 54 Rating, Add</i>	529.98	
			<i>For Class 55 Rating, Add</i>	1,177.97	
40 05 19 00-0450	EA		36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,467.54	2,067.34
			<i>For Class 52 Rating, Deduct</i>	-806.87	
			<i>For Class 54 Rating, Add</i>	550.14	
			<i>For Class 55 Rating, Add</i>	1,222.78	
40 05 19 00-0451	EA		36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,742.21	2,071.22
			<i>For Class 52 Rating, Deduct</i>	-836.44	
			<i>For Class 54 Rating, Add</i>	570.30	
			<i>For Class 55 Rating, Add</i>	1,267.59	
40 05 19 00-0452	EA		36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,016.88	2,075.09
			<i>For Class 52 Rating, Deduct</i>	-866.01	
			<i>For Class 54 Rating, Add</i>	590.46	
			<i>For Class 55 Rating, Add</i>	1,312.40	
40 05 19 00-0453	EA		36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,291.55	2,078.96
			<i>For Class 52 Rating, Deduct</i>	-895.58	
			<i>For Class 54 Rating, Add</i>	610.62	
			<i>For Class 55 Rating, Add</i>	1,357.20	
40 05 19 00-0454	EA		36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,566.21	2,082.83
			<i>For Class 52 Rating, Deduct</i>	-925.14	
			<i>For Class 54 Rating, Add</i>	630.78	
			<i>For Class 55 Rating, Add</i>	1,402.01	
40 05 19 00-0455	EA		36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,840.88	2,086.71
			<i>For Class 52 Rating, Deduct</i>	-954.71	
			<i>For Class 54 Rating, Add</i>	650.94	
			<i>For Class 55 Rating, Add</i>	1,446.82	
40 05 19 00-0456	EA		36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,115.55	2,090.58
			<i>For Class 52 Rating, Deduct</i>	-984.28	
			<i>For Class 54 Rating, Add</i>	671.10	
			<i>For Class 55 Rating, Add</i>	1,491.63	
40 05 19 00-0457	EA		36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,390.21	2,094.45
			<i>For Class 52 Rating, Deduct</i>	-1,013.85	
			<i>For Class 54 Rating, Add</i>	691.26	
			<i>For Class 55 Rating, Add</i>	1,536.44	
40 05 19 00-0458	EA		36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,664.88	2,098.32
			<i>For Class 52 Rating, Deduct</i>	-1,043.42	
			<i>For Class 54 Rating, Add</i>	711.42	
			<i>For Class 55 Rating, Add</i>	1,581.25	
40 05 19 00-0459	EA		36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,939.54	2,102.19
			<i>For Class 52 Rating, Deduct</i>	-1,072.98	
			<i>For Class 54 Rating, Add</i>	731.58	
			<i>For Class 55 Rating, Add</i>	1,626.06	
40 05 19 00-0460	EA		36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,214.21	2,106.06
			<i>For Class 52 Rating, Deduct</i>	-1,102.55	
			<i>For Class 54 Rating, Add</i>	751.74	
			<i>For Class 55 Rating, Add</i>	1,670.87	
40 05 19 00-0461	EA		36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,488.87	2,109.93
			<i>For Class 52 Rating, Deduct</i>	-1,132.12	
			<i>For Class 54 Rating, Add</i>	771.90	
			<i>For Class 55 Rating, Add</i>	1,715.68	
40 05 19 00-0462	EA		36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,763.54	2,113.80
			<i>For Class 52 Rating, Deduct</i>	-1,161.69	
			<i>For Class 54 Rating, Add</i>	792.06	
			<i>For Class 55 Rating, Add</i>	1,760.49	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0463	EA 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,038.21	2,117.68
	For Class 52 Rating, Deduct	-1,191.26	
	For Class 54 Rating, Add	812.22	
	For Class 55 Rating, Add	1,805.29	
40 05 19 00-0464	EA 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,312.87	2,121.55
	For Class 52 Rating, Deduct	-1,220.82	
	For Class 54 Rating, Add	832.38	
	For Class 55 Rating, Add	1,850.10	
40 05 19 00-0465	EA 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,587.54	2,125.42
	For Class 52 Rating, Deduct	-1,250.39	
	For Class 54 Rating, Add	852.54	
	For Class 55 Rating, Add	1,894.91	
40 05 19 00-0466	EA 36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,862.20	2,129.29
	For Class 52 Rating, Deduct	-1,279.96	
	For Class 54 Rating, Add	872.70	
	For Class 55 Rating, Add	1,939.72	
40 05 19 00-0467	EA 36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,136.87	2,133.17
	For Class 52 Rating, Deduct	-1,309.53	
	For Class 54 Rating, Add	892.86	
	For Class 55 Rating, Add	1,984.53	
40 05 19 00-0468	EA 36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,411.53	2,137.04
	For Class 52 Rating, Deduct	-1,339.10	
	For Class 54 Rating, Add	913.02	
	For Class 55 Rating, Add	2,029.34	
40 05 19 00-0469	EA 36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,686.20	2,140.90
	For Class 52 Rating, Deduct	-1,368.66	
	For Class 54 Rating, Add	933.18	
	For Class 55 Rating, Add	2,074.15	
40 05 19 00-0470	EA 36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,960.87	2,144.77
	For Class 52 Rating, Deduct	-1,398.23	
	For Class 54 Rating, Add	953.34	
	For Class 55 Rating, Add	2,118.96	
40 05 19 00-0471	EA 36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,235.53	2,148.65
	For Class 52 Rating, Deduct	-1,427.80	
	For Class 54 Rating, Add	973.50	
	For Class 55 Rating, Add	2,163.77	
40 05 19 00-0472	EA 36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,510.20	2,152.52
	For Class 52 Rating, Deduct	-1,457.37	
	For Class 54 Rating, Add	993.66	
	For Class 55 Rating, Add	2,208.57	
40 05 19 00-0473	EA 36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,784.86	2,156.39
	For Class 52 Rating, Deduct	-1,486.94	
	For Class 54 Rating, Add	1,013.82	
	For Class 55 Rating, Add	2,253.38	
40 05 19 00-0474	EA 36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,059.53	2,160.26
	For Class 52 Rating, Deduct	-1,516.50	
	For Class 54 Rating, Add	1,033.98	
	For Class 55 Rating, Add	2,298.19	
40 05 19 00-0475	EA 36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,334.19	2,164.14
	For Class 52 Rating, Deduct	-1,546.07	
	For Class 54 Rating, Add	1,054.14	
	For Class 55 Rating, Add	2,343.00	

40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0477	EA 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,342.10	2,547.41
	For Class 52 Rating, Deduct	-603.06	
	For Class 54 Rating, Add	411.18	
	For Class 55 Rating, Add	913.92	
40 05 19 00-0478	EA 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,749.57	2,551.28
	For Class 52 Rating, Deduct	-647.24	
	For Class 54 Rating, Add	441.30	
	For Class 55 Rating, Add	980.86	
40 05 19 00-0479	EA 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,152.24	2,555.15
	For Class 52 Rating, Deduct	-690.89	
	For Class 54 Rating, Add	471.06	
	For Class 55 Rating, Add	1,047.01	
40 05 19 00-0480	EA 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,558.90	2,559.02
	For Class 52 Rating, Deduct	-734.98	
	For Class 54 Rating, Add	501.12	
	For Class 55 Rating, Add	1,113.82	
40 05 19 00-0481	EA 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,961.57	2,562.90
	For Class 52 Rating, Deduct	-778.62	
	For Class 54 Rating, Add	530.88	
	For Class 55 Rating, Add	1,179.97	
40 05 19 00-0482	EA 42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,369.03	2,566.76
	For Class 52 Rating, Deduct	-822.80	
	For Class 54 Rating, Add	561.00	
	For Class 55 Rating, Add	1,246.92	
40 05 19 00-0483	EA 42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,770.90	2,570.63
	For Class 52 Rating, Deduct	-866.36	
	For Class 54 Rating, Add	590.70	
	For Class 55 Rating, Add	1,312.93	
40 05 19 00-0484	EA 42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,178.36	2,574.50
	For Class 52 Rating, Deduct	-910.54	
	For Class 54 Rating, Add	620.82	
	For Class 55 Rating, Add	1,379.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0485	EA		42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,581.03	2,578.38
			<i>For Class 52 Rating, Deduct</i>	-954.18	
			<i>For Class 54 Rating, Add</i>	650.58	
			<i>For Class 55 Rating, Add</i>	1,446.02	
40 05 19 00-0486	EA		42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,987.70	2,582.25
			<i>For Class 52 Rating, Deduct</i>	-998.27	
			<i>For Class 54 Rating, Add</i>	680.64	
			<i>For Class 55 Rating, Add</i>	1,512.84	
40 05 19 00-0487	EA		42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,390.36	2,586.12
			<i>For Class 52 Rating, Deduct</i>	-1,041.92	
			<i>For Class 54 Rating, Add</i>	710.40	
			<i>For Class 55 Rating, Add</i>	1,578.98	
40 05 19 00-0488	EA		42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,797.03	2,589.99
			<i>For Class 52 Rating, Deduct</i>	-1,086.01	
			<i>For Class 54 Rating, Add</i>	740.46	
			<i>For Class 55 Rating, Add</i>	1,645.80	
40 05 19 00-0489	EA		42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,199.69	2,593.87
			<i>For Class 52 Rating, Deduct</i>	-1,129.66	
			<i>For Class 54 Rating, Add</i>	770.22	
			<i>For Class 55 Rating, Add</i>	1,711.94	
40 05 19 00-0490	EA		42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,603.16	2,597.74
			<i>For Class 52 Rating, Deduct</i>	-1,173.39	
			<i>For Class 54 Rating, Add</i>	800.04	
			<i>For Class 55 Rating, Add</i>	1,778.22	
40 05 19 00-0491	EA		42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,009.02	2,601.61
			<i>For Class 52 Rating, Deduct</i>	-1,217.39	
			<i>For Class 54 Rating, Add</i>	830.04	
			<i>For Class 55 Rating, Add</i>	1,844.90	
40 05 19 00-0492	EA		42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,411.69	2,605.47
			<i>For Class 52 Rating, Deduct</i>	-1,261.04	
			<i>For Class 54 Rating, Add</i>	859.80	
			<i>For Class 55 Rating, Add</i>	1,911.05	
40 05 19 00-0493	EA		42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,819.16	2,609.35
			<i>For Class 52 Rating, Deduct</i>	-1,305.22	
			<i>For Class 54 Rating, Add</i>	889.92	
			<i>For Class 55 Rating, Add</i>	1,978.00	
40 05 19 00-0494	EA		42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,221.82	2,613.22
			<i>For Class 52 Rating, Deduct</i>	-1,348.86	
			<i>For Class 54 Rating, Add</i>	919.68	
			<i>For Class 55 Rating, Add</i>	2,044.14	
40 05 19 00-0495	EA		42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,628.49	2,617.09
			<i>For Class 52 Rating, Deduct</i>	-1,392.95	
			<i>For Class 54 Rating, Add</i>	949.74	
			<i>For Class 55 Rating, Add</i>	2,110.96	
40 05 19 00-0496	EA		42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,031.15	2,620.96
			<i>For Class 52 Rating, Deduct</i>	-1,436.60	
			<i>For Class 54 Rating, Add</i>	979.50	
			<i>For Class 55 Rating, Add</i>	2,177.10	
40 05 19 00-0497	EA		42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,438.62	2,624.84
			<i>For Class 52 Rating, Deduct</i>	-1,480.78	
			<i>For Class 54 Rating, Add</i>	1,009.62	
			<i>For Class 55 Rating, Add</i>	2,244.05	
40 05 19 00-0498	EA		42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,841.28	2,628.71
			<i>For Class 52 Rating, Deduct</i>	-1,524.42	
			<i>For Class 54 Rating, Add</i>	1,039.38	
			<i>For Class 55 Rating, Add</i>	2,310.20	
40 05 19 00-0499	EA		42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,247.95	2,632.58
			<i>For Class 52 Rating, Deduct</i>	-1,568.51	
			<i>For Class 54 Rating, Add</i>	1,069.44	
			<i>For Class 55 Rating, Add</i>	2,377.01	
40 05 19 00-0500	EA		42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,650.62	2,636.45
			<i>For Class 52 Rating, Deduct</i>	-1,612.16	
			<i>For Class 54 Rating, Add</i>	1,099.20	
			<i>For Class 55 Rating, Add</i>	2,443.16	
40 05 19 00-0501	EA		42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,058.08	2,640.33
			<i>For Class 52 Rating, Deduct</i>	-1,656.34	
			<i>For Class 54 Rating, Add</i>	1,129.32	
			<i>For Class 55 Rating, Add</i>	2,510.10	
40 05 19 00-0502	EA		42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,460.75	2,644.19
			<i>For Class 52 Rating, Deduct</i>	-1,699.98	
			<i>For Class 54 Rating, Add</i>	1,159.08	
			<i>For Class 55 Rating, Add</i>	2,576.25	
40 05 19 00-0503	EA		42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,866.61	2,648.06
			<i>For Class 52 Rating, Deduct</i>	-1,743.98	
			<i>For Class 54 Rating, Add</i>	1,189.08	
			<i>For Class 55 Rating, Add</i>	2,642.93	
40 05 19 00-0504	EA		42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	20,270.08	2,651.93
			<i>For Class 52 Rating, Deduct</i>	-1,787.72	
			<i>For Class 54 Rating, Add</i>	1,218.90	
			<i>For Class 55 Rating, Add</i>	2,709.21	
40 05 19 00-0505	EA		42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	20,592.75	2,655.81
			<i>For Class 52 Rating, Deduct</i>	-1,822.57	
			<i>For Class 54 Rating, Add</i>	1,242.66	
			<i>For Class 55 Rating, Add</i>	2,762.02	
40 05 19 00-0506	EA		42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	21,079.41	2,659.68
			<i>For Class 52 Rating, Deduct</i>	-1,875.46	
			<i>For Class 54 Rating, Add</i>	1,278.72	
			<i>For Class 55 Rating, Add</i>	2,842.17	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0507	EA		42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,482.08	2,663.55
			For Class 52 Rating, Deduct	-1,919.10	
			For Class 54 Rating, Add	1,308.48	
			For Class 55 Rating, Add	2,908.31	
40 05 19 00-0508	EA		42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,888.74	2,667.42
			For Class 52 Rating, Deduct	-1,963.19	
			For Class 54 Rating, Add	1,338.54	
			For Class 55 Rating, Add	2,975.13	
40 05 19 00-0509	EA		42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,291.42	2,671.30
			For Class 52 Rating, Deduct	-2,006.84	
			For Class 54 Rating, Add	1,368.30	
			For Class 55 Rating, Add	3,041.27	
40 05 19 00-0510	EA		42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,698.88	2,675.17
			For Class 52 Rating, Deduct	-2,051.02	
			For Class 54 Rating, Add	1,398.42	
			For Class 55 Rating, Add	3,108.22	
40 05 19 00-0511	EA		42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,100.75	2,679.03
			For Class 52 Rating, Deduct	-2,094.58	
			For Class 54 Rating, Add	1,428.12	
			For Class 55 Rating, Add	3,174.23	
40 05 19 00-0512	EA		42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,508.22	2,682.90
			For Class 52 Rating, Deduct	-2,138.75	
			For Class 54 Rating, Add	1,458.24	
			For Class 55 Rating, Add	3,241.18	
40 05 19 00-0513	EA		42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,910.88	2,686.78
			For Class 52 Rating, Deduct	-2,182.40	
			For Class 54 Rating, Add	1,488.00	
			For Class 55 Rating, Add	3,307.33	
40 05 19 00-0514	EA		42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,317.55	2,690.65
			For Class 52 Rating, Deduct	-2,226.49	
			For Class 54 Rating, Add	1,518.06	
			For Class 55 Rating, Add	3,374.14	
40 05 19 00-0515			48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0516	EA		48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,724.63	3,201.68
			For Class 52 Rating, Deduct	-756.10	
			For Class 54 Rating, Add	515.52	
			For Class 55 Rating, Add	1,145.83	
40 05 19 00-0517	EA		48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,315.29	3,205.55
			For Class 52 Rating, Deduct	-820.42	
			For Class 54 Rating, Add	559.38	
			For Class 55 Rating, Add	1,243.32	
40 05 19 00-0518	EA		48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,905.16	3,209.43
			For Class 52 Rating, Deduct	-884.66	
			For Class 54 Rating, Add	603.18	
			For Class 55 Rating, Add	1,340.67	
40 05 19 00-0519	EA		48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,499.82	3,213.30
			For Class 52 Rating, Deduct	-949.43	
			For Class 54 Rating, Add	647.34	
			For Class 55 Rating, Add	1,438.82	
40 05 19 00-0520	EA		48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,090.49	3,217.17
			For Class 52 Rating, Deduct	-1,013.76	
			For Class 54 Rating, Add	691.20	
			For Class 55 Rating, Add	1,536.31	
40 05 19 00-0521	EA		48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,681.15	3,221.03
			For Class 52 Rating, Deduct	-1,078.09	
			For Class 54 Rating, Add	735.06	
			For Class 55 Rating, Add	1,633.79	
40 05 19 00-0522	EA		48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,275.02	3,224.91
			For Class 52 Rating, Deduct	-1,142.77	
			For Class 54 Rating, Add	779.16	
			For Class 55 Rating, Add	1,731.81	
40 05 19 00-0523	EA		48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,866.49	3,228.78
			For Class 52 Rating, Deduct	-1,207.18	
			For Class 54 Rating, Add	823.08	
			For Class 55 Rating, Add	1,829.43	
40 05 19 00-0524	EA		48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,456.35	3,232.65
			For Class 52 Rating, Deduct	-1,271.42	
			For Class 54 Rating, Add	866.88	
			For Class 55 Rating, Add	1,926.79	
40 05 19 00-0525	EA		48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,051.02	3,236.52
			For Class 52 Rating, Deduct	-1,336.19	
			For Class 54 Rating, Add	911.04	
			For Class 55 Rating, Add	2,024.94	
40 05 19 00-0526	EA		48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,641.68	3,240.39
			For Class 52 Rating, Deduct	-1,400.52	
			For Class 54 Rating, Add	954.90	
			For Class 55 Rating, Add	2,122.42	
40 05 19 00-0527	EA		48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,236.35	3,244.27
			For Class 52 Rating, Deduct	-1,465.29	
			For Class 54 Rating, Add	999.06	
			For Class 55 Rating, Add	2,220.58	
40 05 19 00-0528	EA		48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,826.22	3,248.14
			For Class 52 Rating, Deduct	-1,529.53	
			For Class 54 Rating, Add	1,042.86	
			For Class 55 Rating, Add	2,317.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0529	EA		48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,416.88	3,252.01
			<i>For Class 52 Rating, Deduct</i>	-1,593.86	
			<i>For Class 54 Rating, Add</i>	1,086.72	
			<i>For Class 55 Rating, Add</i>	2,415.42	
40 05 19 00-0530	EA		48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,011.55	3,255.88
			<i>For Class 52 Rating, Deduct</i>	-1,658.62	
			<i>For Class 54 Rating, Add</i>	1,130.88	
			<i>For Class 55 Rating, Add</i>	2,513.57	
40 05 19 00-0531	EA		48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,602.22	3,259.75
			<i>For Class 52 Rating, Deduct</i>	-1,722.95	
			<i>For Class 54 Rating, Add</i>	1,174.74	
			<i>For Class 55 Rating, Add</i>	2,611.06	
40 05 19 00-0532	EA		48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,192.09	3,263.62
			<i>For Class 52 Rating, Deduct</i>	-1,787.19	
			<i>For Class 54 Rating, Add</i>	1,218.54	
			<i>For Class 55 Rating, Add</i>	2,708.41	
40 05 19 00-0533	EA		48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,786.75	3,267.49
			<i>For Class 52 Rating, Deduct</i>	-1,851.96	
			<i>For Class 54 Rating, Add</i>	1,262.70	
			<i>For Class 55 Rating, Add</i>	2,806.56	
40 05 19 00-0534	EA		48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,377.42	3,271.36
			<i>For Class 52 Rating, Deduct</i>	-1,916.29	
			<i>For Class 54 Rating, Add</i>	1,306.56	
			<i>For Class 55 Rating, Add</i>	2,904.05	
40 05 19 00-0535	EA		48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,967.29	3,275.24
			<i>For Class 52 Rating, Deduct</i>	-1,980.53	
			<i>For Class 54 Rating, Add</i>	1,350.36	
			<i>For Class 55 Rating, Add</i>	3,001.40	
40 05 19 00-0536	EA		48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,561.95	3,279.11
			<i>For Class 52 Rating, Deduct</i>	-2,045.30	
			<i>For Class 54 Rating, Add</i>	1,394.52	
			<i>For Class 55 Rating, Add</i>	3,099.55	
40 05 19 00-0537	EA		48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,153.42	3,282.98
			<i>For Class 52 Rating, Deduct</i>	-2,109.71	
			<i>For Class 54 Rating, Add</i>	1,438.44	
			<i>For Class 55 Rating, Add</i>	3,197.17	
40 05 19 00-0538	EA		48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,743.28	3,286.85
			<i>For Class 52 Rating, Deduct</i>	-2,173.95	
			<i>For Class 54 Rating, Add</i>	1,482.24	
			<i>For Class 55 Rating, Add</i>	3,294.53	
40 05 19 00-0539	EA		48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,337.95	3,290.73
			<i>For Class 52 Rating, Deduct</i>	-2,238.72	
			<i>For Class 54 Rating, Add</i>	1,526.40	
			<i>For Class 55 Rating, Add</i>	3,392.68	
40 05 19 00-0540	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,928.61	3,294.60
			<i>For Class 52 Rating, Deduct</i>	-2,303.05	
			<i>For Class 54 Rating, Add</i>	1,570.26	
			<i>For Class 55 Rating, Add</i>	3,490.16	
40 05 19 00-0541	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,518.48	3,298.46
			<i>For Class 52 Rating, Deduct</i>	-2,367.29	
			<i>For Class 54 Rating, Add</i>	1,614.06	
			<i>For Class 55 Rating, Add</i>	3,587.52	
40 05 19 00-0542	EA		48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,113.15	3,302.33
			<i>For Class 52 Rating, Deduct</i>	-2,432.06	
			<i>For Class 54 Rating, Add</i>	1,658.22	
			<i>For Class 55 Rating, Add</i>	3,685.67	
40 05 19 00-0543	EA		48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,703.81	3,306.21
			<i>For Class 52 Rating, Deduct</i>	-2,496.38	
			<i>For Class 54 Rating, Add</i>	1,702.08	
			<i>For Class 55 Rating, Add</i>	3,783.16	
40 05 19 00-0544	EA		48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,222.48	3,310.08
			<i>For Class 52 Rating, Deduct</i>	-2,552.79	
			<i>For Class 54 Rating, Add</i>	1,740.54	
			<i>For Class 55 Rating, Add</i>	3,868.64	
40 05 19 00-0545	EA		48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,889.14	3,313.95
			<i>For Class 52 Rating, Deduct</i>	-2,625.48	
			<i>For Class 54 Rating, Add</i>	1,790.10	
			<i>For Class 55 Rating, Add</i>	3,978.80	
40 05 19 00-0546	EA		48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,479.01	3,317.82
			<i>For Class 52 Rating, Deduct</i>	-2,689.72	
			<i>For Class 54 Rating, Add</i>	1,833.90	
			<i>For Class 55 Rating, Add</i>	4,076.15	
40 05 19 00-0547	EA		48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,074.47	3,321.70
			<i>For Class 52 Rating, Deduct</i>	-2,754.58	
			<i>For Class 54 Rating, Add</i>	1,878.12	
			<i>For Class 55 Rating, Add</i>	4,174.43	
40 05 19 00-0548	EA		48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,664.34	3,325.57
			<i>For Class 52 Rating, Deduct</i>	-2,818.82	
			<i>For Class 54 Rating, Add</i>	1,921.92	
			<i>For Class 55 Rating, Add</i>	4,271.79	
40 05 19 00-0549	EA		48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,254.21	3,329.44
			<i>For Class 52 Rating, Deduct</i>	-2,883.06	
			<i>For Class 54 Rating, Add</i>	1,965.72	
			<i>For Class 55 Rating, Add</i>	4,369.14	
40 05 19 00-0550	EA		48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,849.67	3,333.31
			<i>For Class 52 Rating, Deduct</i>	-2,947.91	
			<i>For Class 54 Rating, Add</i>	2,009.94	
			<i>For Class 55 Rating, Add</i>	4,467.43	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0551	EA		48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,439.54	3,337.18
			<i>For Class 52 Rating, Deduct</i>	-3,012.15	
			<i>For Class 54 Rating, Add</i>	2,053.74	
			<i>For Class 55 Rating, Add</i>	4,564.78	
40 05 19 00-0552	EA		48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,030.20	3,341.05
			<i>For Class 52 Rating, Deduct</i>	-3,076.48	
			<i>For Class 54 Rating, Add</i>	2,097.60	
			<i>For Class 55 Rating, Add</i>	4,662.27	
40 05 19 00-0553	EA		48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,624.87	3,344.92
			<i>For Class 52 Rating, Deduct</i>	-3,141.25	
			<i>For Class 54 Rating, Add</i>	2,141.76	
			<i>For Class 55 Rating, Add</i>	4,760.42	
40 05 19 00-0554			Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-0555			4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0556	EA		4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	404.42	177.16
			<i>For Class 52 Rating, Deduct</i>	-14.96	
			<i>For Class 54 Rating, Add</i>	10.20	
			<i>For Class 55 Rating, Add</i>	22.67	
40 05 19 00-0557	EA		4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	429.91	180.26
			<i>For Class 52 Rating, Deduct</i>	-17.25	
			<i>For Class 54 Rating, Add</i>	11.76	
			<i>For Class 55 Rating, Add</i>	26.14	
40 05 19 00-0558	EA		4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	455.40	183.36
			<i>For Class 52 Rating, Deduct</i>	-19.54	
			<i>For Class 54 Rating, Add</i>	13.32	
			<i>For Class 55 Rating, Add</i>	29.61	
40 05 19 00-0559	EA		4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	480.90	186.46
			<i>For Class 52 Rating, Deduct</i>	-21.82	
			<i>For Class 54 Rating, Add</i>	14.88	
			<i>For Class 55 Rating, Add</i>	33.07	
40 05 19 00-0560	EA		4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	506.39	189.54
			<i>For Class 52 Rating, Deduct</i>	-24.11	
			<i>For Class 54 Rating, Add</i>	16.44	
			<i>For Class 55 Rating, Add</i>	36.54	
40 05 19 00-0561	EA		4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	531.88	192.64
			<i>For Class 52 Rating, Deduct</i>	-26.40	
			<i>For Class 54 Rating, Add</i>	18.00	
			<i>For Class 55 Rating, Add</i>	40.01	
40 05 19 00-0562	EA		4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	557.37	195.74
			<i>For Class 52 Rating, Deduct</i>	-28.69	
			<i>For Class 54 Rating, Add</i>	19.56	
			<i>For Class 55 Rating, Add</i>	43.48	
40 05 19 00-0563	EA		4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	582.86	198.84
			<i>For Class 52 Rating, Deduct</i>	-30.98	
			<i>For Class 54 Rating, Add</i>	21.12	
			<i>For Class 55 Rating, Add</i>	46.94	
40 05 19 00-0564	EA		4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	608.37	201.93
			<i>For Class 52 Rating, Deduct</i>	-33.26	
			<i>For Class 54 Rating, Add</i>	22.68	
			<i>For Class 55 Rating, Add</i>	50.41	
40 05 19 00-0565	EA		4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	633.86	205.03
			<i>For Class 52 Rating, Deduct</i>	-35.55	
			<i>For Class 54 Rating, Add</i>	24.24	
			<i>For Class 55 Rating, Add</i>	53.88	
40 05 19 00-0566	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	659.35	208.13
			<i>For Class 52 Rating, Deduct</i>	-37.84	
			<i>For Class 54 Rating, Add</i>	25.80	
			<i>For Class 55 Rating, Add</i>	57.34	
40 05 19 00-0567	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	684.84	211.23
			<i>For Class 52 Rating, Deduct</i>	-40.13	
			<i>For Class 54 Rating, Add</i>	27.36	
			<i>For Class 55 Rating, Add</i>	60.81	
40 05 19 00-0568	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	710.33	214.33
			<i>For Class 52 Rating, Deduct</i>	-42.42	
			<i>For Class 54 Rating, Add</i>	28.92	
			<i>For Class 55 Rating, Add</i>	64.28	
40 05 19 00-0569	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	735.83	217.42
			<i>For Class 52 Rating, Deduct</i>	-44.70	
			<i>For Class 54 Rating, Add</i>	30.48	
			<i>For Class 55 Rating, Add</i>	67.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0570	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	761.32	220.52
			For Class 52 Rating, Deduct	-46.99	
			For Class 54 Rating, Add	32.04	
			For Class 55 Rating, Add	71.21	
40 05 19 00-0571	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	786.81	223.62
			For Class 52 Rating, Deduct	-49.28	
			For Class 54 Rating, Add	33.60	
			For Class 55 Rating, Add	74.68	
40 05 19 00-0572	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	812.30	226.72
			For Class 52 Rating, Deduct	-51.57	
			For Class 54 Rating, Add	35.16	
			For Class 55 Rating, Add	78.15	
40 05 19 00-0573	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	837.79	229.81
			For Class 52 Rating, Deduct	-53.86	
			For Class 54 Rating, Add	36.72	
			For Class 55 Rating, Add	81.62	
40 05 19 00-0574	EA		4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	863.29	232.90
			For Class 52 Rating, Deduct	-56.14	
			For Class 54 Rating, Add	38.28	
			For Class 55 Rating, Add	85.08	
40 05 19 00-0575	EA		4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	888.78	236.00
			For Class 52 Rating, Deduct	-58.43	
			For Class 54 Rating, Add	39.84	
			For Class 55 Rating, Add	88.55	
40 05 19 00-0576	EA		4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	914.27	239.10
			For Class 52 Rating, Deduct	-60.72	
			For Class 54 Rating, Add	41.40	
			For Class 55 Rating, Add	92.02	
40 05 19 00-0577	EA		4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	939.76	242.20
			For Class 52 Rating, Deduct	-63.01	
			For Class 54 Rating, Add	42.96	
			For Class 55 Rating, Add	95.49	
40 05 19 00-0578	EA		4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	965.25	245.30
			For Class 52 Rating, Deduct	-65.30	
			For Class 54 Rating, Add	44.52	
			For Class 55 Rating, Add	98.95	
40 05 19 00-0579	EA		4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	990.75	248.39
			For Class 52 Rating, Deduct	-67.58	
			For Class 54 Rating, Add	46.08	
			For Class 55 Rating, Add	102.42	
40 05 19 00-0580	EA		4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,016.24	251.49
			For Class 52 Rating, Deduct	-69.87	
			For Class 54 Rating, Add	47.64	
			For Class 55 Rating, Add	105.89	
40 05 19 00-0581	EA		4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,041.74	254.59
			For Class 52 Rating, Deduct	-72.16	
			For Class 54 Rating, Add	49.20	
			For Class 55 Rating, Add	109.36	
40 05 19 00-0582	EA		4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,067.23	257.69
			For Class 52 Rating, Deduct	-74.45	
			For Class 54 Rating, Add	50.76	
			For Class 55 Rating, Add	112.82	
40 05 19 00-0583	EA		4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,092.72	260.79
			For Class 52 Rating, Deduct	-76.74	
			For Class 54 Rating, Add	52.32	
			For Class 55 Rating, Add	116.29	
40 05 19 00-0584	EA		4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,118.22	263.88
			For Class 52 Rating, Deduct	-79.02	
			For Class 54 Rating, Add	53.88	
			For Class 55 Rating, Add	119.76	
40 05 19 00-0585	EA		4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,143.71	266.97
			For Class 52 Rating, Deduct	-81.31	
			For Class 54 Rating, Add	55.44	
			For Class 55 Rating, Add	123.22	
40 05 19 00-0586	EA		4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,169.20	270.07
			For Class 52 Rating, Deduct	-83.60	
			For Class 54 Rating, Add	57.00	
			For Class 55 Rating, Add	126.69	
40 05 19 00-0587	EA		4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,194.69	273.17
			For Class 52 Rating, Deduct	-85.89	
			For Class 54 Rating, Add	58.56	
			For Class 55 Rating, Add	130.16	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,220.19	276.27
		For Class 52 Rating, Deduct	-88.18	
		For Class 54 Rating, Add	60.12	
		For Class 55 Rating, Add	133.63	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,245.68	279.36
		For Class 52 Rating, Deduct	-90.46	
		For Class 54 Rating, Add	61.68	
		For Class 55 Rating, Add	137.09	
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,271.17	282.46
		For Class 52 Rating, Deduct	-92.75	
		For Class 54 Rating, Add	63.24	
		For Class 55 Rating, Add	140.56	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,296.66	285.56
		For Class 52 Rating, Deduct	-95.04	
		For Class 54 Rating, Add	64.80	
		For Class 55 Rating, Add	144.03	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,322.15	288.66
		For Class 52 Rating, Deduct	-97.33	
		For Class 54 Rating, Add	66.36	
		For Class 55 Rating, Add	147.50	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,347.65	291.76
		For Class 52 Rating, Deduct	-99.62	
		For Class 54 Rating, Add	67.92	
		For Class 55 Rating, Add	150.96	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,373.14	294.85
		For Class 52 Rating, Deduct	-101.90	
		For Class 54 Rating, Add	69.48	
		For Class 55 Rating, Add	154.43	

40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)

40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	506.67	222.99
		For Class 52 Rating, Deduct	-18.57	
		For Class 54 Rating, Add	12.66	
		For Class 55 Rating, Add	28.14	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	536.96	226.09
		For Class 52 Rating, Deduct	-21.38	
		For Class 54 Rating, Add	14.58	
		For Class 55 Rating, Add	32.41	
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	567.25	229.19
		For Class 52 Rating, Deduct	-24.20	
		For Class 54 Rating, Add	16.50	
		For Class 55 Rating, Add	36.67	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	597.55	232.29
		For Class 52 Rating, Deduct	-27.02	
		For Class 54 Rating, Add	18.42	
		For Class 55 Rating, Add	40.94	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	627.85	235.38
		For Class 52 Rating, Deduct	-29.83	
		For Class 54 Rating, Add	20.34	
		For Class 55 Rating, Add	45.21	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	658.14	238.48
		For Class 52 Rating, Deduct	-32.65	
		For Class 54 Rating, Add	22.26	
		For Class 55 Rating, Add	49.48	
40 05 19 00-0602	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	688.43	241.58
		For Class 52 Rating, Deduct	-35.46	
		For Class 54 Rating, Add	24.18	
		For Class 55 Rating, Add	53.74	
40 05 19 00-0603	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	718.72	244.68
		For Class 52 Rating, Deduct	-38.28	
		For Class 54 Rating, Add	26.10	
		For Class 55 Rating, Add	58.01	
40 05 19 00-0604	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	749.01	247.78
		For Class 52 Rating, Deduct	-41.10	
		For Class 54 Rating, Add	28.02	
		For Class 55 Rating, Add	62.28	
40 05 19 00-0605	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	779.31	250.86
		For Class 52 Rating, Deduct	-43.91	
		For Class 54 Rating, Add	29.94	
		For Class 55 Rating, Add	66.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0606	EA		6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	809.60	253.96
			For Class 52 Rating, Deduct	-46.73	
			For Class 54 Rating, Add	31.86	
			For Class 55 Rating, Add	70.81	
40 05 19 00-0607	EA		6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	839.89	257.06
			For Class 52 Rating, Deduct	-49.54	
			For Class 54 Rating, Add	33.78	
			For Class 55 Rating, Add	75.08	
40 05 19 00-0608	EA		6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	870.18	260.16
			For Class 52 Rating, Deduct	-52.36	
			For Class 54 Rating, Add	35.70	
			For Class 55 Rating, Add	79.35	
40 05 19 00-0609	EA		6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	900.47	263.26
			For Class 52 Rating, Deduct	-55.18	
			For Class 54 Rating, Add	37.62	
			For Class 55 Rating, Add	83.62	
40 05 19 00-0610	EA		6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	930.77	266.35
			For Class 52 Rating, Deduct	-57.99	
			For Class 54 Rating, Add	39.54	
			For Class 55 Rating, Add	87.88	
40 05 19 00-0611	EA		6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	961.06	269.45
			For Class 52 Rating, Deduct	-60.81	
			For Class 54 Rating, Add	41.46	
			For Class 55 Rating, Add	92.15	
40 05 19 00-0612	EA		6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	991.35	272.55
			For Class 52 Rating, Deduct	-63.62	
			For Class 54 Rating, Add	43.38	
			For Class 55 Rating, Add	96.42	
40 05 19 00-0613	EA		6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,021.64	275.65
			For Class 52 Rating, Deduct	-66.44	
			For Class 54 Rating, Add	45.30	
			For Class 55 Rating, Add	100.69	
40 05 19 00-0614	EA		6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,051.93	278.75
			For Class 52 Rating, Deduct	-69.26	
			For Class 54 Rating, Add	47.22	
			For Class 55 Rating, Add	104.95	
40 05 19 00-0615	EA		6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,082.23	281.84
			For Class 52 Rating, Deduct	-72.07	
			For Class 54 Rating, Add	49.14	
			For Class 55 Rating, Add	109.22	
40 05 19 00-0616	EA		6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,112.53	284.94
			For Class 52 Rating, Deduct	-74.89	
			For Class 54 Rating, Add	51.06	
			For Class 55 Rating, Add	113.49	
40 05 19 00-0617	EA		6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,142.82	288.04
			For Class 52 Rating, Deduct	-77.70	
			For Class 54 Rating, Add	52.98	
			For Class 55 Rating, Add	117.76	
40 05 19 00-0618	EA		6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,173.11	291.13
			For Class 52 Rating, Deduct	-80.52	
			For Class 54 Rating, Add	54.90	
			For Class 55 Rating, Add	122.02	
40 05 19 00-0619	EA		6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,203.40	294.23
			For Class 52 Rating, Deduct	-83.34	
			For Class 54 Rating, Add	56.82	
			For Class 55 Rating, Add	126.29	
40 05 19 00-0620	EA		6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,233.70	297.32
			For Class 52 Rating, Deduct	-86.15	
			For Class 54 Rating, Add	58.74	
			For Class 55 Rating, Add	130.56	
40 05 19 00-0621	EA		6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,263.99	300.42
			For Class 52 Rating, Deduct	-88.97	
			For Class 54 Rating, Add	60.66	
			For Class 55 Rating, Add	134.83	
40 05 19 00-0622	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,294.28	303.52
			For Class 52 Rating, Deduct	-91.78	
			For Class 54 Rating, Add	62.58	
			For Class 55 Rating, Add	139.09	
40 05 19 00-0623	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,324.57	306.62
			For Class 52 Rating, Deduct	-94.60	
			For Class 54 Rating, Add	64.50	
			For Class 55 Rating, Add	143.36	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,354.87	309.72
		<i>For Class 52 Rating, Deduct</i>	-97.42	
		<i>For Class 54 Rating, Add</i>	66.42	
		<i>For Class 55 Rating, Add</i>	147.63	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,385.16	312.81
		<i>For Class 52 Rating, Deduct</i>	-100.23	
		<i>For Class 54 Rating, Add</i>	68.34	
		<i>For Class 55 Rating, Add</i>	151.90	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,415.45	315.91
		<i>For Class 52 Rating, Deduct</i>	-103.05	
		<i>For Class 54 Rating, Add</i>	70.26	
		<i>For Class 55 Rating, Add</i>	156.16	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,445.74	319.01
		<i>For Class 52 Rating, Deduct</i>	-105.86	
		<i>For Class 54 Rating, Add</i>	72.18	
		<i>For Class 55 Rating, Add</i>	160.43	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,476.03	322.11
		<i>For Class 52 Rating, Deduct</i>	-108.68	
		<i>For Class 54 Rating, Add</i>	74.10	
		<i>For Class 55 Rating, Add</i>	164.70	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,506.33	325.21
		<i>For Class 52 Rating, Deduct</i>	-111.50	
		<i>For Class 54 Rating, Add</i>	76.02	
		<i>For Class 55 Rating, Add</i>	168.97	
40 05 19 00-0630	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,536.62	328.29
		<i>For Class 52 Rating, Deduct</i>	-114.31	
		<i>For Class 54 Rating, Add</i>	77.94	
		<i>For Class 55 Rating, Add</i>	173.23	
40 05 19 00-0631	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,566.91	331.39
		<i>For Class 52 Rating, Deduct</i>	-117.13	
		<i>For Class 54 Rating, Add</i>	79.86	
		<i>For Class 55 Rating, Add</i>	177.50	
40 05 19 00-0632	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,597.20	334.49
		<i>For Class 52 Rating, Deduct</i>	-119.94	
		<i>For Class 54 Rating, Add</i>	81.78	
		<i>For Class 55 Rating, Add</i>	181.77	
40 05 19 00-0633	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,627.50	337.59
		<i>For Class 52 Rating, Deduct</i>	-122.76	
		<i>For Class 54 Rating, Add</i>	83.70	
		<i>For Class 55 Rating, Add</i>	186.04	
40 05 19 00-0634	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,657.80	340.69
		<i>For Class 52 Rating, Deduct</i>	-125.58	
		<i>For Class 54 Rating, Add</i>	85.62	
		<i>For Class 55 Rating, Add</i>	190.30	
40 05 19 00-0635		8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0636	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	678.13	284.94
		<i>For Class 52 Rating, Deduct</i>	-27.10	
		<i>For Class 54 Rating, Add</i>	18.48	
		<i>For Class 55 Rating, Add</i>	41.07	
40 05 19 00-0637	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	718.02	288.04
		<i>For Class 52 Rating, Deduct</i>	-30.98	
		<i>For Class 54 Rating, Add</i>	21.12	
		<i>For Class 55 Rating, Add</i>	46.94	
40 05 19 00-0638	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	757.91	291.13
		<i>For Class 52 Rating, Deduct</i>	-34.85	
		<i>For Class 54 Rating, Add</i>	23.76	
		<i>For Class 55 Rating, Add</i>	52.81	
40 05 19 00-0639	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	797.80	294.23
		<i>For Class 52 Rating, Deduct</i>	-38.72	
		<i>For Class 54 Rating, Add</i>	26.40	
		<i>For Class 55 Rating, Add</i>	58.68	
40 05 19 00-0640	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	837.70	297.32
		<i>For Class 52 Rating, Deduct</i>	-42.59	
		<i>For Class 54 Rating, Add</i>	29.04	
		<i>For Class 55 Rating, Add</i>	64.55	
40 05 19 00-0641	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	877.59	300.42
		<i>For Class 52 Rating, Deduct</i>	-46.46	
		<i>For Class 54 Rating, Add</i>	31.68	
		<i>For Class 55 Rating, Add</i>	70.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0642	EA		8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	917.48	303.52
			Pipe		
			For Class 52 Rating, Deduct	-50.34	
			For Class 54 Rating, Add	34.32	
			For Class 55 Rating, Add	76.28	
40 05 19 00-0643	EA		8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	957.37	306.62
			Pipe		
			For Class 52 Rating, Deduct	-54.21	
			For Class 54 Rating, Add	36.96	
			For Class 55 Rating, Add	82.15	
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	997.27	309.72
			Pipe		
			For Class 52 Rating, Deduct	-58.08	
			For Class 54 Rating, Add	39.60	
			For Class 55 Rating, Add	88.02	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,037.16	312.81
			Pipe		
			For Class 52 Rating, Deduct	-61.95	
			For Class 54 Rating, Add	42.24	
			For Class 55 Rating, Add	93.89	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,077.05	315.91
			Pipe		
			For Class 52 Rating, Deduct	-65.82	
			For Class 54 Rating, Add	44.88	
			For Class 55 Rating, Add	99.75	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,116.94	319.01
			Pipe		
			For Class 52 Rating, Deduct	-69.70	
			For Class 54 Rating, Add	47.52	
			For Class 55 Rating, Add	105.62	
40 05 19 00-0648	EA		8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,156.83	322.11
			Pipe		
			For Class 52 Rating, Deduct	-73.57	
			For Class 54 Rating, Add	50.16	
			For Class 55 Rating, Add	111.49	
40 05 19 00-0649	EA		8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,196.73	325.21
			Pipe		
			For Class 52 Rating, Deduct	-77.44	
			For Class 54 Rating, Add	52.80	
			For Class 55 Rating, Add	117.36	
40 05 19 00-0650	EA		8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,236.62	328.29
			Pipe		
			For Class 52 Rating, Deduct	-81.31	
			For Class 54 Rating, Add	55.44	
			For Class 55 Rating, Add	123.22	
40 05 19 00-0651	EA		8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,276.51	331.39
			Pipe		
			For Class 52 Rating, Deduct	-85.18	
			For Class 54 Rating, Add	58.08	
			For Class 55 Rating, Add	129.09	
40 05 19 00-0652	EA		8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,316.40	334.49
			Pipe		
			For Class 52 Rating, Deduct	-89.06	
			For Class 54 Rating, Add	60.72	
			For Class 55 Rating, Add	134.96	
40 05 19 00-0653	EA		8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,356.30	337.59
			Pipe		
			For Class 52 Rating, Deduct	-92.93	
			For Class 54 Rating, Add	63.36	
			For Class 55 Rating, Add	140.83	
40 05 19 00-0654	EA		8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,396.20	340.69
			Pipe		
			For Class 52 Rating, Deduct	-96.80	
			For Class 54 Rating, Add	66.00	
			For Class 55 Rating, Add	146.70	
40 05 19 00-0655	EA		8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,436.09	343.78
			Pipe		
			For Class 52 Rating, Deduct	-100.67	
			For Class 54 Rating, Add	68.64	
			For Class 55 Rating, Add	152.56	
40 05 19 00-0656	EA		8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,475.98	346.88
			Pipe		
			For Class 52 Rating, Deduct	-104.54	
			For Class 54 Rating, Add	71.28	
			For Class 55 Rating, Add	158.43	
40 05 19 00-0657	EA		8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,515.87	349.98
			Pipe		
			For Class 52 Rating, Deduct	-108.42	
			For Class 54 Rating, Add	73.92	
			For Class 55 Rating, Add	164.30	
40 05 19 00-0658	EA		8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,555.76	353.08
			Pipe		
			For Class 52 Rating, Deduct	-112.29	
			For Class 54 Rating, Add	76.56	
			For Class 55 Rating, Add	170.17	
40 05 19 00-0659	EA		8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,595.66	356.17
			Pipe		
			For Class 52 Rating, Deduct	-116.16	
			For Class 54 Rating, Add	79.20	
			For Class 55 Rating, Add	176.04	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0660	EA		8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,635.55	359.27
			For Class 52 Rating, Deduct	-120.03	
			For Class 54 Rating, Add	81.84	
			For Class 55 Rating, Add	181.90	
40 05 19 00-0661	EA		8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,675.44	362.37
			For Class 52 Rating, Deduct	-123.90	
			For Class 54 Rating, Add	84.48	
			For Class 55 Rating, Add	187.77	
40 05 19 00-0662	EA		8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,715.33	365.47
			For Class 52 Rating, Deduct	-127.78	
			For Class 54 Rating, Add	87.12	
			For Class 55 Rating, Add	193.64	
40 05 19 00-0663	EA		8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,755.22	368.56
			For Class 52 Rating, Deduct	-131.65	
			For Class 54 Rating, Add	89.76	
			For Class 55 Rating, Add	199.51	
40 05 19 00-0664	EA		8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,795.12	371.65
			For Class 52 Rating, Deduct	-135.52	
			For Class 54 Rating, Add	92.40	
			For Class 55 Rating, Add	205.37	
40 05 19 00-0665	EA		8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,835.01	374.75
			For Class 52 Rating, Deduct	-139.39	
			For Class 54 Rating, Add	95.04	
			For Class 55 Rating, Add	211.24	
40 05 19 00-0666	EA		8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,874.90	377.85
			For Class 52 Rating, Deduct	-143.26	
			For Class 54 Rating, Add	97.68	
			For Class 55 Rating, Add	217.11	
40 05 19 00-0667	EA		8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,914.79	380.95
			For Class 52 Rating, Deduct	-147.14	
			For Class 54 Rating, Add	100.32	
			For Class 55 Rating, Add	222.98	
40 05 19 00-0668	EA		8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,954.68	384.05
			For Class 52 Rating, Deduct	-151.01	
			For Class 54 Rating, Add	102.96	
			For Class 55 Rating, Add	228.85	
40 05 19 00-0669	EA		8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,994.59	387.14
			For Class 52 Rating, Deduct	-154.88	
			For Class 54 Rating, Add	105.60	
			For Class 55 Rating, Add	234.71	
40 05 19 00-0670	EA		8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,034.48	390.24
			For Class 52 Rating, Deduct	-158.75	
			For Class 54 Rating, Add	108.24	
			For Class 55 Rating, Add	240.58	
40 05 19 00-0671	EA		8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,074.37	393.34
			For Class 52 Rating, Deduct	-162.62	
			For Class 54 Rating, Add	110.88	
			For Class 55 Rating, Add	246.45	
40 05 19 00-0672	EA		8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,114.26	396.44
			For Class 52 Rating, Deduct	-166.50	
			For Class 54 Rating, Add	113.52	
			For Class 55 Rating, Add	252.32	
40 05 19 00-0673	EA		8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,154.15	399.54
			For Class 52 Rating, Deduct	-170.37	
			For Class 54 Rating, Add	116.16	
			For Class 55 Rating, Add	258.18	
40 05 19 00-0674	EA		8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,194.05	402.63
			For Class 52 Rating, Deduct	-174.24	
			For Class 54 Rating, Add	118.80	
			For Class 55 Rating, Add	264.05	
40 05 19 00-0675			10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0676	EA		10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	840.78	346.88
			For Class 52 Rating, Deduct	-34.67	
			For Class 54 Rating, Add	23.64	
			For Class 55 Rating, Add	52.54	
40 05 19 00-0677	EA		10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	891.87	349.98
			For Class 52 Rating, Deduct	-39.78	
			For Class 54 Rating, Add	27.12	
			For Class 55 Rating, Add	60.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0678	EA		10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	942.96	353.08
			For Class 52 Rating, Deduct	-44.88	
			For Class 54 Rating, Add	30.60	
			For Class 55 Rating, Add	68.01	
40 05 19 00-0679	EA		10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	994.06	356.17
			For Class 52 Rating, Deduct	-49.98	
			For Class 54 Rating, Add	34.08	
			For Class 55 Rating, Add	75.75	
40 05 19 00-0680	EA		10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,045.15	359.27
			For Class 52 Rating, Deduct	-55.09	
			For Class 54 Rating, Add	37.56	
			For Class 55 Rating, Add	83.48	
40 05 19 00-0681	EA		10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,096.24	362.37
			For Class 52 Rating, Deduct	-60.19	
			For Class 54 Rating, Add	41.04	
			For Class 55 Rating, Add	91.22	
40 05 19 00-0682	EA		10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,147.33	365.47
			For Class 52 Rating, Deduct	-65.30	
			For Class 54 Rating, Add	44.52	
			For Class 55 Rating, Add	98.95	
40 05 19 00-0683	EA		10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,198.42	368.56
			For Class 52 Rating, Deduct	-70.40	
			For Class 54 Rating, Add	48.00	
			For Class 55 Rating, Add	106.69	
40 05 19 00-0684	EA		10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,249.52	371.65
			For Class 52 Rating, Deduct	-75.50	
			For Class 54 Rating, Add	51.48	
			For Class 55 Rating, Add	114.42	
40 05 19 00-0685	EA		10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,300.61	374.75
			For Class 52 Rating, Deduct	-80.61	
			For Class 54 Rating, Add	54.96	
			For Class 55 Rating, Add	122.16	
40 05 19 00-0686	EA		10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,351.70	377.85
			For Class 52 Rating, Deduct	-85.71	
			For Class 54 Rating, Add	58.44	
			For Class 55 Rating, Add	129.89	
40 05 19 00-0687	EA		10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,402.79	380.95
			For Class 52 Rating, Deduct	-90.82	
			For Class 54 Rating, Add	61.92	
			For Class 55 Rating, Add	137.63	
40 05 19 00-0688	EA		10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,453.88	384.05
			For Class 52 Rating, Deduct	-95.92	
			For Class 54 Rating, Add	65.40	
			For Class 55 Rating, Add	145.36	
40 05 19 00-0689	EA		10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,504.99	387.14
			For Class 52 Rating, Deduct	-101.02	
			For Class 54 Rating, Add	68.88	
			For Class 55 Rating, Add	153.10	
40 05 19 00-0690	EA		10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,556.08	390.24
			For Class 52 Rating, Deduct	-106.13	
			For Class 54 Rating, Add	72.36	
			For Class 55 Rating, Add	160.83	
40 05 19 00-0691	EA		10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,607.17	393.34
			For Class 52 Rating, Deduct	-111.23	
			For Class 54 Rating, Add	75.84	
			For Class 55 Rating, Add	168.57	
40 05 19 00-0692	EA		10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,658.26	396.44
			For Class 52 Rating, Deduct	-116.34	
			For Class 54 Rating, Add	79.32	
			For Class 55 Rating, Add	176.30	
40 05 19 00-0693	EA		10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,709.35	399.54
			For Class 52 Rating, Deduct	-121.44	
			For Class 54 Rating, Add	82.80	
			For Class 55 Rating, Add	184.04	
40 05 19 00-0694	EA		10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,760.45	402.63
			For Class 52 Rating, Deduct	-126.54	
			For Class 54 Rating, Add	86.28	
			For Class 55 Rating, Add	191.77	
40 05 19 00-0695	EA		10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,811.54	405.72
			For Class 52 Rating, Deduct	-131.65	
			For Class 54 Rating, Add	89.76	
			For Class 55 Rating, Add	199.51	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0696	EA		10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,862.63	408.82
			For Class 52 Rating, Deduct	-136.75	
			For Class 54 Rating, Add	93.24	
			For Class 55 Rating, Add	207.24	
40 05 19 00-0697	EA		10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,913.72	411.92
			For Class 52 Rating, Deduct	-141.86	
			For Class 54 Rating, Add	96.72	
			For Class 55 Rating, Add	214.98	
40 05 19 00-0698	EA		10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,964.82	415.02
			For Class 52 Rating, Deduct	-146.96	
			For Class 54 Rating, Add	100.20	
			For Class 55 Rating, Add	222.71	
40 05 19 00-0699	EA		10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,015.91	418.11
			For Class 52 Rating, Deduct	-152.06	
			For Class 54 Rating, Add	103.68	
			For Class 55 Rating, Add	230.45	
40 05 19 00-0700	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,067.00	421.21
			For Class 52 Rating, Deduct	-157.17	
			For Class 54 Rating, Add	107.16	
			For Class 55 Rating, Add	238.18	
40 05 19 00-0701	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,118.09	424.31
			For Class 52 Rating, Deduct	-162.27	
			For Class 54 Rating, Add	110.64	
			For Class 55 Rating, Add	245.92	
40 05 19 00-0702	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,169.18	427.41
			For Class 52 Rating, Deduct	-167.38	
			For Class 54 Rating, Add	114.12	
			For Class 55 Rating, Add	253.65	
40 05 19 00-0703	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,220.28	430.51
			For Class 52 Rating, Deduct	-172.48	
			For Class 54 Rating, Add	117.60	
			For Class 55 Rating, Add	261.39	
40 05 19 00-0704	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,271.37	433.60
			For Class 52 Rating, Deduct	-177.58	
			For Class 54 Rating, Add	121.08	
			For Class 55 Rating, Add	269.12	
40 05 19 00-0705	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,322.46	436.70
			For Class 52 Rating, Deduct	-182.69	
			For Class 54 Rating, Add	124.56	
			For Class 55 Rating, Add	276.86	
40 05 19 00-0706	EA		10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,373.56	439.80
			For Class 52 Rating, Deduct	-187.79	
			For Class 54 Rating, Add	128.04	
			For Class 55 Rating, Add	284.59	
40 05 19 00-0707	EA		10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,424.65	442.90
			For Class 52 Rating, Deduct	-192.90	
			For Class 54 Rating, Add	131.52	
			For Class 55 Rating, Add	292.33	
40 05 19 00-0708	EA		10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,475.75	445.99
			For Class 52 Rating, Deduct	-198.00	
			For Class 54 Rating, Add	135.00	
			For Class 55 Rating, Add	300.06	
40 05 19 00-0709	EA		10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,526.84	449.08
			For Class 52 Rating, Deduct	-203.10	
			For Class 54 Rating, Add	138.48	
			For Class 55 Rating, Add	307.79	
40 05 19 00-0710	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,577.93	452.18
			For Class 52 Rating, Deduct	-208.21	
			For Class 54 Rating, Add	141.96	
			For Class 55 Rating, Add	315.53	
40 05 19 00-0711	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,629.02	455.28
			For Class 52 Rating, Deduct	-213.31	
			For Class 54 Rating, Add	145.44	
			For Class 55 Rating, Add	323.26	
40 05 19 00-0712	EA		10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,680.11	458.38
			For Class 52 Rating, Deduct	-218.42	
			For Class 54 Rating, Add	148.92	
			For Class 55 Rating, Add	331.00	
40 05 19 00-0713	EA		10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,731.21	461.48
			For Class 52 Rating, Deduct	-223.52	
			For Class 54 Rating, Add	152.40	
			For Class 55 Rating, Add	338.73	

MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM			UNIT COST	UNIT COST
40 05 19 00-0714	EA	10"	Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,782.30	464.57
			<i>For Class 52 Rating, Deduct</i>	-228.62	
			<i>For Class 54 Rating, Add</i>	155.88	
			<i>For Class 55 Rating, Add</i>	346.47	
40 05 19 00-0715		12"	Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0716	EA	12"	Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,074.57	433.60
			<i>For Class 52 Rating, Deduct</i>	-45.94	
			<i>For Class 54 Rating, Add</i>	31.32	
			<i>For Class 55 Rating, Add</i>	69.61	
40 05 19 00-0717	EA	12"	Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,137.66	436.70
			<i>For Class 52 Rating, Deduct</i>	-52.36	
			<i>For Class 54 Rating, Add</i>	35.70	
			<i>For Class 55 Rating, Add</i>	79.35	
40 05 19 00-0718	EA	12"	Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,200.76	439.80
			<i>For Class 52 Rating, Deduct</i>	-58.78	
			<i>For Class 54 Rating, Add</i>	40.08	
			<i>For Class 55 Rating, Add</i>	89.08	
40 05 19 00-0719	EA	12"	Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,263.85	442.90
			<i>For Class 52 Rating, Deduct</i>	-65.21	
			<i>For Class 54 Rating, Add</i>	44.46	
			<i>For Class 55 Rating, Add</i>	98.82	
40 05 19 00-0720	EA	12"	Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,326.95	445.99
			<i>For Class 52 Rating, Deduct</i>	-71.63	
			<i>For Class 54 Rating, Add</i>	48.84	
			<i>For Class 55 Rating, Add</i>	108.56	
40 05 19 00-0721	EA	12"	Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,390.04	449.08
			<i>For Class 52 Rating, Deduct</i>	-78.06	
			<i>For Class 54 Rating, Add</i>	53.22	
			<i>For Class 55 Rating, Add</i>	118.29	
40 05 19 00-0722	EA	12"	Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,453.13	452.18
			<i>For Class 52 Rating, Deduct</i>	-84.48	
			<i>For Class 54 Rating, Add</i>	57.60	
			<i>For Class 55 Rating, Add</i>	128.03	
40 05 19 00-0723	EA	12"	Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,516.22	455.28
			<i>For Class 52 Rating, Deduct</i>	-90.90	
			<i>For Class 54 Rating, Add</i>	61.98	
			<i>For Class 55 Rating, Add</i>	137.76	
40 05 19 00-0724	EA	12"	Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,579.31	458.38
			<i>For Class 52 Rating, Deduct</i>	-97.33	
			<i>For Class 54 Rating, Add</i>	66.36	
			<i>For Class 55 Rating, Add</i>	147.50	
40 05 19 00-0725	EA	12"	Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,642.41	461.48
			<i>For Class 52 Rating, Deduct</i>	-103.75	
			<i>For Class 54 Rating, Add</i>	70.74	
			<i>For Class 55 Rating, Add</i>	157.23	
40 05 19 00-0726	EA	12"	Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,705.50	464.57
			<i>For Class 52 Rating, Deduct</i>	-110.18	
			<i>For Class 54 Rating, Add</i>	75.12	
			<i>For Class 55 Rating, Add</i>	166.97	
40 05 19 00-0727	EA	12"	Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,768.59	467.67
			<i>For Class 52 Rating, Deduct</i>	-116.60	
			<i>For Class 54 Rating, Add</i>	79.50	
			<i>For Class 55 Rating, Add</i>	176.70	
40 05 19 00-0728	EA	12"	Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,831.68	470.77
			<i>For Class 52 Rating, Deduct</i>	-123.02	
			<i>For Class 54 Rating, Add</i>	83.88	
			<i>For Class 55 Rating, Add</i>	186.44	
40 05 19 00-0729	EA	12"	Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,894.77	473.87
			<i>For Class 52 Rating, Deduct</i>	-129.45	
			<i>For Class 54 Rating, Add</i>	88.26	
			<i>For Class 55 Rating, Add</i>	196.17	
40 05 19 00-0730	EA	12"	Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,957.87	476.96
			<i>For Class 52 Rating, Deduct</i>	-135.87	
			<i>For Class 54 Rating, Add</i>	92.64	
			<i>For Class 55 Rating, Add</i>	205.91	
40 05 19 00-0731	EA	12"	Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,020.96	480.06
			<i>For Class 52 Rating, Deduct</i>	-142.30	
			<i>For Class 54 Rating, Add</i>	97.02	
			<i>For Class 55 Rating, Add</i>	215.64	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0732	EA		12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,084.05	483.15
			For Class 52 Rating, Deduct	-148.72	
			For Class 54 Rating, Add	101.40	
			For Class 55 Rating, Add	225.38	
40 05 19 00-0733	EA		12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,147.14	486.25
			For Class 52 Rating, Deduct	-155.14	
			For Class 54 Rating, Add	105.78	
			For Class 55 Rating, Add	235.11	
40 05 19 00-0734	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,210.23	489.35
			For Class 52 Rating, Deduct	-161.57	
			For Class 54 Rating, Add	110.16	
			For Class 55 Rating, Add	244.85	
40 05 19 00-0735	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,273.34	492.44
			For Class 52 Rating, Deduct	-167.99	
			For Class 54 Rating, Add	114.54	
			For Class 55 Rating, Add	254.58	
40 05 19 00-0736	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,336.43	495.54
			For Class 52 Rating, Deduct	-174.42	
			For Class 54 Rating, Add	118.92	
			For Class 55 Rating, Add	264.32	
40 05 19 00-0737	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,399.52	498.64
			For Class 52 Rating, Deduct	-180.84	
			For Class 54 Rating, Add	123.30	
			For Class 55 Rating, Add	274.05	
40 05 19 00-0738	EA		12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,462.61	501.74
			For Class 52 Rating, Deduct	-187.26	
			For Class 54 Rating, Add	127.68	
			For Class 55 Rating, Add	283.79	
40 05 19 00-0739	EA		12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,525.70	504.84
			For Class 52 Rating, Deduct	-193.69	
			For Class 54 Rating, Add	132.06	
			For Class 55 Rating, Add	293.53	
40 05 19 00-0740	EA		12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,588.80	507.93
			For Class 52 Rating, Deduct	-200.11	
			For Class 54 Rating, Add	136.44	
			For Class 55 Rating, Add	303.26	
40 05 19 00-0741	EA		12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,651.89	511.03
			For Class 52 Rating, Deduct	-206.54	
			For Class 54 Rating, Add	140.82	
			For Class 55 Rating, Add	313.00	
40 05 19 00-0742	EA		12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,714.98	514.13
			For Class 52 Rating, Deduct	-212.96	
			For Class 54 Rating, Add	145.20	
			For Class 55 Rating, Add	322.73	
40 05 19 00-0743	EA		12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,778.07	517.23
			For Class 52 Rating, Deduct	-219.38	
			For Class 54 Rating, Add	149.58	
			For Class 55 Rating, Add	332.47	
40 05 19 00-0744	EA		12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,841.16	520.32
			For Class 52 Rating, Deduct	-225.81	
			For Class 54 Rating, Add	153.96	
			For Class 55 Rating, Add	342.20	
40 05 19 00-0745	EA		12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,904.26	523.41
			For Class 52 Rating, Deduct	-232.23	
			For Class 54 Rating, Add	158.34	
			For Class 55 Rating, Add	351.94	
40 05 19 00-0746	EA		12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,967.35	526.51
			For Class 52 Rating, Deduct	-238.66	
			For Class 54 Rating, Add	162.72	
			For Class 55 Rating, Add	361.67	
40 05 19 00-0747	EA		12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,030.44	529.61
			For Class 52 Rating, Deduct	-245.08	
			For Class 54 Rating, Add	167.10	
			For Class 55 Rating, Add	371.41	
40 05 19 00-0748	EA		12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,093.53	532.71
			For Class 52 Rating, Deduct	-251.50	
			For Class 54 Rating, Add	171.48	
			For Class 55 Rating, Add	381.14	
40 05 19 00-0749	EA		12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,156.62	535.81
			For Class 52 Rating, Deduct	-257.93	
			For Class 54 Rating, Add	175.86	
			For Class 55 Rating, Add	390.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0750	EA		12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,219.72	538.90
			For Class 52 Rating, Deduct	-264.35	
			For Class 54 Rating, Add	180.24	
			For Class 55 Rating, Add	400.61	
40 05 19 00-0751	EA		12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,282.82	542.00
			For Class 52 Rating, Deduct	-270.78	
			For Class 54 Rating, Add	184.62	
			For Class 55 Rating, Add	410.35	
40 05 19 00-0752	EA		12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,345.91	545.10
			For Class 52 Rating, Deduct	-277.20	
			For Class 54 Rating, Add	189.00	
			For Class 55 Rating, Add	420.08	
40 05 19 00-0753	EA		12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,409.00	548.20
			For Class 52 Rating, Deduct	-283.62	
			For Class 54 Rating, Add	193.38	
			For Class 55 Rating, Add	429.82	
40 05 19 00-0754	EA		12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,472.10	551.30
			For Class 52 Rating, Deduct	-290.05	
			For Class 54 Rating, Add	197.76	
			For Class 55 Rating, Add	439.55	
40 05 19 00-0755			14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0756	EA		14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,412.36	520.32
			For Class 52 Rating, Deduct	-68.64	
			For Class 54 Rating, Add	46.80	
			For Class 55 Rating, Add	104.02	
40 05 19 00-0757	EA		14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,488.26	523.41
			For Class 52 Rating, Deduct	-76.47	
			For Class 54 Rating, Add	52.14	
			For Class 55 Rating, Add	115.89	
40 05 19 00-0758	EA		14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,564.15	526.51
			For Class 52 Rating, Deduct	-84.30	
			For Class 54 Rating, Add	57.48	
			For Class 55 Rating, Add	127.76	
40 05 19 00-0759	EA		14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,640.04	529.61
			For Class 52 Rating, Deduct	-92.14	
			For Class 54 Rating, Add	62.82	
			For Class 55 Rating, Add	139.63	
40 05 19 00-0760	EA		14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,715.93	532.71
			For Class 52 Rating, Deduct	-99.97	
			For Class 54 Rating, Add	68.16	
			For Class 55 Rating, Add	151.50	
40 05 19 00-0761	EA		14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,791.82	535.81
			For Class 52 Rating, Deduct	-107.80	
			For Class 54 Rating, Add	73.50	
			For Class 55 Rating, Add	163.37	
40 05 19 00-0762	EA		14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,867.72	538.90
			For Class 52 Rating, Deduct	-115.63	
			For Class 54 Rating, Add	78.84	
			For Class 55 Rating, Add	175.24	
40 05 19 00-0763	EA		14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,943.62	542.00
			For Class 52 Rating, Deduct	-123.46	
			For Class 54 Rating, Add	84.18	
			For Class 55 Rating, Add	187.10	
40 05 19 00-0764	EA		14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,019.51	545.10
			For Class 52 Rating, Deduct	-131.30	
			For Class 54 Rating, Add	89.52	
			For Class 55 Rating, Add	198.97	
40 05 19 00-0765	EA		14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,095.40	548.20
			For Class 52 Rating, Deduct	-139.13	
			For Class 54 Rating, Add	94.86	
			For Class 55 Rating, Add	210.84	
40 05 19 00-0766	EA		14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,171.30	551.30
			For Class 52 Rating, Deduct	-146.96	
			For Class 54 Rating, Add	100.20	
			For Class 55 Rating, Add	222.71	
40 05 19 00-0767	EA		14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,247.19	554.39
			For Class 52 Rating, Deduct	-154.79	
			For Class 54 Rating, Add	105.54	
			For Class 55 Rating, Add	234.58	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0768	EA		14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,323.08	557.49
			For Class 52 Rating, Deduct	-162.62	
			For Class 54 Rating, Add	110.88	
			For Class 55 Rating, Add	246.45	
40 05 19 00-0769	EA		14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,398.97	560.58
			For Class 52 Rating, Deduct	-170.46	
			For Class 54 Rating, Add	116.22	
			For Class 55 Rating, Add	258.32	
40 05 19 00-0770	EA		14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,474.86	563.68
			For Class 52 Rating, Deduct	-178.29	
			For Class 54 Rating, Add	121.56	
			For Class 55 Rating, Add	270.19	
40 05 19 00-0771	EA		14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,550.76	566.78
			For Class 52 Rating, Deduct	-186.12	
			For Class 54 Rating, Add	126.90	
			For Class 55 Rating, Add	282.06	
40 05 19 00-0772	EA		14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,626.65	569.87
			For Class 52 Rating, Deduct	-193.95	
			For Class 54 Rating, Add	132.24	
			For Class 55 Rating, Add	293.93	
40 05 19 00-0773	EA		14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,702.54	572.97
			For Class 52 Rating, Deduct	-201.78	
			For Class 54 Rating, Add	137.58	
			For Class 55 Rating, Add	305.79	
40 05 19 00-0774	EA		14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,778.43	576.07
			For Class 52 Rating, Deduct	-209.62	
			For Class 54 Rating, Add	142.92	
			For Class 55 Rating, Add	317.66	
40 05 19 00-0775	EA		14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,854.32	579.17
			For Class 52 Rating, Deduct	-217.45	
			For Class 54 Rating, Add	148.26	
			For Class 55 Rating, Add	329.53	
40 05 19 00-0776	EA		14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,930.22	582.27
			For Class 52 Rating, Deduct	-225.28	
			For Class 54 Rating, Add	153.60	
			For Class 55 Rating, Add	341.40	
40 05 19 00-0777	EA		14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,006.11	585.36
			For Class 52 Rating, Deduct	-233.11	
			For Class 54 Rating, Add	158.94	
			For Class 55 Rating, Add	353.27	
40 05 19 00-0778	EA		14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,082.00	588.46
			For Class 52 Rating, Deduct	-240.94	
			For Class 54 Rating, Add	164.28	
			For Class 55 Rating, Add	365.14	
40 05 19 00-0779	EA		14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,157.89	591.56
			For Class 52 Rating, Deduct	-248.78	
			For Class 54 Rating, Add	169.62	
			For Class 55 Rating, Add	377.01	
40 05 19 00-0780	EA		14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,233.79	594.66
			For Class 52 Rating, Deduct	-256.61	
			For Class 54 Rating, Add	174.96	
			For Class 55 Rating, Add	388.88	
40 05 19 00-0781	EA		14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,309.69	597.75
			For Class 52 Rating, Deduct	-264.44	
			For Class 54 Rating, Add	180.30	
			For Class 55 Rating, Add	400.75	
40 05 19 00-0782	EA		14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,385.58	600.84
			For Class 52 Rating, Deduct	-272.27	
			For Class 54 Rating, Add	185.64	
			For Class 55 Rating, Add	412.62	
40 05 19 00-0783	EA		14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,461.47	603.94
			For Class 52 Rating, Deduct	-280.10	
			For Class 54 Rating, Add	190.98	
			For Class 55 Rating, Add	424.48	
40 05 19 00-0784	EA		14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,537.36	607.04
			For Class 52 Rating, Deduct	-287.94	
			For Class 54 Rating, Add	196.32	
			For Class 55 Rating, Add	436.35	
40 05 19 00-0785	EA		14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,613.25	610.14
			For Class 52 Rating, Deduct	-295.77	
			For Class 54 Rating, Add	201.66	
			For Class 55 Rating, Add	448.22	

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

40 05 19 00-0786	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,689.15	613.24
		For Class 52 Rating, Deduct	-303.60	
		For Class 54 Rating, Add	207.00	
		For Class 55 Rating, Add	460.09	
40 05 19 00-0787	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,765.04	616.33
		For Class 52 Rating, Deduct	-311.43	
		For Class 54 Rating, Add	212.34	
		For Class 55 Rating, Add	471.96	
40 05 19 00-0788	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,840.93	619.43
		For Class 52 Rating, Deduct	-319.26	
		For Class 54 Rating, Add	217.68	
		For Class 55 Rating, Add	483.83	
40 05 19 00-0789	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,916.82	622.53
		For Class 52 Rating, Deduct	-327.10	
		For Class 54 Rating, Add	223.02	
		For Class 55 Rating, Add	495.70	
40 05 19 00-0790	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,992.71	625.63
		For Class 52 Rating, Deduct	-334.93	
		For Class 54 Rating, Add	228.36	
		For Class 55 Rating, Add	507.57	
40 05 19 00-0791	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,068.61	628.72
		For Class 52 Rating, Deduct	-342.76	
		For Class 54 Rating, Add	233.70	
		For Class 55 Rating, Add	519.44	
40 05 19 00-0792	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,144.50	631.82
		For Class 52 Rating, Deduct	-350.59	
		For Class 54 Rating, Add	239.04	
		For Class 55 Rating, Add	531.31	
40 05 19 00-0793	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,220.39	634.92
		For Class 52 Rating, Deduct	-358.42	
		For Class 54 Rating, Add	244.38	
		For Class 55 Rating, Add	543.18	

40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-054)

40 05 19 00-0795	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,639.39	594.66
		For Class 52 Rating, Deduct	-81.22	
		For Class 54 Rating, Add	55.38	
		For Class 55 Rating, Add	123.09	
40 05 19 00-0796	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,727.29	597.75
		For Class 52 Rating, Deduct	-90.38	
		For Class 54 Rating, Add	61.62	
		For Class 55 Rating, Add	136.96	
40 05 19 00-0797	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,815.18	600.84
		For Class 52 Rating, Deduct	-99.53	
		For Class 54 Rating, Add	67.86	
		For Class 55 Rating, Add	150.83	
40 05 19 00-0798	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,903.07	603.94
		For Class 52 Rating, Deduct	-108.68	
		For Class 54 Rating, Add	74.10	
		For Class 55 Rating, Add	164.70	
40 05 19 00-0799	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,990.96	607.04
		For Class 52 Rating, Deduct	-117.83	
		For Class 54 Rating, Add	80.34	
		For Class 55 Rating, Add	178.57	
40 05 19 00-0800	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,078.85	610.14
		For Class 52 Rating, Deduct	-126.98	
		For Class 54 Rating, Add	86.58	
		For Class 55 Rating, Add	192.44	
40 05 19 00-0801	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,166.75	613.24
		For Class 52 Rating, Deduct	-136.14	
		For Class 54 Rating, Add	92.82	
		For Class 55 Rating, Add	206.31	
40 05 19 00-0802	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,254.64	616.33
		For Class 52 Rating, Deduct	-145.29	
		For Class 54 Rating, Add	99.06	
		For Class 55 Rating, Add	220.18	
40 05 19 00-0803	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,342.53	619.43
		For Class 52 Rating, Deduct	-154.44	
		For Class 54 Rating, Add	105.30	
		For Class 55 Rating, Add	234.05	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0804	EA		16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,422.42	622.53
			For Class 52 Rating, Deduct	-162.71	
			For Class 54 Rating, Add	110.94	
			For Class 55 Rating, Add	246.58	
40 05 19 00-0805	EA		16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,518.31	625.63
			For Class 52 Rating, Deduct	-172.74	
			For Class 54 Rating, Add	117.78	
			For Class 55 Rating, Add	261.79	
40 05 19 00-0806	EA		16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,606.21	628.72
			For Class 52 Rating, Deduct	-181.90	
			For Class 54 Rating, Add	124.02	
			For Class 55 Rating, Add	275.66	
40 05 19 00-0807	EA		16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,694.10	631.82
			For Class 52 Rating, Deduct	-191.05	
			For Class 54 Rating, Add	130.26	
			For Class 55 Rating, Add	289.52	
40 05 19 00-0808	EA		16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,781.99	634.92
			For Class 52 Rating, Deduct	-200.20	
			For Class 54 Rating, Add	136.50	
			For Class 55 Rating, Add	303.39	
40 05 19 00-0809	EA		16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,869.88	638.01
			For Class 52 Rating, Deduct	-209.35	
			For Class 54 Rating, Add	142.74	
			For Class 55 Rating, Add	317.26	
40 05 19 00-0810	EA		16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,957.77	641.11
			For Class 52 Rating, Deduct	-218.50	
			For Class 54 Rating, Add	148.98	
			For Class 55 Rating, Add	331.13	
40 05 19 00-0811	EA		16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,045.67	644.20
			For Class 52 Rating, Deduct	-227.66	
			For Class 54 Rating, Add	155.22	
			For Class 55 Rating, Add	345.00	
40 05 19 00-0812	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,133.57	647.30
			For Class 52 Rating, Deduct	-236.81	
			For Class 54 Rating, Add	161.46	
			For Class 55 Rating, Add	358.87	
40 05 19 00-0813	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,221.46	650.40
			For Class 52 Rating, Deduct	-245.96	
			For Class 54 Rating, Add	167.70	
			For Class 55 Rating, Add	372.74	
40 05 19 00-0814	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,309.35	653.50
			For Class 52 Rating, Deduct	-255.11	
			For Class 54 Rating, Add	173.94	
			For Class 55 Rating, Add	386.61	
40 05 19 00-0815	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,397.25	656.60
			For Class 52 Rating, Deduct	-264.26	
			For Class 54 Rating, Add	180.18	
			For Class 55 Rating, Add	400.48	
40 05 19 00-0816	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,485.14	659.69
			For Class 52 Rating, Deduct	-273.42	
			For Class 54 Rating, Add	186.42	
			For Class 55 Rating, Add	414.35	
40 05 19 00-0817	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,573.03	662.79
			For Class 52 Rating, Deduct	-282.57	
			For Class 54 Rating, Add	192.66	
			For Class 55 Rating, Add	428.22	
40 05 19 00-0818	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,660.92	665.89
			For Class 52 Rating, Deduct	-291.72	
			For Class 54 Rating, Add	198.90	
			For Class 55 Rating, Add	442.09	
40 05 19 00-0819	EA		16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,748.81	668.99
			For Class 52 Rating, Deduct	-300.87	
			For Class 54 Rating, Add	205.14	
			For Class 55 Rating, Add	455.96	
40 05 19 00-0820	EA		16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,836.71	672.09
			For Class 52 Rating, Deduct	-310.02	
			For Class 54 Rating, Add	211.38	
			For Class 55 Rating, Add	469.83	
40 05 19 00-0821	EA		16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,924.60	675.17
			For Class 52 Rating, Deduct	-319.18	
			For Class 54 Rating, Add	217.62	
			For Class 55 Rating, Add	483.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0822	EA		16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,012.49	678.27
			For Class 52 Rating, Deduct	-328.33	
			For Class 54 Rating, Add	223.86	
			For Class 55 Rating, Add	497.57	
40 05 19 00-0823	EA		16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,100.38	681.37
			For Class 52 Rating, Deduct	-337.48	
			For Class 54 Rating, Add	230.10	
			For Class 55 Rating, Add	511.44	
40 05 19 00-0824	EA		16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,188.27	684.47
			For Class 52 Rating, Deduct	-346.63	
			For Class 54 Rating, Add	236.34	
			For Class 55 Rating, Add	525.31	
40 05 19 00-0825	EA		16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,276.17	687.57
			For Class 52 Rating, Deduct	-355.78	
			For Class 54 Rating, Add	242.58	
			For Class 55 Rating, Add	539.17	
40 05 19 00-0826	EA		16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,364.06	690.66
			For Class 52 Rating, Deduct	-364.94	
			For Class 54 Rating, Add	248.82	
			For Class 55 Rating, Add	553.04	
40 05 19 00-0827	EA		16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,451.95	693.76
			For Class 52 Rating, Deduct	-374.09	
			For Class 54 Rating, Add	255.06	
			For Class 55 Rating, Add	566.91	
40 05 19 00-0828	EA		16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,539.85	696.86
			For Class 52 Rating, Deduct	-383.24	
			For Class 54 Rating, Add	261.30	
			For Class 55 Rating, Add	580.78	
40 05 19 00-0829	EA		16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,627.74	699.96
			For Class 52 Rating, Deduct	-392.39	
			For Class 54 Rating, Add	267.54	
			For Class 55 Rating, Add	594.65	
40 05 19 00-0830	EA		16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,715.64	703.06
			For Class 52 Rating, Deduct	-401.54	
			For Class 54 Rating, Add	273.78	
			For Class 55 Rating, Add	608.52	
40 05 19 00-0831	EA		16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,803.53	706.15
			For Class 52 Rating, Deduct	-410.70	
			For Class 54 Rating, Add	280.02	
			For Class 55 Rating, Add	622.39	
40 05 19 00-0832	EA		16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,891.42	709.25
			For Class 52 Rating, Deduct	-419.85	
			For Class 54 Rating, Add	286.26	
			For Class 55 Rating, Add	636.26	
40 05 19 00-0833			18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0834	EA		18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,891.49	670.22
			For Class 52 Rating, Deduct	-96.36	
			For Class 54 Rating, Add	65.70	
			For Class 55 Rating, Add	146.03	
40 05 19 00-0835	EA		18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,992.18	673.32
			For Class 52 Rating, Deduct	-106.92	
			For Class 54 Rating, Add	72.90	
			For Class 55 Rating, Add	162.03	
40 05 19 00-0836	EA		18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,092.87	676.42
			For Class 52 Rating, Deduct	-117.48	
			For Class 54 Rating, Add	80.10	
			For Class 55 Rating, Add	178.04	
40 05 19 00-0837	EA		18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,193.56	679.52
			For Class 52 Rating, Deduct	-128.04	
			For Class 54 Rating, Add	87.30	
			For Class 55 Rating, Add	194.04	
40 05 19 00-0838	EA		18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,294.26	682.62
			For Class 52 Rating, Deduct	-138.60	
			For Class 54 Rating, Add	94.50	
			For Class 55 Rating, Add	210.04	
40 05 19 00-0839	EA		18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,394.95	685.71
			For Class 52 Rating, Deduct	-149.16	
			For Class 54 Rating, Add	101.70	
			For Class 55 Rating, Add	226.05	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0840	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,495.65	688.81
			For Class 52 Rating, Deduct	-159.72	
			For Class 54 Rating, Add	108.90	
			For Class 55 Rating, Add	242.05	
40 05 19 00-0841	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,596.34	691.91
			For Class 52 Rating, Deduct	-170.28	
			For Class 54 Rating, Add	116.10	
			For Class 55 Rating, Add	258.05	
40 05 19 00-0842	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,697.03	695.01
			For Class 52 Rating, Deduct	-180.84	
			For Class 54 Rating, Add	123.30	
			For Class 55 Rating, Add	274.05	
40 05 19 00-0843	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,797.73	698.11
			For Class 52 Rating, Deduct	-191.40	
			For Class 54 Rating, Add	130.50	
			For Class 55 Rating, Add	290.06	
40 05 19 00-0844	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,898.42	701.20
			For Class 52 Rating, Deduct	-201.96	
			For Class 54 Rating, Add	137.70	
			For Class 55 Rating, Add	306.06	
40 05 19 00-0845	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,999.11	704.30
			For Class 52 Rating, Deduct	-212.52	
			For Class 54 Rating, Add	144.90	
			For Class 55 Rating, Add	322.06	
40 05 19 00-0846	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,099.80	707.39
			For Class 52 Rating, Deduct	-223.08	
			For Class 54 Rating, Add	152.10	
			For Class 55 Rating, Add	338.07	
40 05 19 00-0847	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,200.49	710.49
			For Class 52 Rating, Deduct	-233.64	
			For Class 54 Rating, Add	159.30	
			For Class 55 Rating, Add	354.07	
40 05 19 00-0848	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,301.19	713.59
			For Class 52 Rating, Deduct	-244.20	
			For Class 54 Rating, Add	166.50	
			For Class 55 Rating, Add	370.07	
40 05 19 00-0849	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,401.88	716.68
			For Class 52 Rating, Deduct	-254.76	
			For Class 54 Rating, Add	173.70	
			For Class 55 Rating, Add	386.08	
40 05 19 00-0850	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,502.57	719.78
			For Class 52 Rating, Deduct	-265.32	
			For Class 54 Rating, Add	180.90	
			For Class 55 Rating, Add	402.08	
40 05 19 00-0851	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,603.26	722.88
			For Class 52 Rating, Deduct	-275.88	
			For Class 54 Rating, Add	188.10	
			For Class 55 Rating, Add	418.08	
40 05 19 00-0852	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,703.95	725.98
			For Class 52 Rating, Deduct	-286.44	
			For Class 54 Rating, Add	195.30	
			For Class 55 Rating, Add	434.09	
40 05 19 00-0853	EA		18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,804.65	729.08
			For Class 52 Rating, Deduct	-297.00	
			For Class 54 Rating, Add	202.50	
			For Class 55 Rating, Add	450.09	
40 05 19 00-0854	EA		18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,905.34	732.17
			For Class 52 Rating, Deduct	-307.56	
			For Class 54 Rating, Add	209.70	
			For Class 55 Rating, Add	466.09	
40 05 19 00-0855	EA		18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,006.03	735.27
			For Class 52 Rating, Deduct	-318.12	
			For Class 54 Rating, Add	216.90	
			For Class 55 Rating, Add	482.10	
40 05 19 00-0856	EA		18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,106.73	738.37
			For Class 52 Rating, Deduct	-328.68	
			For Class 54 Rating, Add	224.10	
			For Class 55 Rating, Add	498.10	
40 05 19 00-0857	EA		18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,207.43	741.47
			For Class 52 Rating, Deduct	-339.24	
			For Class 54 Rating, Add	231.30	
			For Class 55 Rating, Add	514.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0858	EA		18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,308.12	744.56
			For Class 52 Rating, Deduct	-349.80	
			For Class 54 Rating, Add	238.50	
			For Class 55 Rating, Add	530.11	
40 05 19 00-0859	EA		18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,408.81	747.65
			For Class 52 Rating, Deduct	-360.36	
			For Class 54 Rating, Add	245.70	
			For Class 55 Rating, Add	546.11	
40 05 19 00-0860	EA		18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,509.50	750.75
			For Class 52 Rating, Deduct	-370.92	
			For Class 54 Rating, Add	252.90	
			For Class 55 Rating, Add	562.11	
40 05 19 00-0861	EA		18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,610.19	753.85
			For Class 52 Rating, Deduct	-381.48	
			For Class 54 Rating, Add	260.10	
			For Class 55 Rating, Add	578.12	
40 05 19 00-0862	EA		18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,710.89	756.95
			For Class 52 Rating, Deduct	-392.04	
			For Class 54 Rating, Add	267.30	
			For Class 55 Rating, Add	594.12	
40 05 19 00-0863	EA		18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,811.58	760.04
			For Class 52 Rating, Deduct	-402.60	
			For Class 54 Rating, Add	274.50	
			For Class 55 Rating, Add	610.12	
40 05 19 00-0864	EA		18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,912.27	763.14
			For Class 52 Rating, Deduct	-413.16	
			For Class 54 Rating, Add	281.70	
			For Class 55 Rating, Add	626.13	
40 05 19 00-0865	EA		18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,012.96	766.24
			For Class 52 Rating, Deduct	-423.72	
			For Class 54 Rating, Add	288.90	
			For Class 55 Rating, Add	642.13	
40 05 19 00-0866	EA		18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,113.65	769.34
			For Class 52 Rating, Deduct	-434.28	
			For Class 54 Rating, Add	296.10	
			For Class 55 Rating, Add	658.13	
40 05 19 00-0867	EA		18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,214.35	772.44
			For Class 52 Rating, Deduct	-444.84	
			For Class 54 Rating, Add	303.30	
			For Class 55 Rating, Add	674.13	
40 05 19 00-0868	EA		18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,315.04	775.53
			For Class 52 Rating, Deduct	-455.40	
			For Class 54 Rating, Add	310.50	
			For Class 55 Rating, Add	690.14	
40 05 19 00-0869	EA		18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,415.73	778.63
			For Class 52 Rating, Deduct	-465.96	
			For Class 54 Rating, Add	317.70	
			For Class 55 Rating, Add	706.14	
40 05 19 00-0870	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,516.42	781.73
			For Class 52 Rating, Deduct	-476.52	
			For Class 54 Rating, Add	324.90	
			For Class 55 Rating, Add	722.14	
40 05 19 00-0871	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,617.11	784.82
			For Class 52 Rating, Deduct	-487.08	
			For Class 54 Rating, Add	332.10	
			For Class 55 Rating, Add	738.15	
40 05 19 00-0872			20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0873	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,182.29	764.99
			For Class 52 Rating, Deduct	-112.55	
			For Class 54 Rating, Add	76.74	
			For Class 55 Rating, Add	170.57	
40 05 19 00-0874	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,297.38	768.09
			For Class 52 Rating, Deduct	-124.70	
			For Class 54 Rating, Add	85.02	
			For Class 55 Rating, Add	188.97	
40 05 19 00-0875	EA		20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,412.47	771.19
			For Class 52 Rating, Deduct	-136.84	
			For Class 54 Rating, Add	93.30	
			For Class 55 Rating, Add	207.37	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0876	EA		20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,527.56	774.29
			For Class 52 Rating, Deduct	-148.98	
			For Class 54 Rating, Add	101.58	
			For Class 55 Rating, Add	225.78	
40 05 19 00-0877	EA		20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,642.66	777.39
			For Class 52 Rating, Deduct	-161.13	
			For Class 54 Rating, Add	109.86	
			For Class 55 Rating, Add	244.18	
40 05 19 00-0878	EA		20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,757.75	780.48
			For Class 52 Rating, Deduct	-173.27	
			For Class 54 Rating, Add	118.14	
			For Class 55 Rating, Add	262.59	
40 05 19 00-0879	EA		20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,872.84	783.58
			For Class 52 Rating, Deduct	-185.42	
			For Class 54 Rating, Add	126.42	
			For Class 55 Rating, Add	280.99	
40 05 19 00-0880	EA		20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,987.93	786.68
			For Class 52 Rating, Deduct	-197.56	
			For Class 54 Rating, Add	134.70	
			For Class 55 Rating, Add	299.39	
40 05 19 00-0881	EA		20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,103.02	789.78
			For Class 52 Rating, Deduct	-209.70	
			For Class 54 Rating, Add	142.98	
			For Class 55 Rating, Add	317.80	
40 05 19 00-0882	EA		20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,218.12	792.87
			For Class 52 Rating, Deduct	-221.85	
			For Class 54 Rating, Add	151.26	
			For Class 55 Rating, Add	336.20	
40 05 19 00-0883	EA		20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,333.21	795.96
			For Class 52 Rating, Deduct	-233.99	
			For Class 54 Rating, Add	159.54	
			For Class 55 Rating, Add	354.60	
40 05 19 00-0884	EA		20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,448.31	799.06
			For Class 52 Rating, Deduct	-246.14	
			For Class 54 Rating, Add	167.82	
			For Class 55 Rating, Add	373.01	
40 05 19 00-0885	EA		20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,563.40	802.16
			For Class 52 Rating, Deduct	-258.28	
			For Class 54 Rating, Add	176.10	
			For Class 55 Rating, Add	391.41	
40 05 19 00-0886	EA		20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,678.49	805.26
			For Class 52 Rating, Deduct	-270.42	
			For Class 54 Rating, Add	184.38	
			For Class 55 Rating, Add	409.82	
40 05 19 00-0887	EA		20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,793.59	808.36
			For Class 52 Rating, Deduct	-282.57	
			For Class 54 Rating, Add	192.66	
			For Class 55 Rating, Add	428.22	
40 05 19 00-0888	EA		20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,908.68	811.45
			For Class 52 Rating, Deduct	-294.71	
			For Class 54 Rating, Add	200.94	
			For Class 55 Rating, Add	446.62	
40 05 19 00-0889	EA		20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,023.77	814.55
			For Class 52 Rating, Deduct	-306.86	
			For Class 54 Rating, Add	209.22	
			For Class 55 Rating, Add	465.03	
40 05 19 00-0890	EA		20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,138.86	817.65
			For Class 52 Rating, Deduct	-319.00	
			For Class 54 Rating, Add	217.50	
			For Class 55 Rating, Add	483.43	
40 05 19 00-0891	EA		20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,253.95	820.75
			For Class 52 Rating, Deduct	-331.14	
			For Class 54 Rating, Add	225.78	
			For Class 55 Rating, Add	501.83	
40 05 19 00-0892	EA		20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,369.05	823.85
			For Class 52 Rating, Deduct	-343.29	
			For Class 54 Rating, Add	234.06	
			For Class 55 Rating, Add	520.24	
40 05 19 00-0893	EA		20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,484.14	826.94
			For Class 52 Rating, Deduct	-355.43	
			For Class 54 Rating, Add	242.34	
			For Class 55 Rating, Add	538.64	

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

40 05 19 00-0894	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,599.23	830.03
		<i>For Class 52 Rating, Deduct</i>	-367.58	
		<i>For Class 54 Rating, Add</i>	250.62	
		<i>For Class 55 Rating, Add</i>	557.04	
40 05 19 00-0895	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,714.32	833.13
		<i>For Class 52 Rating, Deduct</i>	-379.72	
		<i>For Class 54 Rating, Add</i>	258.90	
		<i>For Class 55 Rating, Add</i>	575.45	
40 05 19 00-0896	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,829.41	836.23
		<i>For Class 52 Rating, Deduct</i>	-391.86	
		<i>For Class 54 Rating, Add</i>	267.18	
		<i>For Class 55 Rating, Add</i>	593.85	
40 05 19 00-0897	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,944.51	839.33
		<i>For Class 52 Rating, Deduct</i>	-404.01	
		<i>For Class 54 Rating, Add</i>	275.46	
		<i>For Class 55 Rating, Add</i>	612.26	
40 05 19 00-0898	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,059.60	842.42
		<i>For Class 52 Rating, Deduct</i>	-416.15	
		<i>For Class 54 Rating, Add</i>	283.74	
		<i>For Class 55 Rating, Add</i>	630.66	
40 05 19 00-0899	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,174.69	845.52
		<i>For Class 52 Rating, Deduct</i>	-428.30	
		<i>For Class 54 Rating, Add</i>	292.02	
		<i>For Class 55 Rating, Add</i>	649.06	
40 05 19 00-0900	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,289.78	848.62
		<i>For Class 52 Rating, Deduct</i>	-440.44	
		<i>For Class 54 Rating, Add</i>	300.30	
		<i>For Class 55 Rating, Add</i>	667.47	
40 05 19 00-0901	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,404.88	851.72
		<i>For Class 52 Rating, Deduct</i>	-452.58	
		<i>For Class 54 Rating, Add</i>	308.58	
		<i>For Class 55 Rating, Add</i>	685.87	
40 05 19 00-0902	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,519.98	854.82
		<i>For Class 52 Rating, Deduct</i>	-464.73	
		<i>For Class 54 Rating, Add</i>	316.86	
		<i>For Class 55 Rating, Add</i>	704.27	
40 05 19 00-0903	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,635.07	857.91
		<i>For Class 52 Rating, Deduct</i>	-476.87	
		<i>For Class 54 Rating, Add</i>	325.14	
		<i>For Class 55 Rating, Add</i>	722.68	
40 05 19 00-0904	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,750.16	861.01
		<i>For Class 52 Rating, Deduct</i>	-489.02	
		<i>For Class 54 Rating, Add</i>	333.42	
		<i>For Class 55 Rating, Add</i>	741.08	
40 05 19 00-0905	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,865.25	864.11
		<i>For Class 52 Rating, Deduct</i>	-501.16	
		<i>For Class 54 Rating, Add</i>	341.70	
		<i>For Class 55 Rating, Add</i>	759.49	
40 05 19 00-0906	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,980.34	867.21
		<i>For Class 52 Rating, Deduct</i>	-513.30	
		<i>For Class 54 Rating, Add</i>	349.98	
		<i>For Class 55 Rating, Add</i>	777.89	
40 05 19 00-0907	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,095.44	870.30
		<i>For Class 52 Rating, Deduct</i>	-525.45	
		<i>For Class 54 Rating, Add</i>	358.26	
		<i>For Class 55 Rating, Add</i>	796.29	
40 05 19 00-0908	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,210.53	873.39
		<i>For Class 52 Rating, Deduct</i>	-537.59	
		<i>For Class 54 Rating, Add</i>	366.54	
		<i>For Class 55 Rating, Add</i>	814.70	
40 05 19 00-0909	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,325.62	876.49
		<i>For Class 52 Rating, Deduct</i>	-549.74	
		<i>For Class 54 Rating, Add</i>	374.82	
		<i>For Class 55 Rating, Add</i>	833.10	
40 05 19 00-0910	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,440.71	879.59
		<i>For Class 52 Rating, Deduct</i>	-561.88	
		<i>For Class 54 Rating, Add</i>	383.10	
		<i>For Class 55 Rating, Add</i>	851.50	

40 05 19 00-0911 24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0912	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,663.06	904.37
		<i>For Class 52 Rating, Deduct</i>	-142.21	
		<i>For Class 54 Rating, Add</i>	96.96	
		<i>For Class 55 Rating, Add</i>	215.51	
40 05 19 00-0913	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,804.55	907.46
		<i>For Class 52 Rating, Deduct</i>	-157.26	
		<i>For Class 54 Rating, Add</i>	107.22	
		<i>For Class 55 Rating, Add</i>	238.31	
40 05 19 00-0914	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,946.04	910.56
		<i>For Class 52 Rating, Deduct</i>	-172.30	
		<i>For Class 54 Rating, Add</i>	117.48	
		<i>For Class 55 Rating, Add</i>	261.12	
40 05 19 00-0915	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,087.54	913.66
		<i>For Class 52 Rating, Deduct</i>	-187.35	
		<i>For Class 54 Rating, Add</i>	127.74	
		<i>For Class 55 Rating, Add</i>	283.92	
40 05 19 00-0916	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,229.03	916.75
		<i>For Class 52 Rating, Deduct</i>	-202.40	
		<i>For Class 54 Rating, Add</i>	138.00	
		<i>For Class 55 Rating, Add</i>	306.73	
40 05 19 00-0917	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,370.52	919.85
		<i>For Class 52 Rating, Deduct</i>	-217.45	
		<i>For Class 54 Rating, Add</i>	148.26	
		<i>For Class 55 Rating, Add</i>	329.53	
40 05 19 00-0918	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,512.01	922.95
		<i>For Class 52 Rating, Deduct</i>	-232.50	
		<i>For Class 54 Rating, Add</i>	158.52	
		<i>For Class 55 Rating, Add</i>	352.34	
40 05 19 00-0919	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,653.50	926.05
		<i>For Class 52 Rating, Deduct</i>	-247.54	
		<i>For Class 54 Rating, Add</i>	168.78	
		<i>For Class 55 Rating, Add</i>	375.14	
40 05 19 00-0920	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,795.00	929.15
		<i>For Class 52 Rating, Deduct</i>	-262.59	
		<i>For Class 54 Rating, Add</i>	179.04	
		<i>For Class 55 Rating, Add</i>	397.95	
40 05 19 00-0921	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,936.49	932.24
		<i>For Class 52 Rating, Deduct</i>	-277.64	
		<i>For Class 54 Rating, Add</i>	189.30	
		<i>For Class 55 Rating, Add</i>	420.75	
40 05 19 00-0922	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,077.98	935.34
		<i>For Class 52 Rating, Deduct</i>	-292.69	
		<i>For Class 54 Rating, Add</i>	199.56	
		<i>For Class 55 Rating, Add</i>	443.56	
40 05 19 00-0923	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,219.47	938.44
		<i>For Class 52 Rating, Deduct</i>	-307.74	
		<i>For Class 54 Rating, Add</i>	209.82	
		<i>For Class 55 Rating, Add</i>	466.36	
40 05 19 00-0924	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,360.96	941.54
		<i>For Class 52 Rating, Deduct</i>	-322.78	
		<i>For Class 54 Rating, Add</i>	220.08	
		<i>For Class 55 Rating, Add</i>	489.16	
40 05 19 00-0925	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,502.46	944.63
		<i>For Class 52 Rating, Deduct</i>	-337.83	
		<i>For Class 54 Rating, Add</i>	230.34	
		<i>For Class 55 Rating, Add</i>	511.97	
40 05 19 00-0926	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,643.95	947.72
		<i>For Class 52 Rating, Deduct</i>	-352.88	
		<i>For Class 54 Rating, Add</i>	240.60	
		<i>For Class 55 Rating, Add</i>	534.77	
40 05 19 00-0927	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,785.44	950.82
		<i>For Class 52 Rating, Deduct</i>	-367.93	
		<i>For Class 54 Rating, Add</i>	250.86	
		<i>For Class 55 Rating, Add</i>	557.58	
40 05 19 00-0928	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,926.94	953.92
		<i>For Class 52 Rating, Deduct</i>	-382.98	
		<i>For Class 54 Rating, Add</i>	261.12	
		<i>For Class 55 Rating, Add</i>	580.38	
40 05 19 00-0929	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,068.43	957.02
		<i>For Class 52 Rating, Deduct</i>	-398.02	
		<i>For Class 54 Rating, Add</i>	271.38	
		<i>For Class 55 Rating, Add</i>	603.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0930	EA		24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	5,209.93	960.12
			For Class 52 Rating, Deduct	-413.07	
			For Class 54 Rating, Add	281.64	
			For Class 55 Rating, Add	625.99	
40 05 19 00-0931	EA		24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	5,351.42	963.21
			For Class 52 Rating, Deduct	-428.12	
			For Class 54 Rating, Add	291.90	
			For Class 55 Rating, Add	648.80	
40 05 19 00-0932	EA		24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	5,492.91	966.31
			For Class 52 Rating, Deduct	-443.17	
			For Class 54 Rating, Add	302.16	
			For Class 55 Rating, Add	671.60	
40 05 19 00-0933	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	5,634.40	969.41
			For Class 52 Rating, Deduct	-458.22	
			For Class 54 Rating, Add	312.42	
			For Class 55 Rating, Add	694.41	
40 05 19 00-0934	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	5,775.89	972.51
			For Class 52 Rating, Deduct	-473.26	
			For Class 54 Rating, Add	322.68	
			For Class 55 Rating, Add	717.21	
40 05 19 00-0935	EA		24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	5,917.39	975.61
			For Class 52 Rating, Deduct	-488.31	
			For Class 54 Rating, Add	332.94	
			For Class 55 Rating, Add	740.01	
40 05 19 00-0936	EA		24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	6,058.88	978.70
			For Class 52 Rating, Deduct	-503.36	
			For Class 54 Rating, Add	343.20	
			For Class 55 Rating, Add	762.82	
40 05 19 00-0937	EA		24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	6,200.37	981.80
			For Class 52 Rating, Deduct	-518.41	
			For Class 54 Rating, Add	353.46	
			For Class 55 Rating, Add	785.62	
40 05 19 00-0938	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	6,341.86	984.89
			For Class 52 Rating, Deduct	-533.46	
			For Class 54 Rating, Add	363.72	
			For Class 55 Rating, Add	808.43	
40 05 19 00-0939	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	6,483.35	987.99
			For Class 52 Rating, Deduct	-548.50	
			For Class 54 Rating, Add	373.98	
			For Class 55 Rating, Add	831.23	
40 05 19 00-0940	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	6,624.85	991.09
			For Class 52 Rating, Deduct	-563.55	
			For Class 54 Rating, Add	384.24	
			For Class 55 Rating, Add	854.04	
40 05 19 00-0941	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	6,846.11	1,046.84
			For Class 52 Rating, Deduct	-578.60	
			For Class 54 Rating, Add	394.50	
			For Class 55 Rating, Add	876.84	
40 05 19 00-0942	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	6,987.61	1,049.94
			For Class 52 Rating, Deduct	-593.65	
			For Class 54 Rating, Add	404.76	
			For Class 55 Rating, Add	899.65	
40 05 19 00-0943	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	7,129.10	1,053.03
			For Class 52 Rating, Deduct	-608.70	
			For Class 54 Rating, Add	415.02	
			For Class 55 Rating, Add	922.45	
40 05 19 00-0944	EA		24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	7,270.59	1,056.13
			For Class 52 Rating, Deduct	-623.74	
			For Class 54 Rating, Add	425.28	
			For Class 55 Rating, Add	945.26	
40 05 19 00-0945	EA		24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	7,412.09	1,059.23
			For Class 52 Rating, Deduct	-638.79	
			For Class 54 Rating, Add	435.54	
			For Class 55 Rating, Add	968.06	
40 05 19 00-0946	EA		24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	7,553.58	1,062.32
			For Class 52 Rating, Deduct	-653.84	
			For Class 54 Rating, Add	445.80	
			For Class 55 Rating, Add	990.86	
40 05 19 00-0947	EA		24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	7,695.08	1,065.42
			For Class 52 Rating, Deduct	-668.89	
			For Class 54 Rating, Add	456.06	
			For Class 55 Rating, Add	1,013.67	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0948	EA 24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,836.57	1,068.51
	For Class 52 Rating, Deduct	-683.94	
	For Class 54 Rating, Add	466.32	
	For Class 55 Rating, Add	1,036.47	
40 05 19 00-0949	EA 24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,978.06	1,071.61
	For Class 52 Rating, Deduct	-698.98	
	For Class 54 Rating, Add	476.58	
	For Class 55 Rating, Add	1,059.28	
40 05 19 00-0950	30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0954)</small>		
40 05 19 00-0951	EA 30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,997.38	1,276.03
	For Class 52 Rating, Deduct	-227.04	
	For Class 54 Rating, Add	154.80	
	For Class 55 Rating, Add	344.07	
40 05 19 00-0952	EA 30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,199.67	1,279.13
	For Class 52 Rating, Deduct	-248.78	
	For Class 54 Rating, Add	169.62	
	For Class 55 Rating, Add	377.01	
40 05 19 00-0953	EA 30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,401.96	1,282.22
	For Class 52 Rating, Deduct	-270.51	
	For Class 54 Rating, Add	184.44	
	For Class 55 Rating, Add	409.95	
40 05 19 00-0954	EA 30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,604.25	1,285.32
	For Class 52 Rating, Deduct	-292.25	
	For Class 54 Rating, Add	199.26	
	For Class 55 Rating, Add	442.89	
40 05 19 00-0955	EA 30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,806.54	1,288.42
	For Class 52 Rating, Deduct	-313.98	
	For Class 54 Rating, Add	214.08	
	For Class 55 Rating, Add	475.83	
40 05 19 00-0956	EA 30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,008.84	1,291.51
	For Class 52 Rating, Deduct	-335.72	
	For Class 54 Rating, Add	228.90	
	For Class 55 Rating, Add	508.77	
40 05 19 00-0957	EA 30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,211.13	1,294.60
	For Class 52 Rating, Deduct	-357.46	
	For Class 54 Rating, Add	243.72	
	For Class 55 Rating, Add	541.71	
40 05 19 00-0958	EA 30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,413.42	1,297.70
	For Class 52 Rating, Deduct	-379.19	
	For Class 54 Rating, Add	258.54	
	For Class 55 Rating, Add	574.65	
40 05 19 00-0959	EA 30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,615.71	1,300.80
	For Class 52 Rating, Deduct	-400.93	
	For Class 54 Rating, Add	273.36	
	For Class 55 Rating, Add	607.59	
40 05 19 00-0960	EA 30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,818.00	1,303.90
	For Class 52 Rating, Deduct	-422.66	
	For Class 54 Rating, Add	288.18	
	For Class 55 Rating, Add	640.53	
40 05 19 00-0961	EA 30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,020.30	1,307.00
	For Class 52 Rating, Deduct	-444.40	
	For Class 54 Rating, Add	303.00	
	For Class 55 Rating, Add	673.47	
40 05 19 00-0962	EA 30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,222.59	1,310.09
	For Class 52 Rating, Deduct	-466.14	
	For Class 54 Rating, Add	317.82	
	For Class 55 Rating, Add	706.41	
40 05 19 00-0963	EA 30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,424.88	1,313.19
	For Class 52 Rating, Deduct	-487.87	
	For Class 54 Rating, Add	332.64	
	For Class 55 Rating, Add	739.35	
40 05 19 00-0964	EA 30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,627.18	1,316.29
	For Class 52 Rating, Deduct	-509.61	
	For Class 54 Rating, Add	347.46	
	For Class 55 Rating, Add	772.29	
40 05 19 00-0965	EA 30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,829.47	1,319.39
	For Class 52 Rating, Deduct	-531.34	
	For Class 54 Rating, Add	362.28	
	For Class 55 Rating, Add	805.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0966	EA		30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,031.77	1,322.49
			For Class 52 Rating, Deduct	-553.08	
			For Class 54 Rating, Add	377.10	
			For Class 55 Rating, Add	838.17	
40 05 19 00-0967	EA		30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,234.06	1,325.58
			For Class 52 Rating, Deduct	-574.82	
			For Class 54 Rating, Add	391.92	
			For Class 55 Rating, Add	871.11	
40 05 19 00-0968	EA		30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,436.35	1,328.68
			For Class 52 Rating, Deduct	-596.55	
			For Class 54 Rating, Add	406.74	
			For Class 55 Rating, Add	904.05	
40 05 19 00-0969	EA		30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,638.64	1,331.77
			For Class 52 Rating, Deduct	-618.29	
			For Class 54 Rating, Add	421.56	
			For Class 55 Rating, Add	936.99	
40 05 19 00-0970	EA		30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,840.93	1,334.87
			For Class 52 Rating, Deduct	-640.02	
			For Class 54 Rating, Add	436.38	
			For Class 55 Rating, Add	969.93	
40 05 19 00-0971	EA		30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,043.23	1,337.97
			For Class 52 Rating, Deduct	-661.76	
			For Class 54 Rating, Add	451.20	
			For Class 55 Rating, Add	1,002.87	
40 05 19 00-0972	EA		30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,245.52	1,341.06
			For Class 52 Rating, Deduct	-683.50	
			For Class 54 Rating, Add	466.02	
			For Class 55 Rating, Add	1,035.81	
40 05 19 00-0973	EA		30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,447.81	1,344.16
			For Class 52 Rating, Deduct	-705.23	
			For Class 54 Rating, Add	480.84	
			For Class 55 Rating, Add	1,068.75	
40 05 19 00-0974	EA		30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,650.10	1,347.26
			For Class 52 Rating, Deduct	-726.97	
			For Class 54 Rating, Add	495.66	
			For Class 55 Rating, Add	1,101.69	
40 05 19 00-0975	EA		30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,852.39	1,350.36
			For Class 52 Rating, Deduct	-748.70	
			For Class 54 Rating, Add	510.48	
			For Class 55 Rating, Add	1,134.63	
40 05 19 00-0976	EA		30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,054.69	1,353.46
			For Class 52 Rating, Deduct	-770.44	
			For Class 54 Rating, Add	525.30	
			For Class 55 Rating, Add	1,167.57	
40 05 19 00-0977	EA		30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,256.98	1,356.55
			For Class 52 Rating, Deduct	-792.18	
			For Class 54 Rating, Add	540.12	
			For Class 55 Rating, Add	1,200.51	
40 05 19 00-0978	EA		30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,459.27	1,359.65
			For Class 52 Rating, Deduct	-813.91	
			For Class 54 Rating, Add	554.94	
			For Class 55 Rating, Add	1,233.45	
40 05 19 00-0979	EA		30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,661.56	1,362.75
			For Class 52 Rating, Deduct	-835.65	
			For Class 54 Rating, Add	569.76	
			For Class 55 Rating, Add	1,266.39	
40 05 19 00-0980	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,863.86	1,365.85
			For Class 52 Rating, Deduct	-857.38	
			For Class 54 Rating, Add	584.58	
			For Class 55 Rating, Add	1,299.33	
40 05 19 00-0981	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,066.16	1,368.94
			For Class 52 Rating, Deduct	-879.12	
			For Class 54 Rating, Add	599.40	
			For Class 55 Rating, Add	1,332.27	
40 05 19 00-0982	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,268.45	1,372.03
			For Class 52 Rating, Deduct	-900.86	
			For Class 54 Rating, Add	614.22	
			For Class 55 Rating, Add	1,365.21	
40 05 19 00-0983	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,470.74	1,375.13
			For Class 52 Rating, Deduct	-922.59	
			For Class 54 Rating, Add	629.04	
			For Class 55 Rating, Add	1,398.15	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0984	EA		30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,673.03	1,378.23
			For Class 52 Rating, Deduct	-944.33	
			For Class 54 Rating, Add	643.86	
			For Class 55 Rating, Add	1,431.09	
40 05 19 00-0985	EA		30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,875.33	1,381.33
			For Class 52 Rating, Deduct	-966.06	
			For Class 54 Rating, Add	658.68	
			For Class 55 Rating, Add	1,464.03	
40 05 19 00-0986	EA		30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,077.62	1,384.43
			For Class 52 Rating, Deduct	-987.80	
			For Class 54 Rating, Add	673.50	
			For Class 55 Rating, Add	1,496.97	
40 05 19 00-0987	EA		30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,279.91	1,387.52
			For Class 52 Rating, Deduct	-1,009.54	
			For Class 54 Rating, Add	688.32	
			For Class 55 Rating, Add	1,529.91	
40 05 19 00-0988	EA		30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,482.20	1,390.62
			For Class 52 Rating, Deduct	-1,031.27	
			For Class 54 Rating, Add	703.14	
			For Class 55 Rating, Add	1,562.85	
40 05 19 00-0989			36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0990	EA		36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,359.16	1,616.71
			For Class 52 Rating, Deduct	-320.06	
			For Class 54 Rating, Add	218.22	
			For Class 55 Rating, Add	485.03	
40 05 19 00-0991	EA		36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,632.65	1,619.81
			For Class 52 Rating, Deduct	-349.62	
			For Class 54 Rating, Add	238.38	
			For Class 55 Rating, Add	529.84	
40 05 19 00-0992	EA		36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,906.15	1,622.91
			For Class 52 Rating, Deduct	-379.19	
			For Class 54 Rating, Add	258.54	
			For Class 55 Rating, Add	574.65	
40 05 19 00-0993	EA		36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,179.65	1,626.01
			For Class 52 Rating, Deduct	-408.76	
			For Class 54 Rating, Add	278.70	
			For Class 55 Rating, Add	619.46	
40 05 19 00-0994	EA		36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,453.14	1,629.10
			For Class 52 Rating, Deduct	-438.33	
			For Class 54 Rating, Add	298.86	
			For Class 55 Rating, Add	664.27	
40 05 19 00-0995	EA		36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,726.63	1,632.20
			For Class 52 Rating, Deduct	-467.90	
			For Class 54 Rating, Add	319.02	
			For Class 55 Rating, Add	709.08	
40 05 19 00-0996	EA		36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,000.12	1,635.30
			For Class 52 Rating, Deduct	-497.46	
			For Class 54 Rating, Add	339.18	
			For Class 55 Rating, Add	753.88	
40 05 19 00-0997	EA		36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,273.62	1,638.40
			For Class 52 Rating, Deduct	-527.03	
			For Class 54 Rating, Add	359.34	
			For Class 55 Rating, Add	798.69	
40 05 19 00-0998	EA		36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,547.11	1,641.49
			For Class 52 Rating, Deduct	-556.60	
			For Class 54 Rating, Add	379.50	
			For Class 55 Rating, Add	843.50	
40 05 19 00-0999	EA		36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,820.60	1,644.58
			For Class 52 Rating, Deduct	-586.17	
			For Class 54 Rating, Add	399.66	
			For Class 55 Rating, Add	888.31	
40 05 19 00-1000	EA		36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,094.09	1,647.68
			For Class 52 Rating, Deduct	-615.74	
			For Class 54 Rating, Add	419.82	
			For Class 55 Rating, Add	933.12	
40 05 19 00-1001	EA		36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,367.58	1,650.78
			For Class 52 Rating, Deduct	-645.30	
			For Class 54 Rating, Add	439.98	
			For Class 55 Rating, Add	977.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1002	EA		36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,641.08	1,653.88
			For Class 52 Rating, Deduct	-674.87	
			For Class 54 Rating, Add	460.14	
			For Class 55 Rating, Add	1,022.74	
40 05 19 00-1003	EA		36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,914.57	1,656.98
			For Class 52 Rating, Deduct	-704.44	
			For Class 54 Rating, Add	480.30	
			For Class 55 Rating, Add	1,067.55	
40 05 19 00-1004	EA		36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,188.06	1,660.07
			For Class 52 Rating, Deduct	-734.01	
			For Class 54 Rating, Add	500.46	
			For Class 55 Rating, Add	1,112.36	
40 05 19 00-1005	EA		36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,461.55	1,663.17
			For Class 52 Rating, Deduct	-763.58	
			For Class 54 Rating, Add	520.62	
			For Class 55 Rating, Add	1,157.16	
40 05 19 00-1006	EA		36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,735.04	1,666.27
			For Class 52 Rating, Deduct	-793.14	
			For Class 54 Rating, Add	540.78	
			For Class 55 Rating, Add	1,201.97	
40 05 19 00-1007	EA		36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,008.54	1,669.37
			For Class 52 Rating, Deduct	-822.71	
			For Class 54 Rating, Add	560.94	
			For Class 55 Rating, Add	1,246.78	
40 05 19 00-1008	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,282.03	1,672.47
			For Class 52 Rating, Deduct	-852.28	
			For Class 54 Rating, Add	581.10	
			For Class 55 Rating, Add	1,291.59	
40 05 19 00-1009	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,555.52	1,675.56
			For Class 52 Rating, Deduct	-881.85	
			For Class 54 Rating, Add	601.26	
			For Class 55 Rating, Add	1,336.40	
40 05 19 00-1010	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,829.02	1,678.65
			For Class 52 Rating, Deduct	-911.42	
			For Class 54 Rating, Add	621.42	
			For Class 55 Rating, Add	1,381.21	
40 05 19 00-1011	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,102.51	1,681.75
			For Class 52 Rating, Deduct	-940.98	
			For Class 54 Rating, Add	641.58	
			For Class 55 Rating, Add	1,426.02	
40 05 19 00-1012	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,376.01	1,684.85
			For Class 52 Rating, Deduct	-970.55	
			For Class 54 Rating, Add	661.74	
			For Class 55 Rating, Add	1,470.83	
40 05 19 00-1013	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,649.50	1,687.95
			For Class 52 Rating, Deduct	-1,000.12	
			For Class 54 Rating, Add	681.90	
			For Class 55 Rating, Add	1,515.64	
40 05 19 00-1014	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,922.99	1,691.04
			For Class 52 Rating, Deduct	-1,029.69	
			For Class 54 Rating, Add	702.06	
			For Class 55 Rating, Add	1,560.45	
40 05 19 00-1015	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,196.48	1,694.14
			For Class 52 Rating, Deduct	-1,059.26	
			For Class 54 Rating, Add	722.22	
			For Class 55 Rating, Add	1,605.25	
40 05 19 00-1016	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,469.97	1,697.24
			For Class 52 Rating, Deduct	-1,088.82	
			For Class 54 Rating, Add	742.38	
			For Class 55 Rating, Add	1,650.06	
40 05 19 00-1017	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,743.47	1,700.34
			For Class 52 Rating, Deduct	-1,118.39	
			For Class 54 Rating, Add	762.54	
			For Class 55 Rating, Add	1,694.87	
40 05 19 00-1018	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,016.96	1,703.44
			For Class 52 Rating, Deduct	-1,147.96	
			For Class 54 Rating, Add	782.70	
			For Class 55 Rating, Add	1,739.68	
40 05 19 00-1019	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,290.45	1,706.53
			For Class 52 Rating, Deduct	-1,177.53	
			For Class 54 Rating, Add	802.86	
			For Class 55 Rating, Add	1,784.49	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1020	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,563.94	1,709.63
			For Class 52 Rating, Deduct	-1,207.10	
			For Class 54 Rating, Add	823.02	
			For Class 55 Rating, Add	1,829.30	
40 05 19 00-1021	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,837.43	1,712.73
			For Class 52 Rating, Deduct	-1,236.66	
			For Class 54 Rating, Add	843.18	
			For Class 55 Rating, Add	1,874.11	
40 05 19 00-1022	EA		36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,110.93	1,715.82
			For Class 52 Rating, Deduct	-1,266.23	
			For Class 54 Rating, Add	863.34	
			For Class 55 Rating, Add	1,918.92	
40 05 19 00-1023	EA		36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,384.42	1,718.91
			For Class 52 Rating, Deduct	-1,295.80	
			For Class 54 Rating, Add	883.50	
			For Class 55 Rating, Add	1,963.73	
40 05 19 00-1024	EA		36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,657.91	1,722.01
			For Class 52 Rating, Deduct	-1,325.37	
			For Class 54 Rating, Add	903.66	
			For Class 55 Rating, Add	2,008.53	
40 05 19 00-1025	EA		36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,931.40	1,725.11
			For Class 52 Rating, Deduct	-1,354.94	
			For Class 54 Rating, Add	923.82	
			For Class 55 Rating, Add	2,053.34	
40 05 19 00-1026	EA		36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,204.91	1,728.21
			For Class 52 Rating, Deduct	-1,384.50	
			For Class 54 Rating, Add	943.98	
			For Class 55 Rating, Add	2,098.15	
40 05 19 00-1027	EA		36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,478.40	1,731.31
			For Class 52 Rating, Deduct	-1,414.07	
			For Class 54 Rating, Add	964.14	
			For Class 55 Rating, Add	2,142.96	
40 05 19 00-1028			Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0001)		
40 05 19 00-1029			4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1030	EA		4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	345.49	151.47
			For Class 52 Rating, Deduct	-12.76	
			For Class 54 Rating, Add	8.70	
			For Class 55 Rating, Add	19.34	
40 05 19 00-1031	EA		4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	370.31	154.12
			For Class 52 Rating, Deduct	-15.05	
			For Class 54 Rating, Add	10.26	
			For Class 55 Rating, Add	22.80	
40 05 19 00-1032	EA		4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	395.12	156.77
			For Class 52 Rating, Deduct	-17.34	
			For Class 54 Rating, Add	11.82	
			For Class 55 Rating, Add	26.27	
40 05 19 00-1033	EA		4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	419.94	159.41
			For Class 52 Rating, Deduct	-19.62	
			For Class 54 Rating, Add	13.38	
			For Class 55 Rating, Add	29.74	
40 05 19 00-1034	EA		4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	444.74	162.06
			For Class 52 Rating, Deduct	-21.91	
			For Class 54 Rating, Add	14.94	
			For Class 55 Rating, Add	33.21	
40 05 19 00-1035	EA		4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	469.55	164.71
			For Class 52 Rating, Deduct	-24.20	
			For Class 54 Rating, Add	16.50	
			For Class 55 Rating, Add	36.67	
40 05 19 00-1036	EA		4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	494.37	167.36
			For Class 52 Rating, Deduct	-26.49	
			For Class 54 Rating, Add	18.06	
			For Class 55 Rating, Add	40.14	
40 05 19 00-1037	EA		4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	519.18	170.00
			For Class 52 Rating, Deduct	-28.78	
			For Class 54 Rating, Add	19.62	
			For Class 55 Rating, Add	43.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1038	EA		4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	543.99	172.65
			For Class 52 Rating, Deduct	-31.06	
			For Class 54 Rating, Add	21.18	
			For Class 55 Rating, Add	47.08	
40 05 19 00-1039	EA		4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	568.80	175.31
			For Class 52 Rating, Deduct	-33.35	
			For Class 54 Rating, Add	22.74	
			For Class 55 Rating, Add	50.54	
40 05 19 00-1040	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	593.62	177.95
			For Class 52 Rating, Deduct	-35.64	
			For Class 54 Rating, Add	24.30	
			For Class 55 Rating, Add	54.01	
40 05 19 00-1041	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	618.43	180.60
			For Class 52 Rating, Deduct	-37.93	
			For Class 54 Rating, Add	25.86	
			For Class 55 Rating, Add	57.48	
40 05 19 00-1042	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	643.25	183.25
			For Class 52 Rating, Deduct	-40.22	
			For Class 54 Rating, Add	27.42	
			For Class 55 Rating, Add	60.95	
40 05 19 00-1043	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	668.05	185.89
			For Class 52 Rating, Deduct	-42.50	
			For Class 54 Rating, Add	28.98	
			For Class 55 Rating, Add	64.41	
40 05 19 00-1044	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	692.86	188.54
			For Class 52 Rating, Deduct	-44.79	
			For Class 54 Rating, Add	30.54	
			For Class 55 Rating, Add	67.88	
40 05 19 00-1045	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	717.68	191.19
			For Class 52 Rating, Deduct	-47.08	
			For Class 54 Rating, Add	32.10	
			For Class 55 Rating, Add	71.35	
40 05 19 00-1046	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	742.49	193.84
			For Class 52 Rating, Deduct	-49.37	
			For Class 54 Rating, Add	33.66	
			For Class 55 Rating, Add	74.81	
40 05 19 00-1047	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	767.30	196.48
			For Class 52 Rating, Deduct	-51.66	
			For Class 54 Rating, Add	35.22	
			For Class 55 Rating, Add	78.28	
40 05 19 00-1048	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	792.11	199.13
			For Class 52 Rating, Deduct	-53.94	
			For Class 54 Rating, Add	36.78	
			For Class 55 Rating, Add	81.75	
40 05 19 00-1049	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	816.93	201.79
			For Class 52 Rating, Deduct	-56.23	
			For Class 54 Rating, Add	38.34	
			For Class 55 Rating, Add	85.22	
40 05 19 00-1050	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	841.74	204.44
			For Class 52 Rating, Deduct	-58.52	
			For Class 54 Rating, Add	39.90	
			For Class 55 Rating, Add	88.68	
40 05 19 00-1051	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	866.56	207.08
			For Class 52 Rating, Deduct	-60.81	
			For Class 54 Rating, Add	41.46	
			For Class 55 Rating, Add	92.15	
40 05 19 00-1052	EA		4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	891.36	209.72
			For Class 52 Rating, Deduct	-63.10	
			For Class 54 Rating, Add	43.02	
			For Class 55 Rating, Add	95.62	
40 05 19 00-1053	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	916.17	212.37
			For Class 52 Rating, Deduct	-65.38	
			For Class 54 Rating, Add	44.58	
			For Class 55 Rating, Add	99.09	
40 05 19 00-1054	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	940.99	215.02
			For Class 52 Rating, Deduct	-67.67	
			For Class 54 Rating, Add	46.14	
			For Class 55 Rating, Add	102.55	
40 05 19 00-1055	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	965.80	217.67
			For Class 52 Rating, Deduct	-69.96	
			For Class 54 Rating, Add	47.70	
			For Class 55 Rating, Add	106.02	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1056	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	990.61	220.32
			<i>For Class 52 Rating, Deduct</i>	-72.25	
			<i>For Class 54 Rating, Add</i>	49.26	
			<i>For Class 55 Rating, Add</i>	109.49	
40 05 19 00-1057	EA		4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,015.42	222.97
			<i>For Class 52 Rating, Deduct</i>	-74.54	
			<i>For Class 54 Rating, Add</i>	50.82	
			<i>For Class 55 Rating, Add</i>	112.96	
40 05 19 00-1058	EA		4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,040.24	225.61
			<i>For Class 52 Rating, Deduct</i>	-76.82	
			<i>For Class 54 Rating, Add</i>	52.38	
			<i>For Class 55 Rating, Add</i>	116.42	
40 05 19 00-1059	EA		4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,065.05	228.26
			<i>For Class 52 Rating, Deduct</i>	-79.11	
			<i>For Class 54 Rating, Add</i>	53.94	
			<i>For Class 55 Rating, Add</i>	119.89	
40 05 19 00-1060	EA		4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,089.86	230.92
			<i>For Class 52 Rating, Deduct</i>	-81.40	
			<i>For Class 54 Rating, Add</i>	55.50	
			<i>For Class 55 Rating, Add</i>	123.36	
40 05 19 00-1061	EA		4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,114.67	233.57
			<i>For Class 52 Rating, Deduct</i>	-83.69	
			<i>For Class 54 Rating, Add</i>	57.06	
			<i>For Class 55 Rating, Add</i>	126.83	
40 05 19 00-1062	EA		4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,139.48	236.20
			<i>For Class 52 Rating, Deduct</i>	-85.98	
			<i>For Class 54 Rating, Add</i>	58.62	
			<i>For Class 55 Rating, Add</i>	130.29	
40 05 19 00-1063	EA		4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,164.30	238.85
			<i>For Class 52 Rating, Deduct</i>	-88.26	
			<i>For Class 54 Rating, Add</i>	60.18	
			<i>For Class 55 Rating, Add</i>	133.76	
40 05 19 00-1064	EA		4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,189.11	241.50
			<i>For Class 52 Rating, Deduct</i>	-90.55	
			<i>For Class 54 Rating, Add</i>	61.74	
			<i>For Class 55 Rating, Add</i>	137.23	
40 05 19 00-1065	EA		4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,213.93	244.15
			<i>For Class 52 Rating, Deduct</i>	-92.84	
			<i>For Class 54 Rating, Add</i>	63.30	
			<i>For Class 55 Rating, Add</i>	140.69	
40 05 19 00-1066	EA		4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,238.73	246.80
			<i>For Class 52 Rating, Deduct</i>	-95.13	
			<i>For Class 54 Rating, Add</i>	64.86	
			<i>For Class 55 Rating, Add</i>	144.16	
40 05 19 00-1067	EA		4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,263.55	249.45
			<i>For Class 52 Rating, Deduct</i>	-97.42	
			<i>For Class 54 Rating, Add</i>	66.42	
			<i>For Class 55 Rating, Add</i>	147.63	
40 05 19 00-1068	EA		4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,288.36	252.10
			<i>For Class 52 Rating, Deduct</i>	-99.70	
			<i>For Class 54 Rating, Add</i>	67.98	
			<i>For Class 55 Rating, Add</i>	151.10	
40 05 19 00-1069			6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-1028)</small>		
40 05 19 00-1070	EA		6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	433.68	190.66
			<i>For Class 52 Rating, Deduct</i>	-15.93	
			<i>For Class 54 Rating, Add</i>	10.86	
			<i>For Class 55 Rating, Add</i>	24.14	
40 05 19 00-1071	EA		6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	463.29	193.31
			<i>For Class 52 Rating, Deduct</i>	-18.74	
			<i>For Class 54 Rating, Add</i>	12.78	
			<i>For Class 55 Rating, Add</i>	28.41	
40 05 19 00-1072	EA		6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	492.91	195.95
			<i>For Class 52 Rating, Deduct</i>	-21.56	
			<i>For Class 54 Rating, Add</i>	14.70	
			<i>For Class 55 Rating, Add</i>	32.67	
40 05 19 00-1073	EA		6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	522.52	198.60
			<i>For Class 52 Rating, Deduct</i>	-24.38	
			<i>For Class 54 Rating, Add</i>	16.62	
			<i>For Class 55 Rating, Add</i>	36.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1074	EA		6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	552.13	201.26
			For Class 52 Rating, Deduct	-27.19	
			For Class 54 Rating, Add	18.54	
			For Class 55 Rating, Add	41.21	
40 05 19 00-1075	EA		6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	581.74	203.90
			For Class 52 Rating, Deduct	-30.01	
			For Class 54 Rating, Add	20.46	
			For Class 55 Rating, Add	45.48	
40 05 19 00-1076	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	611.35	206.55
			For Class 52 Rating, Deduct	-32.82	
			For Class 54 Rating, Add	22.38	
			For Class 55 Rating, Add	49.74	
40 05 19 00-1077	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	640.97	209.20
			For Class 52 Rating, Deduct	-35.64	
			For Class 54 Rating, Add	24.30	
			For Class 55 Rating, Add	54.01	
40 05 19 00-1078	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	670.57	211.85
			For Class 52 Rating, Deduct	-38.46	
			For Class 54 Rating, Add	26.22	
			For Class 55 Rating, Add	58.28	
40 05 19 00-1079	EA		6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	700.19	214.48
			For Class 52 Rating, Deduct	-41.27	
			For Class 54 Rating, Add	28.14	
			For Class 55 Rating, Add	62.55	
40 05 19 00-1080	EA		6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	729.80	217.14
			For Class 52 Rating, Deduct	-44.09	
			For Class 54 Rating, Add	30.06	
			For Class 55 Rating, Add	66.81	
40 05 19 00-1081	EA		6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	759.42	219.79
			For Class 52 Rating, Deduct	-46.90	
			For Class 54 Rating, Add	31.98	
			For Class 55 Rating, Add	71.08	
40 05 19 00-1082	EA		6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	789.03	222.43
			For Class 52 Rating, Deduct	-49.72	
			For Class 54 Rating, Add	33.90	
			For Class 55 Rating, Add	75.35	
40 05 19 00-1083	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	818.64	225.08
			For Class 52 Rating, Deduct	-52.54	
			For Class 54 Rating, Add	35.82	
			For Class 55 Rating, Add	79.62	
40 05 19 00-1084	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	848.25	227.73
			For Class 52 Rating, Deduct	-55.35	
			For Class 54 Rating, Add	37.74	
			For Class 55 Rating, Add	83.88	
40 05 19 00-1085	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	877.86	230.39
			For Class 52 Rating, Deduct	-58.17	
			For Class 54 Rating, Add	39.66	
			For Class 55 Rating, Add	88.15	
40 05 19 00-1086	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	907.48	233.03
			For Class 52 Rating, Deduct	-60.98	
			For Class 54 Rating, Add	41.58	
			For Class 55 Rating, Add	92.42	
40 05 19 00-1087	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	937.08	235.68
			For Class 52 Rating, Deduct	-63.80	
			For Class 54 Rating, Add	43.50	
			For Class 55 Rating, Add	96.69	
40 05 19 00-1088	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	966.70	238.33
			For Class 52 Rating, Deduct	-66.62	
			For Class 54 Rating, Add	45.42	
			For Class 55 Rating, Add	100.95	
40 05 19 00-1089	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	996.31	240.98
			For Class 52 Rating, Deduct	-69.43	
			For Class 54 Rating, Add	47.34	
			For Class 55 Rating, Add	105.22	
40 05 19 00-1090	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,025.93	243.62
			For Class 52 Rating, Deduct	-72.25	
			For Class 54 Rating, Add	49.26	
			For Class 55 Rating, Add	109.49	
40 05 19 00-1091	EA		6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,055.54	246.27
			For Class 52 Rating, Deduct	-75.06	
			For Class 54 Rating, Add	51.18	
			For Class 55 Rating, Add	113.76	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-1092	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,085.14	248.92
		For Class 52 Rating, Deduct	-77.88	
		For Class 54 Rating, Add	53.10	
		For Class 55 Rating, Add	118.02	
40 05 19 00-1093	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,114.76	251.56
		For Class 52 Rating, Deduct	-80.70	
		For Class 54 Rating, Add	55.02	
		For Class 55 Rating, Add	122.29	
40 05 19 00-1094	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,144.37	254.21
		For Class 52 Rating, Deduct	-83.51	
		For Class 54 Rating, Add	56.94	
		For Class 55 Rating, Add	126.56	
40 05 19 00-1095	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,173.99	256.87
		For Class 52 Rating, Deduct	-86.33	
		For Class 54 Rating, Add	58.86	
		For Class 55 Rating, Add	130.83	
40 05 19 00-1096	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,203.59	259.52
		For Class 52 Rating, Deduct	-89.14	
		For Class 54 Rating, Add	60.78	
		For Class 55 Rating, Add	135.09	
40 05 19 00-1097	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,233.21	262.16
		For Class 52 Rating, Deduct	-91.96	
		For Class 54 Rating, Add	62.70	
		For Class 55 Rating, Add	139.36	
40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,262.82	264.81
		For Class 52 Rating, Deduct	-94.78	
		For Class 54 Rating, Add	64.62	
		For Class 55 Rating, Add	143.63	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,292.44	267.45
		For Class 52 Rating, Deduct	-97.59	
		For Class 54 Rating, Add	66.54	
		For Class 55 Rating, Add	147.90	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,322.05	270.09
		For Class 52 Rating, Deduct	-100.41	
		For Class 54 Rating, Add	68.46	
		For Class 55 Rating, Add	152.16	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,351.65	272.75
		For Class 52 Rating, Deduct	-103.22	
		For Class 54 Rating, Add	70.38	
		For Class 55 Rating, Add	156.43	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,381.27	275.40
		For Class 52 Rating, Deduct	-106.04	
		For Class 54 Rating, Add	72.30	
		For Class 55 Rating, Add	160.70	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,410.88	278.05
		For Class 52 Rating, Deduct	-108.86	
		For Class 54 Rating, Add	74.22	
		For Class 55 Rating, Add	164.97	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,440.50	280.69
		For Class 52 Rating, Deduct	-111.67	
		For Class 54 Rating, Add	76.14	
		For Class 55 Rating, Add	169.23	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,470.11	283.34
		For Class 52 Rating, Deduct	-114.49	
		For Class 54 Rating, Add	78.06	
		For Class 55 Rating, Add	173.50	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,499.72	286.00
		For Class 52 Rating, Deduct	-117.30	
		For Class 54 Rating, Add	79.98	
		For Class 55 Rating, Add	177.77	
40 05 19 00-1107	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,529.33	288.64
		For Class 52 Rating, Deduct	-120.12	
		For Class 54 Rating, Add	81.90	
		For Class 55 Rating, Add	182.04	
40 05 19 00-1108	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,558.95	291.28
		For Class 52 Rating, Deduct	-122.94	
		For Class 54 Rating, Add	83.82	
		For Class 55 Rating, Add	186.30	

40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1110	EA		8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	579.53	243.62
			For Class 52 Rating, Deduct	-23.14	
			For Class 54 Rating, Add	15.78	
			For Class 55 Rating, Add	35.07	
40 05 19 00-1111	EA		8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	618.74	246.27
			For Class 52 Rating, Deduct	-27.02	
			For Class 54 Rating, Add	18.42	
			For Class 55 Rating, Add	40.94	
40 05 19 00-1112	EA		8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	657.94	248.92
			For Class 52 Rating, Deduct	-30.89	
			For Class 54 Rating, Add	21.06	
			For Class 55 Rating, Add	46.81	
40 05 19 00-1113	EA		8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	697.16	251.56
			For Class 52 Rating, Deduct	-34.76	
			For Class 54 Rating, Add	23.70	
			For Class 55 Rating, Add	52.68	
40 05 19 00-1114	EA		8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	736.37	254.21
			For Class 52 Rating, Deduct	-38.63	
			For Class 54 Rating, Add	26.34	
			For Class 55 Rating, Add	58.55	
40 05 19 00-1115	EA		8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	775.59	256.87
			For Class 52 Rating, Deduct	-42.50	
			For Class 54 Rating, Add	28.98	
			For Class 55 Rating, Add	64.41	
40 05 19 00-1116	EA		8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	814.79	259.52
			For Class 52 Rating, Deduct	-46.38	
			For Class 54 Rating, Add	31.62	
			For Class 55 Rating, Add	70.28	
40 05 19 00-1117	EA		8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	854.01	262.16
			For Class 52 Rating, Deduct	-50.25	
			For Class 54 Rating, Add	34.26	
			For Class 55 Rating, Add	76.15	
40 05 19 00-1118	EA		8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	893.22	264.81
			For Class 52 Rating, Deduct	-54.12	
			For Class 54 Rating, Add	36.90	
			For Class 55 Rating, Add	82.02	
40 05 19 00-1119	EA		8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	932.44	267.45
			For Class 52 Rating, Deduct	-57.99	
			For Class 54 Rating, Add	39.54	
			For Class 55 Rating, Add	87.88	
40 05 19 00-1120	EA		8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	971.65	270.09
			For Class 52 Rating, Deduct	-61.86	
			For Class 54 Rating, Add	42.18	
			For Class 55 Rating, Add	93.75	
40 05 19 00-1121	EA		8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,010.85	272.75
			For Class 52 Rating, Deduct	-65.74	
			For Class 54 Rating, Add	44.82	
			For Class 55 Rating, Add	99.62	
40 05 19 00-1122	EA		8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,050.07	275.40
			For Class 52 Rating, Deduct	-69.61	
			For Class 54 Rating, Add	47.46	
			For Class 55 Rating, Add	105.49	
40 05 19 00-1123	EA		8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,089.28	278.05
			For Class 52 Rating, Deduct	-73.48	
			For Class 54 Rating, Add	50.10	
			For Class 55 Rating, Add	111.36	
40 05 19 00-1124	EA		8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,128.50	280.69
			For Class 52 Rating, Deduct	-77.35	
			For Class 54 Rating, Add	52.74	
			For Class 55 Rating, Add	117.22	
40 05 19 00-1125	EA		8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,167.71	283.34
			For Class 52 Rating, Deduct	-81.22	
			For Class 54 Rating, Add	55.38	
			For Class 55 Rating, Add	123.09	
40 05 19 00-1126	EA		8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,206.92	286.00
			For Class 52 Rating, Deduct	-85.10	
			For Class 54 Rating, Add	58.02	
			For Class 55 Rating, Add	128.96	
40 05 19 00-1127	EA		8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,246.13	288.64
			For Class 52 Rating, Deduct	-88.97	
			For Class 54 Rating, Add	60.66	
			For Class 55 Rating, Add	134.83	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1128	EA		8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,285.35	291.28
			For Class 52 Rating, Deduct	-92.84	
			For Class 54 Rating, Add	63.30	
			For Class 55 Rating, Add	140.69	
40 05 19 00-1129	EA		8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,324.56	293.93
			For Class 52 Rating, Deduct	-96.71	
			For Class 54 Rating, Add	65.94	
			For Class 55 Rating, Add	146.56	
40 05 19 00-1130	EA		8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,363.76	296.58
			For Class 52 Rating, Deduct	-100.58	
			For Class 54 Rating, Add	68.58	
			For Class 55 Rating, Add	152.43	
40 05 19 00-1131	EA		8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,402.98	299.23
			For Class 52 Rating, Deduct	-104.46	
			For Class 54 Rating, Add	71.22	
			For Class 55 Rating, Add	158.30	
40 05 19 00-1132	EA		8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,442.19	301.88
			For Class 52 Rating, Deduct	-108.33	
			For Class 54 Rating, Add	73.86	
			For Class 55 Rating, Add	164.17	
40 05 19 00-1133	EA		8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,481.41	304.53
			For Class 52 Rating, Deduct	-112.20	
			For Class 54 Rating, Add	76.50	
			For Class 55 Rating, Add	170.03	
40 05 19 00-1134	EA		8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,520.62	307.18
			For Class 52 Rating, Deduct	-116.07	
			For Class 54 Rating, Add	79.14	
			For Class 55 Rating, Add	175.90	
40 05 19 00-1135	EA		8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,559.83	309.82
			For Class 52 Rating, Deduct	-119.94	
			For Class 54 Rating, Add	81.78	
			For Class 55 Rating, Add	181.77	
40 05 19 00-1136	EA		8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,599.04	312.48
			For Class 52 Rating, Deduct	-123.82	
			For Class 54 Rating, Add	84.42	
			For Class 55 Rating, Add	187.64	
40 05 19 00-1137	EA		8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,638.26	315.13
			For Class 52 Rating, Deduct	-127.69	
			For Class 54 Rating, Add	87.06	
			For Class 55 Rating, Add	193.51	
40 05 19 00-1138	EA		8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,677.47	317.76
			For Class 52 Rating, Deduct	-131.56	
			For Class 54 Rating, Add	89.70	
			For Class 55 Rating, Add	199.37	
40 05 19 00-1139	EA		8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,716.67	320.41
			For Class 52 Rating, Deduct	-135.43	
			For Class 54 Rating, Add	92.34	
			For Class 55 Rating, Add	205.24	
40 05 19 00-1140	EA		8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,755.89	323.06
			For Class 52 Rating, Deduct	-139.30	
			For Class 54 Rating, Add	94.98	
			For Class 55 Rating, Add	211.11	
40 05 19 00-1141	EA		8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,795.10	325.72
			For Class 52 Rating, Deduct	-143.18	
			For Class 54 Rating, Add	97.62	
			For Class 55 Rating, Add	216.98	
40 05 19 00-1142	EA		8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,834.32	328.36
			For Class 52 Rating, Deduct	-147.05	
			For Class 54 Rating, Add	100.26	
			For Class 55 Rating, Add	222.84	
40 05 19 00-1143	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,873.53	331.01
			For Class 52 Rating, Deduct	-150.92	
			For Class 54 Rating, Add	102.90	
			For Class 55 Rating, Add	228.71	
40 05 19 00-1144	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,912.74	333.66
			For Class 52 Rating, Deduct	-154.79	
			For Class 54 Rating, Add	105.54	
			For Class 55 Rating, Add	234.58	
40 05 19 00-1145	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,951.95	336.30
			For Class 52 Rating, Deduct	-158.66	
			For Class 54 Rating, Add	108.18	
			For Class 55 Rating, Add	240.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1146	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,991.16	338.95
			For Class 52 Rating, Deduct	-162.54	
			For Class 54 Rating, Add	110.82	
			For Class 55 Rating, Add	246.32	
40 05 19 00-1147	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,030.38	341.60
			For Class 52 Rating, Deduct	-166.41	
			For Class 54 Rating, Add	113.46	
			For Class 55 Rating, Add	252.18	
40 05 19 00-1148	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,069.58	344.25
			For Class 52 Rating, Deduct	-170.28	
			For Class 54 Rating, Add	116.10	
			For Class 55 Rating, Add	258.05	
40 05 19 00-1149			10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1150	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	720.56	296.58
			For Class 52 Rating, Deduct	-29.83	
			For Class 54 Rating, Add	20.34	
			For Class 55 Rating, Add	45.21	
40 05 19 00-1151	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	770.98	299.23
			For Class 52 Rating, Deduct	-34.94	
			For Class 54 Rating, Add	23.82	
			For Class 55 Rating, Add	52.94	
40 05 19 00-1152	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	821.39	301.88
			For Class 52 Rating, Deduct	-40.04	
			For Class 54 Rating, Add	27.30	
			For Class 55 Rating, Add	60.68	
40 05 19 00-1153	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	871.81	304.53
			For Class 52 Rating, Deduct	-45.14	
			For Class 54 Rating, Add	30.78	
			For Class 55 Rating, Add	68.41	
40 05 19 00-1154	EA		10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	922.22	307.18
			For Class 52 Rating, Deduct	-50.25	
			For Class 54 Rating, Add	34.26	
			For Class 55 Rating, Add	76.15	
40 05 19 00-1155	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	972.63	309.82
			For Class 52 Rating, Deduct	-55.35	
			For Class 54 Rating, Add	37.74	
			For Class 55 Rating, Add	83.88	
40 05 19 00-1156	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,023.04	312.48
			For Class 52 Rating, Deduct	-60.46	
			For Class 54 Rating, Add	41.22	
			For Class 55 Rating, Add	91.62	
40 05 19 00-1157	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,073.46	315.13
			For Class 52 Rating, Deduct	-65.56	
			For Class 54 Rating, Add	44.70	
			For Class 55 Rating, Add	99.35	
40 05 19 00-1158	EA		10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,123.87	317.76
			For Class 52 Rating, Deduct	-70.66	
			For Class 54 Rating, Add	48.18	
			For Class 55 Rating, Add	107.09	
40 05 19 00-1159	EA		10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,174.27	320.41
			For Class 52 Rating, Deduct	-75.77	
			For Class 54 Rating, Add	51.66	
			For Class 55 Rating, Add	114.82	
40 05 19 00-1160	EA		10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,224.69	323.06
			For Class 52 Rating, Deduct	-80.87	
			For Class 54 Rating, Add	55.14	
			For Class 55 Rating, Add	122.56	
40 05 19 00-1161	EA		10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,275.10	325.72
			For Class 52 Rating, Deduct	-85.98	
			For Class 54 Rating, Add	58.62	
			For Class 55 Rating, Add	130.29	
40 05 19 00-1162	EA		10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,325.52	328.36
			For Class 52 Rating, Deduct	-91.08	
			For Class 54 Rating, Add	62.10	
			For Class 55 Rating, Add	138.03	
40 05 19 00-1163	EA		10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,375.93	331.01
			For Class 52 Rating, Deduct	-96.18	
			For Class 54 Rating, Add	65.58	
			For Class 55 Rating, Add	145.76	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1164	EA		10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,426.34	333.66
			For Class 52 Rating, Deduct	-101.29	
			For Class 54 Rating, Add	69.06	
			For Class 55 Rating, Add	153.50	
40 05 19 00-1165	EA		10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,476.75	336.30
			For Class 52 Rating, Deduct	-106.39	
			For Class 54 Rating, Add	72.54	
			For Class 55 Rating, Add	161.23	
40 05 19 00-1166	EA		10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,527.16	338.95
			For Class 52 Rating, Deduct	-111.50	
			For Class 54 Rating, Add	76.02	
			For Class 55 Rating, Add	168.97	
40 05 19 00-1167	EA		10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,577.58	341.60
			For Class 52 Rating, Deduct	-116.60	
			For Class 54 Rating, Add	79.50	
			For Class 55 Rating, Add	176.70	
40 05 19 00-1168	EA		10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,627.98	344.25
			For Class 52 Rating, Deduct	-121.70	
			For Class 54 Rating, Add	82.98	
			For Class 55 Rating, Add	184.44	
40 05 19 00-1169	EA		10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,678.40	346.89
			For Class 52 Rating, Deduct	-126.81	
			For Class 54 Rating, Add	86.46	
			For Class 55 Rating, Add	192.17	
40 05 19 00-1170	EA		10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,728.81	349.54
			For Class 52 Rating, Deduct	-131.91	
			For Class 54 Rating, Add	89.94	
			For Class 55 Rating, Add	199.91	
40 05 19 00-1171	EA		10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,779.23	352.19
			For Class 52 Rating, Deduct	-137.02	
			For Class 54 Rating, Add	93.42	
			For Class 55 Rating, Add	207.64	
40 05 19 00-1172	EA		10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,829.64	354.84
			For Class 52 Rating, Deduct	-142.12	
			For Class 54 Rating, Add	96.90	
			For Class 55 Rating, Add	215.38	
40 05 19 00-1173	EA		10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,880.05	357.49
			For Class 52 Rating, Deduct	-147.22	
			For Class 54 Rating, Add	100.38	
			For Class 55 Rating, Add	223.11	
40 05 19 00-1174	EA		10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,930.46	360.14
			For Class 52 Rating, Deduct	-152.33	
			For Class 54 Rating, Add	103.86	
			For Class 55 Rating, Add	230.85	
40 05 19 00-1175	EA		10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,980.87	362.79
			For Class 52 Rating, Deduct	-157.43	
			For Class 54 Rating, Add	107.34	
			For Class 55 Rating, Add	238.58	
40 05 19 00-1176	EA		10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,031.29	365.42
			For Class 52 Rating, Deduct	-162.54	
			For Class 54 Rating, Add	110.82	
			For Class 55 Rating, Add	246.32	
40 05 19 00-1177	EA		10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,081.69	368.08
			For Class 52 Rating, Deduct	-167.64	
			For Class 54 Rating, Add	114.30	
			For Class 55 Rating, Add	254.05	
40 05 19 00-1178	EA		10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,132.11	370.73
			For Class 52 Rating, Deduct	-172.74	
			For Class 54 Rating, Add	117.78	
			For Class 55 Rating, Add	261.79	
40 05 19 00-1179	EA		10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,182.52	373.38
			For Class 52 Rating, Deduct	-177.85	
			For Class 54 Rating, Add	121.26	
			For Class 55 Rating, Add	269.52	
40 05 19 00-1180	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,232.94	376.02
			For Class 52 Rating, Deduct	-182.95	
			For Class 54 Rating, Add	124.74	
			For Class 55 Rating, Add	277.26	
40 05 19 00-1181	EA		10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,283.35	378.67
			For Class 52 Rating, Deduct	-188.06	
			For Class 54 Rating, Add	128.22	
			For Class 55 Rating, Add	284.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1182	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,333.76	381.33
			<i>For Class 52 Rating, Deduct</i>	-193.16	
			<i>For Class 54 Rating, Add</i>	131.70	
			<i>For Class 55 Rating, Add</i>	292.73	
40 05 19 00-1183	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,384.17	383.97
			<i>For Class 52 Rating, Deduct</i>	-198.26	
			<i>For Class 54 Rating, Add</i>	135.18	
			<i>For Class 55 Rating, Add</i>	300.46	
40 05 19 00-1184	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,434.58	386.62
			<i>For Class 52 Rating, Deduct</i>	-203.37	
			<i>For Class 54 Rating, Add</i>	138.66	
			<i>For Class 55 Rating, Add</i>	308.19	
40 05 19 00-1185	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,485.00	389.27
			<i>For Class 52 Rating, Deduct</i>	-208.47	
			<i>For Class 54 Rating, Add</i>	142.14	
			<i>For Class 55 Rating, Add</i>	315.93	
40 05 19 00-1186	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,535.41	391.92
			<i>For Class 52 Rating, Deduct</i>	-213.58	
			<i>For Class 54 Rating, Add</i>	145.62	
			<i>For Class 55 Rating, Add</i>	323.66	
40 05 19 00-1187	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,585.82	394.55
			<i>For Class 52 Rating, Deduct</i>	-218.68	
			<i>For Class 54 Rating, Add</i>	149.10	
			<i>For Class 55 Rating, Add</i>	331.40	
40 05 19 00-1188	EA		10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,636.23	397.21
			<i>For Class 52 Rating, Deduct</i>	-223.78	
			<i>For Class 54 Rating, Add</i>	152.58	
			<i>For Class 55 Rating, Add</i>	339.13	
40 05 19 00-1189			12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-1028)</small>		
40 05 19 00-1190	EA		12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	923.31	370.73
			<i>For Class 52 Rating, Deduct</i>	-39.78	
			<i>For Class 54 Rating, Add</i>	27.12	
			<i>For Class 55 Rating, Add</i>	60.28	
40 05 19 00-1191	EA		12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	985.72	373.38
			<i>For Class 52 Rating, Deduct</i>	-46.20	
			<i>For Class 54 Rating, Add</i>	31.50	
			<i>For Class 55 Rating, Add</i>	70.01	
40 05 19 00-1192	EA		12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,048.14	376.02
			<i>For Class 52 Rating, Deduct</i>	-52.62	
			<i>For Class 54 Rating, Add</i>	35.88	
			<i>For Class 55 Rating, Add</i>	79.75	
40 05 19 00-1193	EA		12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,110.55	378.67
			<i>For Class 52 Rating, Deduct</i>	-59.05	
			<i>For Class 54 Rating, Add</i>	40.26	
			<i>For Class 55 Rating, Add</i>	89.48	
40 05 19 00-1194	EA		12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,172.96	381.33
			<i>For Class 52 Rating, Deduct</i>	-65.47	
			<i>For Class 54 Rating, Add</i>	44.64	
			<i>For Class 55 Rating, Add</i>	99.22	
40 05 19 00-1195	EA		12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,235.37	383.97
			<i>For Class 52 Rating, Deduct</i>	-71.90	
			<i>For Class 54 Rating, Add</i>	49.02	
			<i>For Class 55 Rating, Add</i>	108.96	
40 05 19 00-1196	EA		12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,297.78	386.62
			<i>For Class 52 Rating, Deduct</i>	-78.32	
			<i>For Class 54 Rating, Add</i>	53.40	
			<i>For Class 55 Rating, Add</i>	118.69	
40 05 19 00-1197	EA		12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,360.20	389.27
			<i>For Class 52 Rating, Deduct</i>	-84.74	
			<i>For Class 54 Rating, Add</i>	57.78	
			<i>For Class 55 Rating, Add</i>	128.43	
40 05 19 00-1198	EA		12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,422.61	391.92
			<i>For Class 52 Rating, Deduct</i>	-91.17	
			<i>For Class 54 Rating, Add</i>	62.16	
			<i>For Class 55 Rating, Add</i>	138.16	
40 05 19 00-1199	EA		12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,485.02	394.55
			<i>For Class 52 Rating, Deduct</i>	-97.59	
			<i>For Class 54 Rating, Add</i>	66.54	
			<i>For Class 55 Rating, Add</i>	147.90	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1200	EA		12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,547.43	397.21
			For Class 52 Rating, Deduct	-104.02	
			For Class 54 Rating, Add	70.92	
			For Class 55 Rating, Add	157.63	
40 05 19 00-1201	EA		12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,609.85	399.86
			For Class 52 Rating, Deduct	-110.44	
			For Class 54 Rating, Add	75.30	
			For Class 55 Rating, Add	167.37	
40 05 19 00-1202	EA		12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,672.26	402.50
			For Class 52 Rating, Deduct	-116.86	
			For Class 54 Rating, Add	79.68	
			For Class 55 Rating, Add	177.10	
40 05 19 00-1203	EA		12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,734.67	405.15
			For Class 52 Rating, Deduct	-123.29	
			For Class 54 Rating, Add	84.06	
			For Class 55 Rating, Add	186.84	
40 05 19 00-1204	EA		12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,797.08	407.80
			For Class 52 Rating, Deduct	-129.71	
			For Class 54 Rating, Add	88.44	
			For Class 55 Rating, Add	196.57	
40 05 19 00-1205	EA		12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,859.49	410.46
			For Class 52 Rating, Deduct	-136.14	
			For Class 54 Rating, Add	92.82	
			For Class 55 Rating, Add	206.31	
40 05 19 00-1206	EA		12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,921.91	413.10
			For Class 52 Rating, Deduct	-142.56	
			For Class 54 Rating, Add	97.20	
			For Class 55 Rating, Add	216.04	
40 05 19 00-1207	EA		12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,984.32	415.75
			For Class 52 Rating, Deduct	-148.98	
			For Class 54 Rating, Add	101.58	
			For Class 55 Rating, Add	225.78	
40 05 19 00-1208	EA		12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,046.73	418.39
			For Class 52 Rating, Deduct	-155.41	
			For Class 54 Rating, Add	105.96	
			For Class 55 Rating, Add	235.51	
40 05 19 00-1209	EA		12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,109.14	421.03
			For Class 52 Rating, Deduct	-161.83	
			For Class 54 Rating, Add	110.34	
			For Class 55 Rating, Add	245.25	
40 05 19 00-1210	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,171.56	423.69
			For Class 52 Rating, Deduct	-168.26	
			For Class 54 Rating, Add	114.72	
			For Class 55 Rating, Add	254.98	
40 05 19 00-1211	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,233.97	426.34
			For Class 52 Rating, Deduct	-174.68	
			For Class 54 Rating, Add	119.10	
			For Class 55 Rating, Add	264.72	
40 05 19 00-1212	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,296.38	428.99
			For Class 52 Rating, Deduct	-181.10	
			For Class 54 Rating, Add	123.48	
			For Class 55 Rating, Add	274.45	
40 05 19 00-1213	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,358.79	431.63
			For Class 52 Rating, Deduct	-187.53	
			For Class 54 Rating, Add	127.86	
			For Class 55 Rating, Add	284.19	
40 05 19 00-1214	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,421.20	434.28
			For Class 52 Rating, Deduct	-193.95	
			For Class 54 Rating, Add	132.24	
			For Class 55 Rating, Add	293.93	
40 05 19 00-1215	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,483.62	436.94
			For Class 52 Rating, Deduct	-200.38	
			For Class 54 Rating, Add	136.62	
			For Class 55 Rating, Add	303.66	
40 05 19 00-1216	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,546.03	439.59
			For Class 52 Rating, Deduct	-206.80	
			For Class 54 Rating, Add	141.00	
			For Class 55 Rating, Add	313.40	
40 05 19 00-1217	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,608.44	442.22
			For Class 52 Rating, Deduct	-213.22	
			For Class 54 Rating, Add	145.38	
			For Class 55 Rating, Add	323.13	

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

40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,670.85	444.87
		<i>For Class 52 Rating, Deduct</i>	-219.65	
		<i>For Class 54 Rating, Add</i>	149.76	
		<i>For Class 55 Rating, Add</i>	332.87	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,733.27	447.52
		<i>For Class 52 Rating, Deduct</i>	-226.07	
		<i>For Class 54 Rating, Add</i>	154.14	
		<i>For Class 55 Rating, Add</i>	342.60	
40 05 19 00-1220	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,795.68	450.16
		<i>For Class 52 Rating, Deduct</i>	-232.50	
		<i>For Class 54 Rating, Add</i>	158.52	
		<i>For Class 55 Rating, Add</i>	352.34	
40 05 19 00-1221	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,858.08	452.82
		<i>For Class 52 Rating, Deduct</i>	-238.92	
		<i>For Class 54 Rating, Add</i>	162.90	
		<i>For Class 55 Rating, Add</i>	362.07	
40 05 19 00-1222	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,920.50	455.47
		<i>For Class 52 Rating, Deduct</i>	-245.34	
		<i>For Class 54 Rating, Add</i>	167.28	
		<i>For Class 55 Rating, Add</i>	371.81	
40 05 19 00-1223	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,982.91	458.12
		<i>For Class 52 Rating, Deduct</i>	-251.77	
		<i>For Class 54 Rating, Add</i>	171.66	
		<i>For Class 55 Rating, Add</i>	381.54	
40 05 19 00-1224	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,045.33	460.76
		<i>For Class 52 Rating, Deduct</i>	-258.19	
		<i>For Class 54 Rating, Add</i>	176.04	
		<i>For Class 55 Rating, Add</i>	391.28	
40 05 19 00-1225	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,107.74	463.41
		<i>For Class 52 Rating, Deduct</i>	-264.62	
		<i>For Class 54 Rating, Add</i>	180.42	
		<i>For Class 55 Rating, Add</i>	401.01	
40 05 19 00-1226	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,170.15	466.07
		<i>For Class 52 Rating, Deduct</i>	-271.04	
		<i>For Class 54 Rating, Add</i>	184.80	
		<i>For Class 55 Rating, Add</i>	410.75	
40 05 19 00-1227	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,232.56	468.70
		<i>For Class 52 Rating, Deduct</i>	-277.46	
		<i>For Class 54 Rating, Add</i>	189.18	
		<i>For Class 55 Rating, Add</i>	420.48	
40 05 19 00-1228	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,294.98	471.35
		<i>For Class 52 Rating, Deduct</i>	-283.89	
		<i>For Class 54 Rating, Add</i>	193.56	
		<i>For Class 55 Rating, Add</i>	430.22	

40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

40 05 19 00-1230	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,190.05	444.87
		<i>For Class 52 Rating, Deduct</i>	-56.76	
		<i>For Class 54 Rating, Add</i>	38.70	
		<i>For Class 55 Rating, Add</i>	86.02	
40 05 19 00-1231	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,265.27	447.52
		<i>For Class 52 Rating, Deduct</i>	-64.59	
		<i>For Class 54 Rating, Add</i>	44.04	
		<i>For Class 55 Rating, Add</i>	97.89	
40 05 19 00-1232	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,340.48	450.16
		<i>For Class 52 Rating, Deduct</i>	-72.42	
		<i>For Class 54 Rating, Add</i>	49.38	
		<i>For Class 55 Rating, Add</i>	109.76	
40 05 19 00-1233	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,415.68	452.82
		<i>For Class 52 Rating, Deduct</i>	-80.26	
		<i>For Class 54 Rating, Add</i>	54.72	
		<i>For Class 55 Rating, Add</i>	121.62	
40 05 19 00-1234	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,490.90	455.47
		<i>For Class 52 Rating, Deduct</i>	-88.09	
		<i>For Class 54 Rating, Add</i>	60.06	
		<i>For Class 55 Rating, Add</i>	133.49	
40 05 19 00-1235	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,566.11	458.12
		<i>For Class 52 Rating, Deduct</i>	-95.92	
		<i>For Class 54 Rating, Add</i>	65.40	
		<i>For Class 55 Rating, Add</i>	145.36	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1236	EA		14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,641.33	460.76
			For Class 52 Rating, Deduct	-103.75	
			For Class 54 Rating, Add	70.74	
			For Class 55 Rating, Add	157.23	
40 05 19 00-1237	EA		14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,716.54	463.41
			For Class 52 Rating, Deduct	-111.58	
			For Class 54 Rating, Add	76.08	
			For Class 55 Rating, Add	169.10	
40 05 19 00-1238	EA		14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,791.75	466.07
			For Class 52 Rating, Deduct	-119.42	
			For Class 54 Rating, Add	81.42	
			For Class 55 Rating, Add	180.97	
40 05 19 00-1239	EA		14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,866.96	468.70
			For Class 52 Rating, Deduct	-127.25	
			For Class 54 Rating, Add	86.76	
			For Class 55 Rating, Add	192.84	
40 05 19 00-1240	EA		14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,942.18	471.35
			For Class 52 Rating, Deduct	-135.08	
			For Class 54 Rating, Add	92.10	
			For Class 55 Rating, Add	204.71	
40 05 19 00-1241	EA		14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,017.39	474.00
			For Class 52 Rating, Deduct	-142.91	
			For Class 54 Rating, Add	97.44	
			For Class 55 Rating, Add	216.58	
40 05 19 00-1242	EA		14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,092.59	476.65
			For Class 52 Rating, Deduct	-150.74	
			For Class 54 Rating, Add	102.78	
			For Class 55 Rating, Add	228.45	
40 05 19 00-1243	EA		14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,167.81	479.30
			For Class 52 Rating, Deduct	-158.58	
			For Class 54 Rating, Add	108.12	
			For Class 55 Rating, Add	240.31	
40 05 19 00-1244	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,243.02	481.95
			For Class 52 Rating, Deduct	-166.41	
			For Class 54 Rating, Add	113.46	
			For Class 55 Rating, Add	252.18	
40 05 19 00-1245	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,318.24	484.60
			For Class 52 Rating, Deduct	-174.24	
			For Class 54 Rating, Add	118.80	
			For Class 55 Rating, Add	264.05	
40 05 19 00-1246	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,393.45	487.24
			For Class 52 Rating, Deduct	-182.07	
			For Class 54 Rating, Add	124.14	
			For Class 55 Rating, Add	275.92	
40 05 19 00-1247	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,468.66	489.89
			For Class 52 Rating, Deduct	-189.90	
			For Class 54 Rating, Add	129.48	
			For Class 55 Rating, Add	287.79	
40 05 19 00-1248	EA		14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,543.87	492.54
			For Class 52 Rating, Deduct	-197.74	
			For Class 54 Rating, Add	134.82	
			For Class 55 Rating, Add	299.66	
40 05 19 00-1249	EA		14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,619.09	495.19
			For Class 52 Rating, Deduct	-205.57	
			For Class 54 Rating, Add	140.16	
			For Class 55 Rating, Add	311.53	
40 05 19 00-1250	EA		14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,694.30	497.83
			For Class 52 Rating, Deduct	-213.40	
			For Class 54 Rating, Add	145.50	
			For Class 55 Rating, Add	323.40	
40 05 19 00-1251	EA		14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,769.51	500.48
			For Class 52 Rating, Deduct	-221.23	
			For Class 54 Rating, Add	150.84	
			For Class 55 Rating, Add	335.27	
40 05 19 00-1252	EA		14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,844.72	503.13
			For Class 52 Rating, Deduct	-229.06	
			For Class 54 Rating, Add	156.18	
			For Class 55 Rating, Add	347.14	
40 05 19 00-1253	EA		14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,919.93	505.79
			For Class 52 Rating, Deduct	-236.90	
			For Class 54 Rating, Add	161.52	
			For Class 55 Rating, Add	359.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1254	EA		14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,995.15	508.43
			<i>For Class 52 Rating, Deduct</i>	-244.73	
			<i>For Class 54 Rating, Add</i>	166.86	
			<i>For Class 55 Rating, Add</i>	370.87	
40 05 19 00-1255	EA		14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,070.36	511.08
			<i>For Class 52 Rating, Deduct</i>	-252.56	
			<i>For Class 54 Rating, Add</i>	172.20	
			<i>For Class 55 Rating, Add</i>	382.74	
40 05 19 00-1256	EA		14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,145.57	513.73
			<i>For Class 52 Rating, Deduct</i>	-260.39	
			<i>For Class 54 Rating, Add</i>	177.54	
			<i>For Class 55 Rating, Add</i>	394.61	
40 05 19 00-1257	EA		14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,220.78	516.36
			<i>For Class 52 Rating, Deduct</i>	-268.22	
			<i>For Class 54 Rating, Add</i>	182.88	
			<i>For Class 55 Rating, Add</i>	406.48	
40 05 19 00-1258	EA		14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,296.00	519.01
			<i>For Class 52 Rating, Deduct</i>	-276.06	
			<i>For Class 54 Rating, Add</i>	188.22	
			<i>For Class 55 Rating, Add</i>	418.35	
40 05 19 00-1259	EA		14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,371.21	521.67
			<i>For Class 52 Rating, Deduct</i>	-283.89	
			<i>For Class 54 Rating, Add</i>	193.56	
			<i>For Class 55 Rating, Add</i>	430.22	
40 05 19 00-1260	EA		14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,446.42	524.32
			<i>For Class 52 Rating, Deduct</i>	-291.72	
			<i>For Class 54 Rating, Add</i>	198.90	
			<i>For Class 55 Rating, Add</i>	442.09	
40 05 19 00-1261	EA		14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,521.63	526.96
			<i>For Class 52 Rating, Deduct</i>	-299.55	
			<i>For Class 54 Rating, Add</i>	204.24	
			<i>For Class 55 Rating, Add</i>	453.96	
40 05 19 00-1262	EA		14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,596.84	529.61
			<i>For Class 52 Rating, Deduct</i>	-307.38	
			<i>For Class 54 Rating, Add</i>	209.58	
			<i>For Class 55 Rating, Add</i>	465.83	
40 05 19 00-1263	EA		14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,672.06	532.26
			<i>For Class 52 Rating, Deduct</i>	-315.22	
			<i>For Class 54 Rating, Add</i>	214.92	
			<i>For Class 55 Rating, Add</i>	477.70	
40 05 19 00-1264	EA		14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,747.27	534.91
			<i>For Class 52 Rating, Deduct</i>	-323.05	
			<i>For Class 54 Rating, Add</i>	220.26	
			<i>For Class 55 Rating, Add</i>	489.56	
40 05 19 00-1265	EA		14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,822.48	537.56
			<i>For Class 52 Rating, Deduct</i>	-330.88	
			<i>For Class 54 Rating, Add</i>	225.60	
			<i>For Class 55 Rating, Add</i>	501.43	
40 05 19 00-1266	EA		14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,897.69	540.21
			<i>For Class 52 Rating, Deduct</i>	-338.71	
			<i>For Class 54 Rating, Add</i>	230.94	
			<i>For Class 55 Rating, Add</i>	513.30	
40 05 19 00-1267	EA		14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,972.90	542.86
			<i>For Class 52 Rating, Deduct</i>	-346.54	
			<i>For Class 54 Rating, Add</i>	236.28	
			<i>For Class 55 Rating, Add</i>	525.17	
40 05 19 00-1268			16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1269	EA		16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,380.75	508.43
			<i>For Class 52 Rating, Deduct</i>	-67.14	
			<i>For Class 54 Rating, Add</i>	45.78	
			<i>For Class 55 Rating, Add</i>	101.75	
40 05 19 00-1270	EA		16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,467.96	511.08
			<i>For Class 52 Rating, Deduct</i>	-76.30	
			<i>For Class 54 Rating, Add</i>	52.02	
			<i>For Class 55 Rating, Add</i>	115.62	
40 05 19 00-1271	EA		16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,555.17	513.73
			<i>For Class 52 Rating, Deduct</i>	-85.45	
			<i>For Class 54 Rating, Add</i>	58.26	
			<i>For Class 55 Rating, Add</i>	129.49	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1272	EA		16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,642.38	516.36
			For Class 52 Rating, Deduct	-94.60	
			For Class 54 Rating, Add	64.50	
			For Class 55 Rating, Add	143.36	
40 05 19 00-1273	EA		16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,729.60	519.01
			For Class 52 Rating, Deduct	-103.75	
			For Class 54 Rating, Add	70.74	
			For Class 55 Rating, Add	157.23	
40 05 19 00-1274	EA		16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,816.81	521.67
			For Class 52 Rating, Deduct	-112.90	
			For Class 54 Rating, Add	76.98	
			For Class 55 Rating, Add	171.10	
40 05 19 00-1275	EA		16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,904.02	524.32
			For Class 52 Rating, Deduct	-122.06	
			For Class 54 Rating, Add	83.22	
			For Class 55 Rating, Add	184.97	
40 05 19 00-1276	EA		16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,991.23	526.96
			For Class 52 Rating, Deduct	-131.21	
			For Class 54 Rating, Add	89.46	
			For Class 55 Rating, Add	198.84	
40 05 19 00-1277	EA		16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,078.44	529.61
			For Class 52 Rating, Deduct	-140.36	
			For Class 54 Rating, Add	95.70	
			For Class 55 Rating, Add	212.71	
40 05 19 00-1278	EA		16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,165.66	532.26
			For Class 52 Rating, Deduct	-149.51	
			For Class 54 Rating, Add	101.94	
			For Class 55 Rating, Add	226.58	
40 05 19 00-1279	EA		16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,252.87	534.91
			For Class 52 Rating, Deduct	-158.66	
			For Class 54 Rating, Add	108.18	
			For Class 55 Rating, Add	240.45	
40 05 19 00-1280	EA		16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,340.08	537.56
			For Class 52 Rating, Deduct	-167.82	
			For Class 54 Rating, Add	114.42	
			For Class 55 Rating, Add	254.32	
40 05 19 00-1281	EA		16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,427.29	540.21
			For Class 52 Rating, Deduct	-176.97	
			For Class 54 Rating, Add	120.66	
			For Class 55 Rating, Add	268.19	
40 05 19 00-1282	EA		16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,514.50	542.86
			For Class 52 Rating, Deduct	-186.12	
			For Class 54 Rating, Add	126.90	
			For Class 55 Rating, Add	282.06	
40 05 19 00-1283	EA		16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,601.72	545.49
			For Class 52 Rating, Deduct	-195.27	
			For Class 54 Rating, Add	133.14	
			For Class 55 Rating, Add	295.93	
40 05 19 00-1284	EA		16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,688.93	548.15
			For Class 52 Rating, Deduct	-204.42	
			For Class 54 Rating, Add	139.38	
			For Class 55 Rating, Add	309.80	
40 05 19 00-1285	EA		16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,776.14	550.80
			For Class 52 Rating, Deduct	-213.58	
			For Class 54 Rating, Add	145.62	
			For Class 55 Rating, Add	323.66	
40 05 19 00-1286	EA		16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,863.35	553.44
			For Class 52 Rating, Deduct	-222.73	
			For Class 54 Rating, Add	151.86	
			For Class 55 Rating, Add	337.53	
40 05 19 00-1287	EA		16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,950.57	556.09
			For Class 52 Rating, Deduct	-231.88	
			For Class 54 Rating, Add	158.10	
			For Class 55 Rating, Add	351.40	
40 05 19 00-1288	EA		16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,037.78	558.74
			For Class 52 Rating, Deduct	-241.03	
			For Class 54 Rating, Add	164.34	
			For Class 55 Rating, Add	365.27	
40 05 19 00-1289	EA		16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,124.99	561.40
			For Class 52 Rating, Deduct	-250.18	
			For Class 54 Rating, Add	170.58	
			For Class 55 Rating, Add	379.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1290	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,212.20	564.04
			<i>For Class 52 Rating, Deduct</i>	-259.34	
			<i>For Class 54 Rating, Add</i>	176.82	
			<i>For Class 55 Rating, Add</i>	393.01	
40 05 19 00-1291	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,299.41	566.69
			<i>For Class 52 Rating, Deduct</i>	-268.49	
			<i>For Class 54 Rating, Add</i>	183.06	
			<i>For Class 55 Rating, Add</i>	406.88	
40 05 19 00-1292	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,386.63	569.33
			<i>For Class 52 Rating, Deduct</i>	-277.64	
			<i>For Class 54 Rating, Add</i>	189.30	
			<i>For Class 55 Rating, Add</i>	420.75	
40 05 19 00-1293	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,473.84	571.98
			<i>For Class 52 Rating, Deduct</i>	-286.79	
			<i>For Class 54 Rating, Add</i>	195.54	
			<i>For Class 55 Rating, Add</i>	434.62	
40 05 19 00-1294	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,561.05	574.63
			<i>For Class 52 Rating, Deduct</i>	-295.94	
			<i>For Class 54 Rating, Add</i>	201.78	
			<i>For Class 55 Rating, Add</i>	448.49	
40 05 19 00-1295	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,648.26	577.28
			<i>For Class 52 Rating, Deduct</i>	-305.10	
			<i>For Class 54 Rating, Add</i>	208.02	
			<i>For Class 55 Rating, Add</i>	462.36	
40 05 19 00-1296	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,735.48	579.93
			<i>For Class 52 Rating, Deduct</i>	-314.25	
			<i>For Class 54 Rating, Add</i>	214.26	
			<i>For Class 55 Rating, Add</i>	476.23	
40 05 19 00-1297	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,822.69	582.57
			<i>For Class 52 Rating, Deduct</i>	-323.40	
			<i>For Class 54 Rating, Add</i>	220.50	
			<i>For Class 55 Rating, Add</i>	490.10	
40 05 19 00-1298	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,909.90	585.22
			<i>For Class 52 Rating, Deduct</i>	-332.55	
			<i>For Class 54 Rating, Add</i>	226.74	
			<i>For Class 55 Rating, Add</i>	503.97	
40 05 19 00-1299	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,997.11	587.87
			<i>For Class 52 Rating, Deduct</i>	-341.70	
			<i>For Class 54 Rating, Add</i>	232.98	
			<i>For Class 55 Rating, Add</i>	517.84	
40 05 19 00-1300	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,084.32	590.53
			<i>For Class 52 Rating, Deduct</i>	-350.86	
			<i>For Class 54 Rating, Add</i>	239.22	
			<i>For Class 55 Rating, Add</i>	531.71	
40 05 19 00-1301	EA		16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,171.54	593.16
			<i>For Class 52 Rating, Deduct</i>	-360.01	
			<i>For Class 54 Rating, Add</i>	245.46	
			<i>For Class 55 Rating, Add</i>	545.58	
40 05 19 00-1302	EA		16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,258.75	595.81
			<i>For Class 52 Rating, Deduct</i>	-369.16	
			<i>For Class 54 Rating, Add</i>	251.70	
			<i>For Class 55 Rating, Add</i>	559.45	
40 05 19 00-1303	EA		16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,345.96	598.46
			<i>For Class 52 Rating, Deduct</i>	-378.31	
			<i>For Class 54 Rating, Add</i>	257.94	
			<i>For Class 55 Rating, Add</i>	573.31	
40 05 19 00-1304	EA		16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,433.17	601.10
			<i>For Class 52 Rating, Deduct</i>	-387.46	
			<i>For Class 54 Rating, Add</i>	264.18	
			<i>For Class 55 Rating, Add</i>	587.18	
40 05 19 00-1305	EA		16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,520.39	603.76
			<i>For Class 52 Rating, Deduct</i>	-396.62	
			<i>For Class 54 Rating, Add</i>	270.42	
			<i>For Class 55 Rating, Add</i>	601.05	
40 05 19 00-1306	EA		16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,607.60	606.41
			<i>For Class 52 Rating, Deduct</i>	-405.77	
			<i>For Class 54 Rating, Add</i>	276.66	
			<i>For Class 55 Rating, Add</i>	614.92	
40 05 19 00-1307			18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1308	EA		18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,584.25	573.04
			For Class 52 Rating, Deduct	-78.76	
			For Class 54 Rating, Add	53.70	
			For Class 55 Rating, Add	119.36	
40 05 19 00-1309	EA		18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,684.26	575.70
			For Class 52 Rating, Deduct	-89.32	
			For Class 54 Rating, Add	60.90	
			For Class 55 Rating, Add	135.36	
40 05 19 00-1310	EA		18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,784.27	578.34
			For Class 52 Rating, Deduct	-99.88	
			For Class 54 Rating, Add	68.10	
			For Class 55 Rating, Add	151.36	
40 05 19 00-1311	EA		18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,884.28	580.99
			For Class 52 Rating, Deduct	-110.44	
			For Class 54 Rating, Add	75.30	
			For Class 55 Rating, Add	167.37	
40 05 19 00-1312	EA		18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,984.29	583.64
			For Class 52 Rating, Deduct	-121.00	
			For Class 54 Rating, Add	82.50	
			For Class 55 Rating, Add	183.37	
40 05 19 00-1313	EA		18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,084.31	586.27
			For Class 52 Rating, Deduct	-131.56	
			For Class 54 Rating, Add	89.70	
			For Class 55 Rating, Add	199.37	
40 05 19 00-1314	EA		18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,184.32	588.93
			For Class 52 Rating, Deduct	-142.12	
			For Class 54 Rating, Add	96.90	
			For Class 55 Rating, Add	215.38	
40 05 19 00-1315	EA		18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,284.34	591.58
			For Class 52 Rating, Deduct	-152.68	
			For Class 54 Rating, Add	104.10	
			For Class 55 Rating, Add	231.38	
40 05 19 00-1316	EA		18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,384.34	594.23
			For Class 52 Rating, Deduct	-163.24	
			For Class 54 Rating, Add	111.30	
			For Class 55 Rating, Add	247.38	
40 05 19 00-1317	EA		18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,484.35	596.87
			For Class 52 Rating, Deduct	-173.80	
			For Class 54 Rating, Add	118.50	
			For Class 55 Rating, Add	263.39	
40 05 19 00-1318	EA		18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,584.37	599.52
			For Class 52 Rating, Deduct	-184.36	
			For Class 54 Rating, Add	125.70	
			For Class 55 Rating, Add	279.39	
40 05 19 00-1319	EA		18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,684.38	602.18
			For Class 52 Rating, Deduct	-194.92	
			For Class 54 Rating, Add	132.90	
			For Class 55 Rating, Add	295.39	
40 05 19 00-1320	EA		18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,784.39	604.82
			For Class 52 Rating, Deduct	-205.48	
			For Class 54 Rating, Add	140.10	
			For Class 55 Rating, Add	311.40	
40 05 19 00-1321	EA		18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,884.40	607.47
			For Class 52 Rating, Deduct	-216.04	
			For Class 54 Rating, Add	147.30	
			For Class 55 Rating, Add	327.40	
40 05 19 00-1322	EA		18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,984.42	610.11
			For Class 52 Rating, Deduct	-226.60	
			For Class 54 Rating, Add	154.50	
			For Class 55 Rating, Add	343.40	
40 05 19 00-1323	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,084.43	612.76
			For Class 52 Rating, Deduct	-237.16	
			For Class 54 Rating, Add	161.70	
			For Class 55 Rating, Add	359.41	
40 05 19 00-1324	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,184.45	615.40
			For Class 52 Rating, Deduct	-247.72	
			For Class 54 Rating, Add	168.90	
			For Class 55 Rating, Add	375.41	
40 05 19 00-1325	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,284.45	618.06
			For Class 52 Rating, Deduct	-258.28	
			For Class 54 Rating, Add	176.10	
			For Class 55 Rating, Add	391.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1326	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,384.46	620.71
			<i>For Class 52 Rating, Deduct</i>	-268.84	
			<i>For Class 54 Rating, Add</i>	183.30	
			<i>For Class 55 Rating, Add</i>	407.41	
40 05 19 00-1327	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,484.48	623.35
			<i>For Class 52 Rating, Deduct</i>	-279.40	
			<i>For Class 54 Rating, Add</i>	190.50	
			<i>For Class 55 Rating, Add</i>	423.42	
40 05 19 00-1328	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,584.49	626.00
			<i>For Class 52 Rating, Deduct</i>	-289.96	
			<i>For Class 54 Rating, Add</i>	197.70	
			<i>For Class 55 Rating, Add</i>	439.42	
40 05 19 00-1329	EA		18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,684.51	628.65
			<i>For Class 52 Rating, Deduct</i>	-300.52	
			<i>For Class 54 Rating, Add</i>	204.90	
			<i>For Class 55 Rating, Add</i>	455.42	
40 05 19 00-1330	EA		18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,784.51	631.31
			<i>For Class 52 Rating, Deduct</i>	-311.08	
			<i>For Class 54 Rating, Add</i>	212.10	
			<i>For Class 55 Rating, Add</i>	471.43	
40 05 19 00-1331	EA		18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,884.53	633.94
			<i>For Class 52 Rating, Deduct</i>	-321.64	
			<i>For Class 54 Rating, Add</i>	219.30	
			<i>For Class 55 Rating, Add</i>	487.43	
40 05 19 00-1332	EA		18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,984.54	636.59
			<i>For Class 52 Rating, Deduct</i>	-332.20	
			<i>For Class 54 Rating, Add</i>	226.50	
			<i>For Class 55 Rating, Add</i>	503.43	
40 05 19 00-1333	EA		18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,084.56	639.24
			<i>For Class 52 Rating, Deduct</i>	-342.76	
			<i>For Class 54 Rating, Add</i>	233.70	
			<i>For Class 55 Rating, Add</i>	519.44	
40 05 19 00-1334	EA		18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,184.56	641.89
			<i>For Class 52 Rating, Deduct</i>	-353.32	
			<i>For Class 54 Rating, Add</i>	240.90	
			<i>For Class 55 Rating, Add</i>	535.44	
40 05 19 00-1335	EA		18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,284.57	644.54
			<i>For Class 52 Rating, Deduct</i>	-363.88	
			<i>For Class 54 Rating, Add</i>	248.10	
			<i>For Class 55 Rating, Add</i>	551.44	
40 05 19 00-1336	EA		18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,384.59	647.19
			<i>For Class 52 Rating, Deduct</i>	-374.44	
			<i>For Class 54 Rating, Add</i>	255.30	
			<i>For Class 55 Rating, Add</i>	567.45	
40 05 19 00-1337	EA		18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,484.60	649.84
			<i>For Class 52 Rating, Deduct</i>	-385.00	
			<i>For Class 54 Rating, Add</i>	262.50	
			<i>For Class 55 Rating, Add</i>	583.45	
40 05 19 00-1338	EA		18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,584.62	652.48
			<i>For Class 52 Rating, Deduct</i>	-395.56	
			<i>For Class 54 Rating, Add</i>	269.70	
			<i>For Class 55 Rating, Add</i>	599.45	
40 05 19 00-1339	EA		18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,684.62	655.13
			<i>For Class 52 Rating, Deduct</i>	-406.12	
			<i>For Class 54 Rating, Add</i>	276.90	
			<i>For Class 55 Rating, Add</i>	615.46	
40 05 19 00-1340	EA		18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,784.64	657.79
			<i>For Class 52 Rating, Deduct</i>	-416.68	
			<i>For Class 54 Rating, Add</i>	284.10	
			<i>For Class 55 Rating, Add</i>	631.46	
40 05 19 00-1341	EA		18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,884.65	660.44
			<i>For Class 52 Rating, Deduct</i>	-427.24	
			<i>For Class 54 Rating, Add</i>	291.30	
			<i>For Class 55 Rating, Add</i>	647.46	
40 05 19 00-1342	EA		18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,984.67	663.07
			<i>For Class 52 Rating, Deduct</i>	-437.80	
			<i>For Class 54 Rating, Add</i>	298.50	
			<i>For Class 55 Rating, Add</i>	663.47	
40 05 19 00-1343	EA		18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,084.67	665.72
			<i>For Class 52 Rating, Deduct</i>	-448.36	
			<i>For Class 54 Rating, Add</i>	305.70	
			<i>For Class 55 Rating, Add</i>	679.47	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-1344	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,184.68	668.37
		<i>For Class 52 Rating, Deduct</i>	-458.92	
		<i>For Class 54 Rating, Add</i>	312.90	
		<i>For Class 55 Rating, Add</i>	695.47	
40 05 19 00-1345	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,284.70	671.01
		<i>For Class 52 Rating, Deduct</i>	-469.48	
		<i>For Class 54 Rating, Add</i>	320.10	
		<i>For Class 55 Rating, Add</i>	711.48	
40 05 19 00-1346		20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,834.22	654.07
		<i>For Class 52 Rating, Deduct</i>	-92.75	
		<i>For Class 54 Rating, Add</i>	63.24	
		<i>For Class 55 Rating, Add</i>	140.56	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,948.63	656.72
		<i>For Class 52 Rating, Deduct</i>	-104.90	
		<i>For Class 54 Rating, Add</i>	71.52	
		<i>For Class 55 Rating, Add</i>	158.97	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,063.04	659.37
		<i>For Class 52 Rating, Deduct</i>	-117.04	
		<i>For Class 54 Rating, Add</i>	79.80	
		<i>For Class 55 Rating, Add</i>	177.37	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,177.45	662.02
		<i>For Class 52 Rating, Deduct</i>	-129.18	
		<i>For Class 54 Rating, Add</i>	88.08	
		<i>For Class 55 Rating, Add</i>	195.77	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,291.87	664.67
		<i>For Class 52 Rating, Deduct</i>	-141.33	
		<i>For Class 54 Rating, Add</i>	96.36	
		<i>For Class 55 Rating, Add</i>	214.18	
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,406.28	667.31
		<i>For Class 52 Rating, Deduct</i>	-153.47	
		<i>For Class 54 Rating, Add</i>	104.64	
		<i>For Class 55 Rating, Add</i>	232.58	
40 05 19 00-1353	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,520.69	669.95
		<i>For Class 52 Rating, Deduct</i>	-165.62	
		<i>For Class 54 Rating, Add</i>	112.92	
		<i>For Class 55 Rating, Add</i>	250.98	
40 05 19 00-1354	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,635.10	672.61
		<i>For Class 52 Rating, Deduct</i>	-177.76	
		<i>For Class 54 Rating, Add</i>	121.20	
		<i>For Class 55 Rating, Add</i>	269.39	
40 05 19 00-1355	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,749.52	675.26
		<i>For Class 52 Rating, Deduct</i>	-189.90	
		<i>For Class 54 Rating, Add</i>	129.48	
		<i>For Class 55 Rating, Add</i>	287.79	
40 05 19 00-1356	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,863.93	677.90
		<i>For Class 52 Rating, Deduct</i>	-202.05	
		<i>For Class 54 Rating, Add</i>	137.76	
		<i>For Class 55 Rating, Add</i>	306.19	
40 05 19 00-1357	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,978.34	680.55
		<i>For Class 52 Rating, Deduct</i>	-214.19	
		<i>For Class 54 Rating, Add</i>	146.04	
		<i>For Class 55 Rating, Add</i>	324.60	
40 05 19 00-1358	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,092.75	683.20
		<i>For Class 52 Rating, Deduct</i>	-226.34	
		<i>For Class 54 Rating, Add</i>	154.32	
		<i>For Class 55 Rating, Add</i>	343.00	
40 05 19 00-1359	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,207.16	685.85
		<i>For Class 52 Rating, Deduct</i>	-238.48	
		<i>For Class 54 Rating, Add</i>	162.60	
		<i>For Class 55 Rating, Add</i>	361.41	
40 05 19 00-1360	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,321.58	688.50
		<i>For Class 52 Rating, Deduct</i>	-250.62	
		<i>For Class 54 Rating, Add</i>	170.88	
		<i>For Class 55 Rating, Add</i>	379.81	
40 05 19 00-1361	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,435.99	691.15
		<i>For Class 52 Rating, Deduct</i>	-262.77	
		<i>For Class 54 Rating, Add</i>	179.16	
		<i>For Class 55 Rating, Add</i>	398.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1362	EA		20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,550.40	693.80
			For Class 52 Rating, Deduct	-274.91	
			For Class 54 Rating, Add	187.44	
			For Class 55 Rating, Add	416.62	
40 05 19 00-1363	EA		20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,664.81	696.43
			For Class 52 Rating, Deduct	-287.06	
			For Class 54 Rating, Add	195.72	
			For Class 55 Rating, Add	435.02	
40 05 19 00-1364	EA		20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,779.23	699.08
			For Class 52 Rating, Deduct	-299.20	
			For Class 54 Rating, Add	204.00	
			For Class 55 Rating, Add	453.42	
40 05 19 00-1365	EA		20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,893.64	701.74
			For Class 52 Rating, Deduct	-311.34	
			For Class 54 Rating, Add	212.28	
			For Class 55 Rating, Add	471.83	
40 05 19 00-1366	EA		20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,008.05	704.39
			For Class 52 Rating, Deduct	-323.49	
			For Class 54 Rating, Add	220.56	
			For Class 55 Rating, Add	490.23	
40 05 19 00-1367	EA		20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,122.46	707.03
			For Class 52 Rating, Deduct	-335.63	
			For Class 54 Rating, Add	228.84	
			For Class 55 Rating, Add	508.64	
40 05 19 00-1368	EA		20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,236.87	709.68
			For Class 52 Rating, Deduct	-347.78	
			For Class 54 Rating, Add	237.12	
			For Class 55 Rating, Add	527.04	
40 05 19 00-1369	EA		20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,351.29	712.33
			For Class 52 Rating, Deduct	-359.92	
			For Class 54 Rating, Add	245.40	
			For Class 55 Rating, Add	545.44	
40 05 19 00-1370	EA		20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,465.70	714.98
			For Class 52 Rating, Deduct	-372.06	
			For Class 54 Rating, Add	253.68	
			For Class 55 Rating, Add	563.85	
40 05 19 00-1371	EA		20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,580.12	717.63
			For Class 52 Rating, Deduct	-384.21	
			For Class 54 Rating, Add	261.96	
			For Class 55 Rating, Add	582.25	
40 05 19 00-1372	EA		20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,694.52	720.27
			For Class 52 Rating, Deduct	-396.35	
			For Class 54 Rating, Add	270.24	
			For Class 55 Rating, Add	600.65	
40 05 19 00-1373	EA		20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,808.93	722.92
			For Class 52 Rating, Deduct	-408.50	
			For Class 54 Rating, Add	278.52	
			For Class 55 Rating, Add	619.06	
40 05 19 00-1374	EA		20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,923.35	725.56
			For Class 52 Rating, Deduct	-420.64	
			For Class 54 Rating, Add	286.80	
			For Class 55 Rating, Add	637.46	
40 05 19 00-1375	EA		20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,037.76	728.22
			For Class 52 Rating, Deduct	-432.78	
			For Class 54 Rating, Add	295.08	
			For Class 55 Rating, Add	655.86	
40 05 19 00-1376	EA		20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,152.17	730.87
			For Class 52 Rating, Deduct	-444.93	
			For Class 54 Rating, Add	303.36	
			For Class 55 Rating, Add	674.27	
40 05 19 00-1377	EA		20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,266.58	733.51
			For Class 52 Rating, Deduct	-457.07	
			For Class 54 Rating, Add	311.64	
			For Class 55 Rating, Add	692.67	
40 05 19 00-1378	EA		20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,381.00	736.16
			For Class 52 Rating, Deduct	-469.22	
			For Class 54 Rating, Add	319.92	
			For Class 55 Rating, Add	711.08	
40 05 19 00-1379	EA		20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,495.41	738.81
			For Class 52 Rating, Deduct	-481.36	
			For Class 54 Rating, Add	328.20	
			For Class 55 Rating, Add	729.48	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,609.83	741.47
		<i>For Class 52 Rating, Deduct</i>	-493.50	
		<i>For Class 54 Rating, Add</i>	336.48	
		<i>For Class 55 Rating, Add</i>	747.88	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,724.23	744.10
		<i>For Class 52 Rating, Deduct</i>	-505.65	
		<i>For Class 54 Rating, Add</i>	344.76	
		<i>For Class 55 Rating, Add</i>	766.29	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,838.64	746.75
		<i>For Class 52 Rating, Deduct</i>	-517.79	
		<i>For Class 54 Rating, Add</i>	353.04	
		<i>For Class 55 Rating, Add</i>	784.69	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,953.06	749.40
		<i>For Class 52 Rating, Deduct</i>	-529.94	
		<i>For Class 54 Rating, Add</i>	361.32	
		<i>For Class 55 Rating, Add</i>	803.09	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,067.47	752.04
		<i>For Class 52 Rating, Deduct</i>	-542.08	
		<i>For Class 54 Rating, Add</i>	369.60	
		<i>For Class 55 Rating, Add</i>	821.50	

40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-1028)

40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,224.37	773.23
		<i>For Class 52 Rating, Deduct</i>	-115.81	
		<i>For Class 54 Rating, Add</i>	78.96	
		<i>For Class 55 Rating, Add</i>	175.50	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,365.18	775.88
		<i>For Class 52 Rating, Deduct</i>	-130.86	
		<i>For Class 54 Rating, Add</i>	89.22	
		<i>For Class 55 Rating, Add</i>	198.31	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,505.99	778.53
		<i>For Class 52 Rating, Deduct</i>	-145.90	
		<i>For Class 54 Rating, Add</i>	99.48	
		<i>For Class 55 Rating, Add</i>	221.11	
40 05 19 00-1389	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,646.80	781.17
		<i>For Class 52 Rating, Deduct</i>	-160.95	
		<i>For Class 54 Rating, Add</i>	109.74	
		<i>For Class 55 Rating, Add</i>	243.92	
40 05 19 00-1390	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,787.62	783.83
		<i>For Class 52 Rating, Deduct</i>	-176.00	
		<i>For Class 54 Rating, Add</i>	120.00	
		<i>For Class 55 Rating, Add</i>	266.72	
40 05 19 00-1391	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,928.43	786.48
		<i>For Class 52 Rating, Deduct</i>	-191.05	
		<i>For Class 54 Rating, Add</i>	130.26	
		<i>For Class 55 Rating, Add</i>	289.52	
40 05 19 00-1392	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,069.25	789.13
		<i>For Class 52 Rating, Deduct</i>	-206.10	
		<i>For Class 54 Rating, Add</i>	140.52	
		<i>For Class 55 Rating, Add</i>	312.33	
40 05 19 00-1393	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,210.05	791.77
		<i>For Class 52 Rating, Deduct</i>	-221.14	
		<i>For Class 54 Rating, Add</i>	150.78	
		<i>For Class 55 Rating, Add</i>	335.13	
40 05 19 00-1394	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,350.86	794.42
		<i>For Class 52 Rating, Deduct</i>	-236.19	
		<i>For Class 54 Rating, Add</i>	161.04	
		<i>For Class 55 Rating, Add</i>	357.94	
40 05 19 00-1395	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,491.68	797.07
		<i>For Class 52 Rating, Deduct</i>	-251.24	
		<i>For Class 54 Rating, Add</i>	171.30	
		<i>For Class 55 Rating, Add</i>	380.74	
40 05 19 00-1396	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,632.49	799.71
		<i>For Class 52 Rating, Deduct</i>	-266.29	
		<i>For Class 54 Rating, Add</i>	181.56	
		<i>For Class 55 Rating, Add</i>	403.55	
40 05 19 00-1397	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,773.30	802.36
		<i>For Class 52 Rating, Deduct</i>	-281.34	
		<i>For Class 54 Rating, Add</i>	191.82	
		<i>For Class 55 Rating, Add</i>	426.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1398	EA		24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,914.11	805.01
			For Class 52 Rating, Deduct	-296.38	
			For Class 54 Rating, Add	202.08	
			For Class 55 Rating, Add	449.16	
40 05 19 00-1399	EA		24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,054.93	807.66
			For Class 52 Rating, Deduct	-311.43	
			For Class 54 Rating, Add	212.34	
			For Class 55 Rating, Add	471.96	
40 05 19 00-1400	EA		24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,195.74	810.31
			For Class 52 Rating, Deduct	-326.48	
			For Class 54 Rating, Add	222.60	
			For Class 55 Rating, Add	494.77	
40 05 19 00-1401	EA		24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,336.55	812.96
			For Class 52 Rating, Deduct	-341.53	
			For Class 54 Rating, Add	232.86	
			For Class 55 Rating, Add	517.57	
40 05 19 00-1402	EA		24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,477.36	815.61
			For Class 52 Rating, Deduct	-356.58	
			For Class 54 Rating, Add	243.12	
			For Class 55 Rating, Add	540.37	
40 05 19 00-1403	EA		24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,618.17	818.25
			For Class 52 Rating, Deduct	-371.62	
			For Class 54 Rating, Add	253.38	
			For Class 55 Rating, Add	563.18	
40 05 19 00-1404	EA		24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,758.99	820.89
			For Class 52 Rating, Deduct	-386.67	
			For Class 54 Rating, Add	263.64	
			For Class 55 Rating, Add	585.98	
40 05 19 00-1405	EA		24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,899.80	823.55
			For Class 52 Rating, Deduct	-401.72	
			For Class 54 Rating, Add	273.90	
			For Class 55 Rating, Add	608.79	
40 05 19 00-1406	EA		24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,040.62	826.20
			For Class 52 Rating, Deduct	-416.77	
			For Class 54 Rating, Add	284.16	
			For Class 55 Rating, Add	631.59	
40 05 19 00-1407	EA		24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,181.42	828.84
			For Class 52 Rating, Deduct	-431.82	
			For Class 54 Rating, Add	294.42	
			For Class 55 Rating, Add	654.40	
40 05 19 00-1408	EA		24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,322.24	831.49
			For Class 52 Rating, Deduct	-446.86	
			For Class 54 Rating, Add	304.68	
			For Class 55 Rating, Add	677.20	
40 05 19 00-1409	EA		24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,463.05	834.14
			For Class 52 Rating, Deduct	-461.91	
			For Class 54 Rating, Add	314.94	
			For Class 55 Rating, Add	700.01	
40 05 19 00-1410	EA		24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,603.86	836.79
			For Class 52 Rating, Deduct	-476.96	
			For Class 54 Rating, Add	325.20	
			For Class 55 Rating, Add	722.81	
40 05 19 00-1411	EA		24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,744.67	839.44
			For Class 52 Rating, Deduct	-492.01	
			For Class 54 Rating, Add	335.46	
			For Class 55 Rating, Add	745.62	
40 05 19 00-1412	EA		24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,885.48	842.09
			For Class 52 Rating, Deduct	-507.06	
			For Class 54 Rating, Add	345.72	
			For Class 55 Rating, Add	768.42	
40 05 19 00-1413	EA		24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,026.30	844.74
			For Class 52 Rating, Deduct	-522.10	
			For Class 54 Rating, Add	355.98	
			For Class 55 Rating, Add	791.22	
40 05 19 00-1414	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,167.11	847.37
			For Class 52 Rating, Deduct	-537.15	
			For Class 54 Rating, Add	366.24	
			For Class 55 Rating, Add	814.03	
40 05 19 00-1415	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,376.13	895.05
			For Class 52 Rating, Deduct	-552.20	
			For Class 54 Rating, Add	376.50	
			For Class 55 Rating, Add	836.83	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1416	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,516.95	897.69
		<i>For Class 52 Rating, Deduct</i>	-567.25	
		<i>For Class 54 Rating, Add</i>	386.76	
		<i>For Class 55 Rating, Add</i>	859.64	
40 05 19 00-1417	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,657.75	900.34
		<i>For Class 52 Rating, Deduct</i>	-582.30	
		<i>For Class 54 Rating, Add</i>	397.02	
		<i>For Class 55 Rating, Add</i>	882.44	
40 05 19 00-1418	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,798.57	902.99
		<i>For Class 52 Rating, Deduct</i>	-597.34	
		<i>For Class 54 Rating, Add</i>	407.28	
		<i>For Class 55 Rating, Add</i>	905.25	
40 05 19 00-1419	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,939.38	905.63
		<i>For Class 52 Rating, Deduct</i>	-612.39	
		<i>For Class 54 Rating, Add</i>	417.54	
		<i>For Class 55 Rating, Add</i>	928.05	
40 05 19 00-1420	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,080.19	908.29
		<i>For Class 52 Rating, Deduct</i>	-627.44	
		<i>For Class 54 Rating, Add</i>	427.80	
		<i>For Class 55 Rating, Add</i>	950.86	
40 05 19 00-1421	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,221.00	910.94
		<i>For Class 52 Rating, Deduct</i>	-642.49	
		<i>For Class 54 Rating, Add</i>	438.06	
		<i>For Class 55 Rating, Add</i>	973.66	
40 05 19 00-1422	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,361.81	913.58
		<i>For Class 52 Rating, Deduct</i>	-657.54	
		<i>For Class 54 Rating, Add</i>	448.32	
		<i>For Class 55 Rating, Add</i>	996.47	
40 05 19 00-1423	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,502.63	916.23
		<i>For Class 52 Rating, Deduct</i>	-672.58	
		<i>For Class 54 Rating, Add</i>	458.58	
		<i>For Class 55 Rating, Add</i>	1,019.27	

40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-1028)

40 05 19 00-1425	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,317.04	1,091.01
		<i>For Class 52 Rating, Deduct</i>	-183.04	
		<i>For Class 54 Rating, Add</i>	124.80	
		<i>For Class 55 Rating, Add</i>	277.39	
40 05 19 00-1426	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,518.64	1,093.65
		<i>For Class 52 Rating, Deduct</i>	-204.78	
		<i>For Class 54 Rating, Add</i>	139.62	
		<i>For Class 55 Rating, Add</i>	310.33	
40 05 19 00-1427	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,720.26	1,096.30
		<i>For Class 52 Rating, Deduct</i>	-226.51	
		<i>For Class 54 Rating, Add</i>	154.44	
		<i>For Class 55 Rating, Add</i>	343.27	
40 05 19 00-1428	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,921.87	1,098.95
		<i>For Class 52 Rating, Deduct</i>	-248.25	
		<i>For Class 54 Rating, Add</i>	169.26	
		<i>For Class 55 Rating, Add</i>	376.21	
40 05 19 00-1429	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,123.49	1,101.60
		<i>For Class 52 Rating, Deduct</i>	-269.98	
		<i>For Class 54 Rating, Add</i>	184.08	
		<i>For Class 55 Rating, Add</i>	409.15	
40 05 19 00-1430	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,325.09	1,104.24
		<i>For Class 52 Rating, Deduct</i>	-291.72	
		<i>For Class 54 Rating, Add</i>	198.90	
		<i>For Class 55 Rating, Add</i>	442.09	
40 05 19 00-1431	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,526.70	1,106.89
		<i>For Class 52 Rating, Deduct</i>	-313.46	
		<i>For Class 54 Rating, Add</i>	213.72	
		<i>For Class 55 Rating, Add</i>	475.03	
40 05 19 00-1432	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,728.32	1,109.54
		<i>For Class 52 Rating, Deduct</i>	-335.19	
		<i>For Class 54 Rating, Add</i>	228.54	
		<i>For Class 55 Rating, Add</i>	507.97	
40 05 19 00-1433	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,929.93	1,112.18
		<i>For Class 52 Rating, Deduct</i>	-356.93	
		<i>For Class 54 Rating, Add</i>	243.36	
		<i>For Class 55 Rating, Add</i>	540.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1434	EA		30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,131.55	1,114.84
			For Class 52 Rating, Deduct	-378.66	
			For Class 54 Rating, Add	258.18	
			For Class 55 Rating, Add	573.85	
40 05 19 00-1435	EA		30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,333.15	1,117.49
			For Class 52 Rating, Deduct	-400.40	
			For Class 54 Rating, Add	273.00	
			For Class 55 Rating, Add	606.79	
40 05 19 00-1436	EA		30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,534.77	1,120.14
			For Class 52 Rating, Deduct	-422.14	
			For Class 54 Rating, Add	287.82	
			For Class 55 Rating, Add	639.73	
40 05 19 00-1437	EA		30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,736.38	1,122.77
			For Class 52 Rating, Deduct	-443.87	
			For Class 54 Rating, Add	302.64	
			For Class 55 Rating, Add	672.67	
40 05 19 00-1438	EA		30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,938.00	1,125.42
			For Class 52 Rating, Deduct	-465.61	
			For Class 54 Rating, Add	317.46	
			For Class 55 Rating, Add	705.61	
40 05 19 00-1439	EA		30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,139.60	1,128.08
			For Class 52 Rating, Deduct	-487.34	
			For Class 54 Rating, Add	332.28	
			For Class 55 Rating, Add	738.55	
40 05 19 00-1440	EA		30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,341.21	1,130.72
			For Class 52 Rating, Deduct	-509.08	
			For Class 54 Rating, Add	347.10	
			For Class 55 Rating, Add	771.49	
40 05 19 00-1441	EA		30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,542.83	1,133.37
			For Class 52 Rating, Deduct	-530.82	
			For Class 54 Rating, Add	361.92	
			For Class 55 Rating, Add	804.43	
40 05 19 00-1442	EA		30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,744.44	1,136.02
			For Class 52 Rating, Deduct	-552.55	
			For Class 54 Rating, Add	376.74	
			For Class 55 Rating, Add	837.37	
40 05 19 00-1443	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,946.06	1,138.67
			For Class 52 Rating, Deduct	-574.29	
			For Class 54 Rating, Add	391.56	
			For Class 55 Rating, Add	870.31	
40 05 19 00-1444	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,147.66	1,141.31
			For Class 52 Rating, Deduct	-596.02	
			For Class 54 Rating, Add	406.38	
			For Class 55 Rating, Add	903.25	
40 05 19 00-1445	EA		30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,349.28	1,143.97
			For Class 52 Rating, Deduct	-617.76	
			For Class 54 Rating, Add	421.20	
			For Class 55 Rating, Add	936.19	
40 05 19 00-1446	EA		30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,550.89	1,146.62
			For Class 52 Rating, Deduct	-639.50	
			For Class 54 Rating, Add	436.02	
			For Class 55 Rating, Add	969.13	
40 05 19 00-1447	EA		30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,752.51	1,149.25
			For Class 52 Rating, Deduct	-661.23	
			For Class 54 Rating, Add	450.84	
			For Class 55 Rating, Add	1,002.07	
40 05 19 00-1448	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,954.11	1,151.90
			For Class 52 Rating, Deduct	-682.97	
			For Class 54 Rating, Add	465.66	
			For Class 55 Rating, Add	1,035.01	
40 05 19 00-1449	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,155.72	1,154.55
			For Class 52 Rating, Deduct	-704.70	
			For Class 54 Rating, Add	480.48	
			For Class 55 Rating, Add	1,067.95	
40 05 19 00-1450	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,357.34	1,157.21
			For Class 52 Rating, Deduct	-726.44	
			For Class 54 Rating, Add	495.30	
			For Class 55 Rating, Add	1,100.89	
40 05 19 00-1451	EA		30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,558.95	1,159.85
			For Class 52 Rating, Deduct	-748.18	
			For Class 54 Rating, Add	510.12	
			For Class 55 Rating, Add	1,133.83	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-1452	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,760.57	1,162.50
		<i>For Class 52 Rating, Deduct</i>	-769.91	
		<i>For Class 54 Rating, Add</i>	524.94	
		<i>For Class 55 Rating, Add</i>	1,166.77	
40 05 19 00-1453	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,962.17	1,165.15
		<i>For Class 52 Rating, Deduct</i>	-791.65	
		<i>For Class 54 Rating, Add</i>	539.76	
		<i>For Class 55 Rating, Add</i>	1,199.71	
40 05 19 00-1454	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,163.79	1,167.80
		<i>For Class 52 Rating, Deduct</i>	-813.38	
		<i>For Class 54 Rating, Add</i>	554.58	
		<i>For Class 55 Rating, Add</i>	1,232.65	
40 05 19 00-1455	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,365.40	1,170.45
		<i>For Class 52 Rating, Deduct</i>	-835.12	
		<i>For Class 54 Rating, Add</i>	569.40	
		<i>For Class 55 Rating, Add</i>	1,265.59	
40 05 19 00-1456	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,567.02	1,173.10
		<i>For Class 52 Rating, Deduct</i>	-856.86	
		<i>For Class 54 Rating, Add</i>	584.22	
		<i>For Class 55 Rating, Add</i>	1,298.53	
40 05 19 00-1457	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,768.63	1,175.74
		<i>For Class 52 Rating, Deduct</i>	-878.59	
		<i>For Class 54 Rating, Add</i>	599.04	
		<i>For Class 55 Rating, Add</i>	1,331.47	
40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,970.23	1,178.38
		<i>For Class 52 Rating, Deduct</i>	-900.33	
		<i>For Class 54 Rating, Add</i>	613.86	
		<i>For Class 55 Rating, Add</i>	1,364.41	
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,171.85	1,181.03
		<i>For Class 52 Rating, Deduct</i>	-922.06	
		<i>For Class 54 Rating, Add</i>	628.68	
		<i>For Class 55 Rating, Add</i>	1,397.35	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,373.46	1,183.69
		<i>For Class 52 Rating, Deduct</i>	-943.80	
		<i>For Class 54 Rating, Add</i>	643.50	
		<i>For Class 55 Rating, Add</i>	1,430.29	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,575.08	1,186.34
		<i>For Class 52 Rating, Deduct</i>	-965.54	
		<i>For Class 54 Rating, Add</i>	658.32	
		<i>For Class 55 Rating, Add</i>	1,463.23	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,776.68	1,188.98
		<i>For Class 52 Rating, Deduct</i>	-987.27	
		<i>For Class 54 Rating, Add</i>	673.14	
		<i>For Class 55 Rating, Add</i>	1,496.17	

40 05 19 00-1463 36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-1028)

40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,463.97	1,382.29
		<i>For Class 52 Rating, Deduct</i>	-260.66	
		<i>For Class 54 Rating, Add</i>	177.72	
		<i>For Class 55 Rating, Add</i>	395.01	
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,736.79	1,384.94
		<i>For Class 52 Rating, Deduct</i>	-290.22	
		<i>For Class 54 Rating, Add</i>	197.88	
		<i>For Class 55 Rating, Add</i>	439.82	
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,009.60	1,387.58
		<i>For Class 52 Rating, Deduct</i>	-319.79	
		<i>For Class 54 Rating, Add</i>	218.04	
		<i>For Class 55 Rating, Add</i>	484.63	
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,282.42	1,390.23
		<i>For Class 52 Rating, Deduct</i>	-349.36	
		<i>For Class 54 Rating, Add</i>	238.20	
		<i>For Class 55 Rating, Add</i>	529.44	
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,555.23	1,392.89
		<i>For Class 52 Rating, Deduct</i>	-378.93	
		<i>For Class 54 Rating, Add</i>	258.36	
		<i>For Class 55 Rating, Add</i>	574.25	
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,828.04	1,395.53
		<i>For Class 52 Rating, Deduct</i>	-408.50	
		<i>For Class 54 Rating, Add</i>	278.52	
		<i>For Class 55 Rating, Add</i>	619.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1470	EA		36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,100.85	1,398.18
			For Class 52 Rating, Deduct	-438.06	
			For Class 54 Rating, Add	298.68	
			For Class 55 Rating, Add	663.87	
40 05 19 00-1471	EA		36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,373.66	1,400.83
			For Class 52 Rating, Deduct	-467.63	
			For Class 54 Rating, Add	318.84	
			For Class 55 Rating, Add	708.68	
40 05 19 00-1472	EA		36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,646.48	1,403.47
			For Class 52 Rating, Deduct	-497.20	
			For Class 54 Rating, Add	339.00	
			For Class 55 Rating, Add	753.48	
40 05 19 00-1473	EA		36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,919.28	1,406.12
			For Class 52 Rating, Deduct	-526.77	
			For Class 54 Rating, Add	359.16	
			For Class 55 Rating, Add	798.29	
40 05 19 00-1474	EA		36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,192.10	1,408.77
			For Class 52 Rating, Deduct	-556.34	
			For Class 54 Rating, Add	379.32	
			For Class 55 Rating, Add	843.10	
40 05 19 00-1475	EA		36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,464.91	1,411.42
			For Class 52 Rating, Deduct	-585.90	
			For Class 54 Rating, Add	399.48	
			For Class 55 Rating, Add	887.91	
40 05 19 00-1476	EA		36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,737.73	1,414.06
			For Class 52 Rating, Deduct	-615.47	
			For Class 54 Rating, Add	419.64	
			For Class 55 Rating, Add	932.72	
40 05 19 00-1477	EA		36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,010.54	1,416.71
			For Class 52 Rating, Deduct	-645.04	
			For Class 54 Rating, Add	439.80	
			For Class 55 Rating, Add	977.53	
40 05 19 00-1478	EA		36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,283.35	1,419.37
			For Class 52 Rating, Deduct	-674.61	
			For Class 54 Rating, Add	459.96	
			For Class 55 Rating, Add	1,022.34	
40 05 19 00-1479	EA		36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,556.16	1,422.02
			For Class 52 Rating, Deduct	-704.18	
			For Class 54 Rating, Add	480.12	
			For Class 55 Rating, Add	1,067.15	
40 05 19 00-1480	EA		36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,828.97	1,424.66
			For Class 52 Rating, Deduct	-733.74	
			For Class 54 Rating, Add	500.28	
			For Class 55 Rating, Add	1,111.96	
40 05 19 00-1481	EA		36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,101.79	1,427.30
			For Class 52 Rating, Deduct	-763.31	
			For Class 54 Rating, Add	520.44	
			For Class 55 Rating, Add	1,156.76	
40 05 19 00-1482	EA		36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,374.59	1,429.95
			For Class 52 Rating, Deduct	-792.88	
			For Class 54 Rating, Add	540.60	
			For Class 55 Rating, Add	1,201.57	
40 05 19 00-1483	EA		36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,647.41	1,432.61
			For Class 52 Rating, Deduct	-822.45	
			For Class 54 Rating, Add	560.76	
			For Class 55 Rating, Add	1,246.38	
40 05 19 00-1484	EA		36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,920.22	1,435.25
			For Class 52 Rating, Deduct	-852.02	
			For Class 54 Rating, Add	580.92	
			For Class 55 Rating, Add	1,291.19	
40 05 19 00-1485	EA		36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,193.04	1,437.90
			For Class 52 Rating, Deduct	-881.58	
			For Class 54 Rating, Add	601.08	
			For Class 55 Rating, Add	1,336.00	
40 05 19 00-1486	EA		36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,465.85	1,440.55
			For Class 52 Rating, Deduct	-911.15	
			For Class 54 Rating, Add	621.24	
			For Class 55 Rating, Add	1,380.81	
40 05 19 00-1487	EA		36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,738.66	1,443.19
			For Class 52 Rating, Deduct	-940.72	
			For Class 54 Rating, Add	641.40	
			For Class 55 Rating, Add	1,425.62	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,011.47	1,445.84
		<i>For Class 52 Rating, Deduct</i>	-970.29	
		<i>For Class 54 Rating, Add</i>	661.56	
		<i>For Class 55 Rating, Add</i>	1,470.43	
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,284.28	1,448.50
		<i>For Class 52 Rating, Deduct</i>	-999.86	
		<i>For Class 54 Rating, Add</i>	681.72	
		<i>For Class 55 Rating, Add</i>	1,515.24	
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,557.10	1,451.15
		<i>For Class 52 Rating, Deduct</i>	-1,029.42	
		<i>For Class 54 Rating, Add</i>	701.88	
		<i>For Class 55 Rating, Add</i>	1,560.05	
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,829.90	1,453.78
		<i>For Class 52 Rating, Deduct</i>	-1,058.99	
		<i>For Class 54 Rating, Add</i>	722.04	
		<i>For Class 55 Rating, Add</i>	1,604.85	
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,102.72	1,456.43
		<i>For Class 52 Rating, Deduct</i>	-1,088.56	
		<i>For Class 54 Rating, Add</i>	742.20	
		<i>For Class 55 Rating, Add</i>	1,649.66	
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,375.53	1,459.08
		<i>For Class 52 Rating, Deduct</i>	-1,118.13	
		<i>For Class 54 Rating, Add</i>	762.36	
		<i>For Class 55 Rating, Add</i>	1,694.47	
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,648.35	1,461.73
		<i>For Class 52 Rating, Deduct</i>	-1,147.70	
		<i>For Class 54 Rating, Add</i>	782.52	
		<i>For Class 55 Rating, Add</i>	1,739.28	
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,921.16	1,464.38
		<i>For Class 52 Rating, Deduct</i>	-1,177.26	
		<i>For Class 54 Rating, Add</i>	802.68	
		<i>For Class 55 Rating, Add</i>	1,784.09	
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,193.97	1,467.03
		<i>For Class 52 Rating, Deduct</i>	-1,206.83	
		<i>For Class 54 Rating, Add</i>	822.84	
		<i>For Class 55 Rating, Add</i>	1,828.90	
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,466.78	1,469.68
		<i>For Class 52 Rating, Deduct</i>	-1,236.40	
		<i>For Class 54 Rating, Add</i>	843.00	
		<i>For Class 55 Rating, Add</i>	1,873.71	
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,739.59	1,472.32
		<i>For Class 52 Rating, Deduct</i>	-1,265.97	
		<i>For Class 54 Rating, Add</i>	863.16	
		<i>For Class 55 Rating, Add</i>	1,918.52	
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,012.41	1,474.98
		<i>For Class 52 Rating, Deduct</i>	-1,295.54	
		<i>For Class 54 Rating, Add</i>	883.32	
		<i>For Class 55 Rating, Add</i>	1,963.33	
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,285.22	1,477.63
		<i>For Class 52 Rating, Deduct</i>	-1,325.10	
		<i>For Class 54 Rating, Add</i>	903.48	
		<i>For Class 55 Rating, Add</i>	2,008.13	
40 05 19 00-1501	EA	36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,558.03	1,480.26
		<i>For Class 52 Rating, Deduct</i>	-1,354.67	
		<i>For Class 54 Rating, Add</i>	923.64	
		<i>For Class 55 Rating, Add</i>	2,052.94	
40 05 19 00-1502		42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
		<small>(40 05 19 00-1028)</small>		
40 05 19 00-1503	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,816.84	1,742.43
		<i>For Class 52 Rating, Deduct</i>	-349.45	
		<i>For Class 54 Rating, Add</i>	238.26	
		<i>For Class 55 Rating, Add</i>	529.57	
40 05 19 00-1504	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,222.45	1,745.07
		<i>For Class 52 Rating, Deduct</i>	-393.62	
		<i>For Class 54 Rating, Add</i>	268.38	
		<i>For Class 55 Rating, Add</i>	596.52	
40 05 19 00-1505	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,623.26	1,747.72
		<i>For Class 52 Rating, Deduct</i>	-437.27	
		<i>For Class 54 Rating, Add</i>	298.14	
		<i>For Class 55 Rating, Add</i>	662.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1506	EA		42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,028.08	1,750.37
			For Class 52 Rating, Deduct	-481.36	
			For Class 54 Rating, Add	328.20	
			For Class 55 Rating, Add	729.48	
40 05 19 00-1507	EA		42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,428.89	1,753.03
			For Class 52 Rating, Deduct	-525.01	
			For Class 54 Rating, Add	357.96	
			For Class 55 Rating, Add	795.63	
40 05 19 00-1508	EA		42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,834.50	1,755.66
			For Class 52 Rating, Deduct	-569.18	
			For Class 54 Rating, Add	388.08	
			For Class 55 Rating, Add	862.57	
40 05 19 00-1509	EA		42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,234.51	1,758.31
			For Class 52 Rating, Deduct	-612.74	
			For Class 54 Rating, Add	417.78	
			For Class 55 Rating, Add	928.59	
40 05 19 00-1510	EA		42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,640.13	1,760.96
			For Class 52 Rating, Deduct	-656.92	
			For Class 54 Rating, Add	447.90	
			For Class 55 Rating, Add	995.53	
40 05 19 00-1511	EA		42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,040.94	1,763.61
			For Class 52 Rating, Deduct	-700.57	
			For Class 54 Rating, Add	477.66	
			For Class 55 Rating, Add	1,061.68	
40 05 19 00-1512	EA		42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,445.75	1,766.26
			For Class 52 Rating, Deduct	-744.66	
			For Class 54 Rating, Add	507.72	
			For Class 55 Rating, Add	1,128.49	
40 05 19 00-1513	EA		42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,846.56	1,768.91
			For Class 52 Rating, Deduct	-788.30	
			For Class 54 Rating, Add	537.48	
			For Class 55 Rating, Add	1,194.64	
40 05 19 00-1514	EA		42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,251.37	1,771.56
			For Class 52 Rating, Deduct	-832.39	
			For Class 54 Rating, Add	567.54	
			For Class 55 Rating, Add	1,261.45	
40 05 19 00-1515	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,652.19	1,774.20
			For Class 52 Rating, Deduct	-876.04	
			For Class 54 Rating, Add	597.30	
			For Class 55 Rating, Add	1,327.60	
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,053.80	1,776.85
			For Class 52 Rating, Deduct	-919.78	
			For Class 54 Rating, Add	627.12	
			For Class 55 Rating, Add	1,393.88	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,457.81	1,779.51
			For Class 52 Rating, Deduct	-963.78	
			For Class 54 Rating, Add	657.12	
			For Class 55 Rating, Add	1,460.56	
40 05 19 00-1518	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,858.62	1,782.15
			For Class 52 Rating, Deduct	-1,007.42	
			For Class 54 Rating, Add	686.88	
			For Class 55 Rating, Add	1,526.71	
40 05 19 00-1519	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,264.23	1,784.79
			For Class 52 Rating, Deduct	-1,051.60	
			For Class 54 Rating, Add	717.00	
			For Class 55 Rating, Add	1,593.65	
40 05 19 00-1520	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,665.05	1,787.44
			For Class 52 Rating, Deduct	-1,095.25	
			For Class 54 Rating, Add	746.76	
			For Class 55 Rating, Add	1,659.80	
40 05 19 00-1521	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,069.86	1,790.09
			For Class 52 Rating, Deduct	-1,139.34	
			For Class 54 Rating, Add	776.82	
			For Class 55 Rating, Add	1,726.61	
40 05 19 00-1522	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,470.67	1,792.73
			For Class 52 Rating, Deduct	-1,182.98	
			For Class 54 Rating, Add	806.58	
			For Class 55 Rating, Add	1,792.76	
40 05 19 00-1523	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,876.28	1,795.39
			For Class 52 Rating, Deduct	-1,227.16	
			For Class 54 Rating, Add	836.70	
			For Class 55 Rating, Add	1,859.71	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1524	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,277.10	1,798.04
			For Class 52 Rating, Deduct	-1,270.81	
			For Class 54 Rating, Add	866.46	
			For Class 55 Rating, Add	1,925.85	
40 05 19 00-1525	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,681.91	1,800.69
			For Class 52 Rating, Deduct	-1,314.90	
			For Class 54 Rating, Add	896.52	
			For Class 55 Rating, Add	1,992.67	
40 05 19 00-1526	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,082.72	1,803.33
			For Class 52 Rating, Deduct	-1,358.54	
			For Class 54 Rating, Add	926.28	
			For Class 55 Rating, Add	2,058.81	
40 05 19 00-1527	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,488.33	1,805.97
			For Class 52 Rating, Deduct	-1,402.72	
			For Class 54 Rating, Add	956.40	
			For Class 55 Rating, Add	2,125.76	
40 05 19 00-1528	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,889.14	1,808.63
			For Class 52 Rating, Deduct	-1,446.37	
			For Class 54 Rating, Add	986.16	
			For Class 55 Rating, Add	2,191.90	
40 05 19 00-1529	EA		42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,293.16	1,811.27
			For Class 52 Rating, Deduct	-1,490.37	
			For Class 54 Rating, Add	1,016.16	
			For Class 55 Rating, Add	2,258.58	
40 05 19 00-1530	EA		42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,694.77	1,813.92
			For Class 52 Rating, Deduct	-1,534.10	
			For Class 54 Rating, Add	1,045.98	
			For Class 55 Rating, Add	2,324.86	
40 05 19 00-1531	EA		42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,015.58	1,816.57
			For Class 52 Rating, Deduct	-1,568.95	
			For Class 54 Rating, Add	1,069.74	
			For Class 55 Rating, Add	2,377.68	
40 05 19 00-1532	EA		42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,500.39	1,819.22
			For Class 52 Rating, Deduct	-1,621.84	
			For Class 54 Rating, Add	1,105.80	
			For Class 55 Rating, Add	2,457.82	
40 05 19 00-1533	EA		42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,901.21	1,821.87
			For Class 52 Rating, Deduct	-1,665.49	
			For Class 54 Rating, Add	1,135.56	
			For Class 55 Rating, Add	2,523.97	
40 05 19 00-1534	EA		42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,306.02	1,824.52
			For Class 52 Rating, Deduct	-1,709.58	
			For Class 54 Rating, Add	1,165.62	
			For Class 55 Rating, Add	2,590.78	
40 05 19 00-1535	EA		42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,706.84	1,827.17
			For Class 52 Rating, Deduct	-1,753.22	
			For Class 54 Rating, Add	1,195.38	
			For Class 55 Rating, Add	2,656.93	
40 05 19 00-1536	EA		42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,112.44	1,829.82
			For Class 52 Rating, Deduct	-1,797.40	
			For Class 54 Rating, Add	1,225.50	
			For Class 55 Rating, Add	2,723.88	
40 05 19 00-1537	EA		42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,512.45	1,832.45
			For Class 52 Rating, Deduct	-1,840.96	
			For Class 54 Rating, Add	1,255.20	
			For Class 55 Rating, Add	2,789.89	
40 05 19 00-1538	EA		42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,918.07	1,835.11
			For Class 52 Rating, Deduct	-1,885.14	
			For Class 54 Rating, Add	1,285.32	
			For Class 55 Rating, Add	2,856.84	
40 05 19 00-1539	EA		42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,318.88	1,837.76
			For Class 52 Rating, Deduct	-1,928.78	
			For Class 54 Rating, Add	1,315.08	
			For Class 55 Rating, Add	2,922.98	
40 05 19 00-1540	EA		42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,723.69	1,840.40
			For Class 52 Rating, Deduct	-1,972.87	
			For Class 54 Rating, Add	1,345.14	
			For Class 55 Rating, Add	2,989.80	

40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1542	EA		48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,449.30	2,189.94
			For Class 52 Rating, Deduct	-454.43	
			For Class 54 Rating, Add	309.84	
			For Class 55 Rating, Add	688.67	
40 05 19 00-1543	EA		48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,038.11	2,192.59
			For Class 52 Rating, Deduct	-518.76	
			For Class 54 Rating, Add	353.70	
			For Class 55 Rating, Add	786.16	
40 05 19 00-1544	EA		48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,626.13	2,195.25
			For Class 52 Rating, Deduct	-583.00	
			For Class 54 Rating, Add	397.50	
			For Class 55 Rating, Add	883.51	
40 05 19 00-1545	EA		48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,218.94	2,197.90
			For Class 52 Rating, Deduct	-647.77	
			For Class 54 Rating, Add	441.66	
			For Class 55 Rating, Add	981.66	
40 05 19 00-1546	EA		48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,807.76	2,200.54
			For Class 52 Rating, Deduct	-712.10	
			For Class 54 Rating, Add	485.52	
			For Class 55 Rating, Add	1,079.15	
40 05 19 00-1547	EA		48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,396.56	2,203.19
			For Class 52 Rating, Deduct	-776.42	
			For Class 54 Rating, Add	529.38	
			For Class 55 Rating, Add	1,176.64	
40 05 19 00-1548	EA		48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,988.58	2,205.84
			For Class 52 Rating, Deduct	-841.10	
			For Class 54 Rating, Add	573.48	
			For Class 55 Rating, Add	1,274.65	
40 05 19 00-1549	EA		48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,578.19	2,208.48
			For Class 52 Rating, Deduct	-905.52	
			For Class 54 Rating, Add	617.40	
			For Class 55 Rating, Add	1,372.27	
40 05 19 00-1550	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,166.21	2,211.13
			For Class 52 Rating, Deduct	-969.76	
			For Class 54 Rating, Add	661.20	
			For Class 55 Rating, Add	1,469.63	
40 05 19 00-1551	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,759.01	2,213.78
			For Class 52 Rating, Deduct	-1,034.53	
			For Class 54 Rating, Add	705.36	
			For Class 55 Rating, Add	1,567.78	
40 05 19 00-1552	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,347.82	2,216.43
			For Class 52 Rating, Deduct	-1,098.86	
			For Class 54 Rating, Add	749.22	
			For Class 55 Rating, Add	1,665.27	
40 05 19 00-1553	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,940.64	2,219.07
			For Class 52 Rating, Deduct	-1,163.62	
			For Class 54 Rating, Add	793.38	
			For Class 55 Rating, Add	1,763.42	
40 05 19 00-1554	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,528.65	2,221.72
			For Class 52 Rating, Deduct	-1,227.86	
			For Class 54 Rating, Add	837.18	
			For Class 55 Rating, Add	1,860.77	
40 05 19 00-1555	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,117.47	2,224.38
			For Class 52 Rating, Deduct	-1,292.19	
			For Class 54 Rating, Add	881.04	
			For Class 55 Rating, Add	1,958.26	
40 05 19 00-1556	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,710.27	2,227.03
			For Class 52 Rating, Deduct	-1,356.96	
			For Class 54 Rating, Add	925.20	
			For Class 55 Rating, Add	2,056.41	
40 05 19 00-1557	EA		48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,299.09	2,229.67
			For Class 52 Rating, Deduct	-1,421.29	
			For Class 54 Rating, Add	969.06	
			For Class 55 Rating, Add	2,153.90	
40 05 19 00-1558	EA		48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,887.10	2,232.32
			For Class 52 Rating, Deduct	-1,485.53	
			For Class 54 Rating, Add	1,012.86	
			For Class 55 Rating, Add	2,251.25	
40 05 19 00-1559	EA		48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,479.92	2,234.97
			For Class 52 Rating, Deduct	-1,550.30	
			For Class 54 Rating, Add	1,057.02	
			For Class 55 Rating, Add	2,349.40	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1560	EA		48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,068.72	2,237.61
			<i>For Class 52 Rating, Deduct</i>	-1,614.62	
			<i>For Class 54 Rating, Add</i>	1,100.88	
			<i>For Class 55 Rating, Add</i>	2,446.89	
40 05 19 00-1561	EA		48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,656.73	2,240.26
			<i>For Class 52 Rating, Deduct</i>	-1,678.86	
			<i>For Class 54 Rating, Add</i>	1,144.68	
			<i>For Class 55 Rating, Add</i>	2,544.24	
40 05 19 00-1562	EA		48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,249.55	2,242.91
			<i>For Class 52 Rating, Deduct</i>	-1,743.63	
			<i>For Class 54 Rating, Add</i>	1,188.84	
			<i>For Class 55 Rating, Add</i>	2,642.40	
40 05 19 00-1563	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,839.16	2,245.56
			<i>For Class 52 Rating, Deduct</i>	-1,808.05	
			<i>For Class 54 Rating, Add</i>	1,232.76	
			<i>For Class 55 Rating, Add</i>	2,740.01	
40 05 19 00-1564	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,427.18	2,248.20
			<i>For Class 52 Rating, Deduct</i>	-1,872.29	
			<i>For Class 54 Rating, Add</i>	1,276.56	
			<i>For Class 55 Rating, Add</i>	2,837.37	
40 05 19 00-1565	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,019.98	2,250.86
			<i>For Class 52 Rating, Deduct</i>	-1,937.06	
			<i>For Class 54 Rating, Add</i>	1,320.72	
			<i>For Class 55 Rating, Add</i>	2,935.52	
40 05 19 00-1566	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,608.80	2,253.51
			<i>For Class 52 Rating, Deduct</i>	-2,001.38	
			<i>For Class 54 Rating, Add</i>	1,364.58	
			<i>For Class 55 Rating, Add</i>	3,033.01	
40 05 19 00-1567	EA		48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,196.81	2,256.15
			<i>For Class 52 Rating, Deduct</i>	-2,065.62	
			<i>For Class 54 Rating, Add</i>	1,408.38	
			<i>For Class 55 Rating, Add</i>	3,130.36	
40 05 19 00-1568	EA		48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,789.62	2,258.80
			<i>For Class 52 Rating, Deduct</i>	-2,130.39	
			<i>For Class 54 Rating, Add</i>	1,452.54	
			<i>For Class 55 Rating, Add</i>	3,228.51	
40 05 19 00-1569	EA		48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,378.44	2,261.44
			<i>For Class 52 Rating, Deduct</i>	-2,194.72	
			<i>For Class 54 Rating, Add</i>	1,496.40	
			<i>For Class 55 Rating, Add</i>	3,326.00	
40 05 19 00-1570	EA		48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,895.24	2,264.10
			<i>For Class 52 Rating, Deduct</i>	-2,251.13	
			<i>For Class 54 Rating, Add</i>	1,534.86	
			<i>For Class 55 Rating, Add</i>	3,411.48	
40 05 19 00-1571	EA		48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,560.06	2,266.74
			<i>For Class 52 Rating, Deduct</i>	-2,323.82	
			<i>For Class 54 Rating, Add</i>	1,584.42	
			<i>For Class 55 Rating, Add</i>	3,521.64	
40 05 19 00-1572	EA		48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,148.07	2,269.39
			<i>For Class 52 Rating, Deduct</i>	-2,388.06	
			<i>For Class 54 Rating, Add</i>	1,628.22	
			<i>For Class 55 Rating, Add</i>	3,618.99	
40 05 19 00-1573	EA		48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,741.69	2,272.04
			<i>For Class 52 Rating, Deduct</i>	-2,452.91	
			<i>For Class 54 Rating, Add</i>	1,672.44	
			<i>For Class 55 Rating, Add</i>	3,717.28	
40 05 19 00-1574	EA		48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,329.69	2,274.68
			<i>For Class 52 Rating, Deduct</i>	-2,517.15	
			<i>For Class 54 Rating, Add</i>	1,716.24	
			<i>For Class 55 Rating, Add</i>	3,814.63	
40 05 19 00-1575	EA		48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,917.71	2,277.34
			<i>For Class 52 Rating, Deduct</i>	-2,581.39	
			<i>For Class 54 Rating, Add</i>	1,760.04	
			<i>For Class 55 Rating, Add</i>	3,911.98	
40 05 19 00-1576	EA		48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,511.32	2,279.99
			<i>For Class 52 Rating, Deduct</i>	-2,646.25	
			<i>For Class 54 Rating, Add</i>	1,804.26	
			<i>For Class 55 Rating, Add</i>	4,010.27	
40 05 19 00-1577	EA		48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,099.33	2,282.64
			<i>For Class 52 Rating, Deduct</i>	-2,710.49	
			<i>For Class 54 Rating, Add</i>	1,848.06	
			<i>For Class 55 Rating, Add</i>	4,107.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1578	EA		48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,688.15	2,285.27
			<i>For Class 52 Rating, Deduct</i>	-2,774.82	
			<i>For Class 54 Rating, Add</i>	1,891.92	
			<i>For Class 55 Rating, Add</i>	4,205.11	
40 05 19 00-1579	EA		48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,280.95	2,287.92
			<i>For Class 52 Rating, Deduct</i>	-2,839.58	
			<i>For Class 54 Rating, Add</i>	1,936.08	
			<i>For Class 55 Rating, Add</i>	4,303.26	
40 05 19 00-1580			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1581	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	303.17	127.76
40 05 19 00-1582	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	417.14	163.38
40 05 19 00-1583	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	559.59	185.05
40 05 19 00-1584	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	798.67	234.61
40 05 19 00-1585	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	971.78	260.16
40 05 19 00-1586	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,188.20	282.62
40 05 19 00-1587	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,463.93	348.43
40 05 19 00-1588	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,899.11	418.11
40 05 19 00-1589	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,345.75	526.51
40 05 19 00-1590	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,455.34	596.21
40 05 19 00-1591	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,693.42	789.78
40 05 19 00-1592	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	7,946.21	894.30
40 05 19 00-1593	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	13,045.38	1,022.05
40 05 19 00-1594	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	17,310.92	1,254.34
40 05 19 00-1595			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1596	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	291.17	127.76
40 05 19 00-1597	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	397.94	163.38
40 05 19 00-1598	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	510.79	185.05
40 05 19 00-1599	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	728.27	234.61
40 05 19 00-1600	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	882.18	260.16
40 05 19 00-1601	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,005.80	282.62
40 05 19 00-1602	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,262.33	348.43
40 05 19 00-1603	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,627.91	418.11
40 05 19 00-1604	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,098.55	526.51
40 05 19 00-1605	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,709.74	596.21
40 05 19 00-1606	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	5,147.82	789.78
40 05 19 00-1607	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	7,547.81	894.30
40 05 19 00-1608	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	11,332.58	1,022.05
40 05 19 00-1609	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	15,373.32	1,254.34
40 05 19 00-1610			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1611	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	290.37	127.76
40 05 19 00-1612	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	391.54	163.38
40 05 19 00-1613	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	505.19	185.05
40 05 19 00-1614	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	712.27	234.61
40 05 19 00-1615	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	917.38	260.16
40 05 19 00-1616	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,117.00	282.62
40 05 19 00-1617	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,287.13	348.43
40 05 19 00-1618	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,658.31	418.11
40 05 19 00-1619	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,230.55	526.51
40 05 19 00-1620	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,010.54	596.21
40 05 19 00-1621	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,201.42	789.78
40 05 19 00-1622	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	7,671.01	894.30
40 05 19 00-1623	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	11,578.18	1,022.05
40 05 19 00-1624	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	15,693.32	1,254.34
40 05 19 00-1625			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1626	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	310.37	127.76
40 05 19 00-1627	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	429.14	163.38
40 05 19 00-1628	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	521.19	185.05
40 05 19 00-1629	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	769.07	234.61
40 05 19 00-1630	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,022.18	260.16
40 05 19 00-1631	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,144.20	282.62
40 05 19 00-1632	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,400.73	348.43
40 05 19 00-1633	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,658.31	418.11
40 05 19 00-1634	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,230.55	526.51
40 05 19 00-1635	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,118.54	596.21
40 05 19 00-1636	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,255.02	789.78
40 05 19 00-1637	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	7,723.81	894.30
40 05 19 00-1638	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	11,634.18	1,022.05
40 05 19 00-1639	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	15,806.12	1,254.34

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

		MINOR	TOTAL DIRECT	DEMOLITION
		CSI UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-1640 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows <small>(40 05 19 00-0001)</small>				
40 05 19 00-1641	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	389.36	145.56
40 05 19 00-1642	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	467.38	156.41
40 05 19 00-1643	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	525.56	174.21
40 05 19 00-1644	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	672.93	181.18
40 05 19 00-1645	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	715.10	198.99
40 05 19 00-1646	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	777.13	209.84
40 05 19 00-1647	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	723.26	194.35
40 05 19 00-1648	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	811.05	212.15
40 05 19 00-1649	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	920.27	222.99
40 05 19 00-1650	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	986.61	247.78
40 05 19 00-1651	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	920.27	222.99
40 05 19 00-1652	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,011.90	233.84
40 05 19 00-1653	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,126.24	258.61
40 05 19 00-1654	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,238.18	271.78
40 05 19 00-1655	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,060.53	255.90
40 05 19 00-1656	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,138.55	266.75
40 05 19 00-1657	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,298.50	291.52
40 05 19 00-1658	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,409.05	304.29
40 05 19 00-1659	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,502.87	315.52
40 05 19 00-1660	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,235.72	290.75
40 05 19 00-1661	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,451.35	301.59
40 05 19 00-1662	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,504.09	326.36
40 05 19 00-1663	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,585.05	339.14
40 05 19 00-1664	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,709.26	350.36
40 05 19 00-1665	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,864.72	383.27
40 05 19 00-1666	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,577.04	344.95
40 05 19 00-1667	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,675.87	355.78
40 05 19 00-1668	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,042.21	380.57
40 05 19 00-1669	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,118.37	393.34
40 05 19 00-1670	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,319.38	404.57
40 05 19 00-1671	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,293.24	437.48
40 05 19 00-1672	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,445.23	472.32
40 05 19 00-1673	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,156.24	379.79
40 05 19 00-1674	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,255.86	390.62
40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,424.60	415.41
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,543.16	428.18
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,757.77	439.41
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,971.63	472.32
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,057.22	507.16
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,196.72	501.55
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,758.60	524.96
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,987.62	536.20
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,474.28	569.10
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,167.07	603.94
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,950.79	658.15
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,283.58	692.99
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,091.39	577.24
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,500.40	588.46
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,370.26	621.36
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,920.65	656.20
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,669.18	710.41
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,253.97	745.25
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,767.01	842.04
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,789.19	652.34
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,492.65	685.24
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,971.84	720.08
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,851.56	774.29
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,677.95	809.13
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,197.41	905.91
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,209.39	958.18
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,610.20	934.95
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,810.44	1,031.74
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,257.63	1,084.00
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	19,369.62	1,147.88

40 05 19 00-1705 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows (40 05 19 00-0001)

40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	347.17	127.76
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	515.54	163.38
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	724.39	185.05
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,013.07	234.61
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,388.58	260.16
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,606.60	282.62
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,073.53	348.43
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,560.71	418.11
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,465.75	526.51
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,986.54	596.21
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,623.82	789.78
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	12,945.41	894.30
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	19,857.38	1,022.05

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

40 05 19 00-1719 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base (40 05 19 00-0001)

40 05 19 00-1720	EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	362.37	127.76
40 05 19 00-1721	EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	485.94	163.38
40 05 19 00-1722	EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	745.19	185.05
40 05 19 00-1723	EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	997.87	234.61
40 05 19 00-1724	EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,307.78	260.16
40 05 19 00-1725	EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,529.80	282.62
40 05 19 00-1726	EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,889.53	348.43
40 05 19 00-1727	EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,362.31	418.11
40 05 19 00-1728	EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,102.55	526.51
40 05 19 00-1729	EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,295.34	596.21
40 05 19 00-1730	EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	6,930.22	789.78
40 05 19 00-1731	EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,770.21	894.30
40 05 19 00-1732	EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	17,767.78	1,022.05
40 05 19 00-1733	EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	19,249.32	1,254.34

40 05 19 00-1734 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees (40 05 19 00-0001)

40 05 19 00-1735	EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	510.88	205.19
40 05 19 00-1736	EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	632.05	252.41
40 05 19 00-1737	EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	843.83	281.84
40 05 19 00-1738	EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,188.51	366.24
40 05 19 00-1739	EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,526.95	399.54
40 05 19 00-1740	EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,981.51	429.73
40 05 19 00-1741	EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,278.02	542.00
40 05 19 00-1742	EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,752.93	619.43
40 05 19 00-1743	EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,472.89	782.03
40 05 19 00-1744	EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,941.67	863.33
40 05 19 00-1745	EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	8,244.27	1,192.40
40 05 19 00-1746	EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	11,672.23	1,366.62
40 05 19 00-1747	EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	23,392.46	1,579.55

40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees (40 05 19 00-0001)

40 05 19 00-1749	EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	623.25	229.19
40 05 19 00-1750	EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	741.50	233.84
40 05 19 00-1751	EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	758.87	263.26
40 05 19 00-1752	EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	947.84	258.61
40 05 19 00-1753	EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	955.62	288.04
40 05 19 00-1754	EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,009.37	306.62
40 05 19 00-1755	EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,167.78	271.78
40 05 19 00-1756	EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,182.76	301.20
40 05 19 00-1757	EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,250.12	319.78
40 05 19 00-1758	EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,488.45	379.40
40 05 19 00-1759	EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,633.80	282.62
40 05 19 00-1760	EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,619.99	312.04
40 05 19 00-1761	EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,694.54	330.62
40 05 19 00-1762	EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,814.48	390.24
40 05 19 00-1763	EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,922.36	410.76
40 05 19 00-1764	EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,965.27	315.52
40 05 19 00-1765	EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,843.44	344.95
40 05 19 00-1766	EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,828.40	363.53
40 05 19 00-1767	EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,143.53	423.15
40 05 19 00-1768	EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,100.22	443.66
40 05 19 00-1769	EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,322.57	462.63
40 05 19 00-1770	EA 18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,382.06	350.36
40 05 19 00-1771	EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,865.04	379.79
40 05 19 00-1772	EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,210.79	398.37
40 05 19 00-1773	EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,253.93	457.99
40 05 19 00-1774	EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,441.01	478.51
40 05 19 00-1775	EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,649.76	497.48
40 05 19 00-1776	EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,862.01	576.84
40 05 19 00-1777	EA 20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,041.78	404.57
40 05 19 00-1778	EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,667.16	433.99
40 05 19 00-1779	EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,728.11	452.57
40 05 19 00-1780	EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,868.05	512.19
40 05 19 00-1781	EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,980.73	532.71
40 05 19 00-1782	EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,026.28	551.68
40 05 19 00-1783	EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,624.13	631.05
40 05 19 00-1784	EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,721.45	673.64
40 05 19 00-1785	EA 24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,448.97	439.41
40 05 19 00-1786	EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,032.75	468.83
40 05 19 00-1787	EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,168.90	487.42
40 05 19 00-1788	EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,319.24	547.03
40 05 19 00-1789	EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,692.73	567.55
40 05 19 00-1790	EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,787.07	586.52
40 05 19 00-1791	EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,950.52	665.89
40 05 19 00-1792	EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,091.04	708.48
40 05 19 00-1793	EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,280.66	757.07
40 05 19 00-1794	EA 30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,991.39	565.62
40 05 19 00-1795	EA 30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,036.36	584.20
40 05 19 00-1796	EA 30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,233.08	643.82
40 05 19 00-1797	EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,264.18	664.34

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,292.92	683.31
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,465.96	762.67
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,565.69	805.26
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,817.14	913.66
40 05 19 00-1802	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,599.53	960.12
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,282.54	809.52
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,835.23	824.23
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,916.77	866.43
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,994.79	883.08
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,035.27	898.18
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,155.53	954.31
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,231.79	993.03
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,425.37	1,074.33
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,646.16	1,114.97
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,522.65	1,279.51
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,361.13	700.34
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,062.65	759.97
40 05 19 00-1815	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,093.75	780.48
40 05 19 00-1816	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,140.89	799.45
40 05 19 00-1817	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,298.74	878.81
40 05 19 00-1818	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,457.67	921.40
40 05 19 00-1819	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,621.91	1,029.80
40 05 19 00-1820	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,842.70	1,076.26
40 05 19 00-1821	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,505.84	1,308.55
40 05 19 00-1822	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,338.62	1,430.49
40 05 19 00-1823	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,612.39	906.30
40 05 19 00-1824	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,641.13	925.27
40 05 19 00-1825	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,817.38	1,004.63
40 05 19 00-1826	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,881.91	1,047.22
40 05 19 00-1827	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,120.55	1,155.63
40 05 19 00-1828	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,322.94	1,202.08
40 05 19 00-1829	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,938.88	1,434.37

40 05 19 00-1830 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base (40 05 19 00-0001)

40 05 19 00-1831	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	541.28	205.19
40 05 19 00-1832	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	719.25	252.41
40 05 19 00-1833	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	994.23	281.84
40 05 19 00-1834	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,472.51	366.24
40 05 19 00-1835	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,920.55	399.54
40 05 19 00-1836	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,135.11	429.73
40 05 19 00-1837	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,655.62	542.00
40 05 19 00-1838	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	3,201.73	619.43
40 05 19 00-1839	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	4,247.29	782.03
40 05 19 00-1840	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	5,951.27	863.33
40 05 19 00-1841	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	9,816.27	1,192.40
40 05 19 00-1842	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	13,783.43	1,366.62

40 05 19 00-1843 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes (40 05 19 00-0001)

40 05 19 00-1844	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	464.48	205.19
40 05 19 00-1845	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	628.05	252.41
40 05 19 00-1846	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	855.83	281.84
40 05 19 00-1847	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,122.11	366.24
40 05 19 00-1848	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,522.95	399.54
40 05 19 00-1849	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,920.71	429.73

40 05 19 00-1850 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses (40 05 19 00-0001)

40 05 19 00-1851	EA	4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	638.60	282.62
40 05 19 00-1852	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	800.79	306.24
40 05 19 00-1853	EA	6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	858.96	341.46
40 05 19 00-1854	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	946.01	311.26
40 05 19 00-1855	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,039.39	352.30
40 05 19 00-1856	EA	8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,084.88	378.62
40 05 19 00-1857	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,181.96	336.04
40 05 19 00-1858	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,305.73	377.08
40 05 19 00-1859	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,422.41	403.41
40 05 19 00-1860	EA	10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,763.94	497.87
40 05 19 00-1861	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,476.51	348.81
40 05 19 00-1862	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,569.08	389.85
40 05 19 00-1863	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,686.58	416.18
40 05 19 00-1864	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,043.30	510.64
40 05 19 00-1865	EA	12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,960.52	538.90
40 05 19 00-1866	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,830.90	401.09
40 05 19 00-1867	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,947.58	427.41
40 05 19 00-1868	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,197.91	521.87
40 05 19 00-1869	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,379.13	550.13
40 05 19 00-1870	EA	14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,495.61	576.84
40 05 19 00-1871	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,156.76	433.99
40 05 19 00-1872	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,287.84	460.32
40 05 19 00-1873	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,538.17	554.78
40 05 19 00-1874	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,734.59	583.04

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1875	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,686.27	609.75
40 05 19 00-1876	EA	16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,148.90	735.57
40 05 19 00-1877	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,255.95	468.83
40 05 19 00-1878	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,386.23	495.16
40 05 19 00-1879	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,606.16	589.62
40 05 19 00-1880	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,801.78	617.88
40 05 19 00-1881	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,178.26	644.60
40 05 19 00-1882	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,507.29	770.42
40 05 19 00-1883	EA	18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,675.55	820.75
40 05 19 00-1884	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,884.47	523.03
40 05 19 00-1885	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,022.76	549.35
40 05 19 00-1886	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,231.48	643.82
40 05 19 00-1887	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,439.11	672.09
40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,512.38	698.79
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,263.01	824.62
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,437.67	874.94
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,915.24	1,037.54
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,727.66	557.87
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,832.36	584.20
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,090.67	678.66
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,232.70	706.93
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,322.77	733.63
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,628.61	859.46
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,874.47	909.78
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,243.01	1,012.58
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,883.22	1,130.46
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,740.15	803.71
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,798.21	830.42
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,112.06	956.24
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,223.52	1,006.58
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,664.28	1,169.18
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,781.06	1,227.24
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,236.72	1,595.04
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,451.56	1,022.45
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,486.17	1,045.29
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,748.82	1,147.88
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,853.60	1,194.34
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,218.11	1,329.84
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,579.69	1,382.10
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	14,191.10	1,682.14
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	15,557.46	1,838.93
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,587.32	919.85
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,627.80	946.57
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,931.23	1,072.39
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	14,025.89	1,122.72
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	14,441.85	1,285.32
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	14,812.24	1,343.39
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	19,056.69	1,711.18
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	26,046.25	1,902.81
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	19,758.73	2,137.04
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,126.43	1,072.39
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,430.67	1,198.21
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,525.32	1,248.54
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,922.09	1,411.14
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	19,292.47	1,469.21
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	20,357.73	1,837.00

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-0001)

40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	337.36	145.56
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	412.18	156.41
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	455.16	174.21
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	536.13	181.18
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	551.10	198.99
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	629.93	209.84
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	661.66	194.35
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	691.05	212.15
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	751.47	222.99
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	843.41	247.78
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	977.45	212.15
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	812.27	222.99
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	890.30	233.84
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	979.84	258.61
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	965.38	271.78
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,148.74	238.09
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	970.13	255.90
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	932.15	266.75
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,035.30	291.52
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,247.45	304.29
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,334.87	315.52
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,446.92	290.75
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,191.35	301.59
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,305.69	326.36
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,306.65	339.14

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1957 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,478.86	350.36
40 05 19 00-1958 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,497.52	383.27
40 05 19 00-1959 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,510.64	344.95
40 05 19 00-1960 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,478.27	355.78
40 05 19 00-1961 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,598.21	380.57
40 05 19 00-1962 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,571.97	393.34
40 05 19 00-1963 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,783.38	404.57
40 05 19 00-1964 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,710.04	437.48
40 05 19 00-1965 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,066.83	472.32
40 05 19 00-1966 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,942.26	390.62
40 05 19 00-1967 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,177.40	415.41
40 05 19 00-1968 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,330.36	428.18
40 05 19 00-1969 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,392.17	439.41
40 05 19 00-1970 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,169.23	472.32
40 05 19 00-1971 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,579.62	507.16
40 05 19 00-1972 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,703.12	501.55
40 05 19 00-1973 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,614.28	569.10
40 05 19 00-1974 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,773.47	603.94
40 05 19 00-1975 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,067.59	658.15
40 05 19 00-1976 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,473.18	692.99
40 05 19 00-1977 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,840.66	621.36
40 05 19 00-1978 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,087.05	656.20
40 05 19 00-1979 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,416.38	710.41
40 05 19 00-1980 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,875.57	745.25
40 05 19 00-1981 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,763.01	842.04
40 05 19 00-1982 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,075.55	809.13
40 05 19 00-1983 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,124.61	905.91
40 05 19 00-1984 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,276.59	958.18
40 05 19 00-1985 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,203.80	934.95
40 05 19 00-1986 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,441.64	1,031.74
40 05 19 00-1987 EA 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,744.03	1,084.00
40 05 19 00-1988 EA 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,233.62	1,147.88

40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-0001)

40 05 19 00-1990 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	358.96	145.56
40 05 19 00-1991 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	436.98	156.41
40 05 19 00-1992 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	494.36	174.21
40 05 19 00-1993 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	536.13	181.18
40 05 19 00-1994 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	577.50	198.99
40 05 19 00-1995 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	654.73	209.84
40 05 19 00-1996 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	661.66	194.35
40 05 19 00-1997 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	719.85	212.15
40 05 19 00-1998 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	781.87	222.99
40 05 19 00-1999 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	896.21	247.78
40 05 19 00-2000 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	812.27	222.99
40 05 19 00-2001 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	875.10	233.84
40 05 19 00-2002 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	974.24	258.61
40 05 19 00-2003 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,100.58	271.78
40 05 19 00-2004 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	970.13	255.90
40 05 19 00-2005 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,046.55	266.75
40 05 19 00-2006 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,160.90	291.52
40 05 19 00-2007 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,272.25	304.29
40 05 19 00-2008 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,334.87	315.52
40 05 19 00-2009 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,191.35	301.59
40 05 19 00-2010 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,305.69	326.36
40 05 19 00-2011 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,417.05	339.14
40 05 19 00-2012 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,478.86	350.36
40 05 19 00-2013 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,620.72	383.27
40 05 19 00-2014 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,681.84	344.95
40 05 19 00-2015 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,560.67	355.78
40 05 19 00-2016 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,598.21	380.57
40 05 19 00-2017 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,732.77	393.34
40 05 19 00-2018 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,783.38	404.57
40 05 19 00-2019 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,946.84	437.48
40 05 19 00-2020 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,066.03	472.32
40 05 19 00-2021 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,107.06	390.62
40 05 19 00-2022 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,177.40	415.41
40 05 19 00-2023 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,229.56	428.18
40 05 19 00-2024 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,279.37	439.41
40 05 19 00-2025 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,445.23	472.32
40 05 19 00-2026 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,579.62	507.16
40 05 19 00-2027 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,703.12	501.55
40 05 19 00-2028 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,235.62	536.20
40 05 19 00-2029 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,161.48	569.10
40 05 19 00-2030 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,791.07	603.94
40 05 19 00-2031 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,067.59	658.15
40 05 19 00-2032 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,473.18	692.99
40 05 19 00-2033 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,875.86	621.36
40 05 19 00-2034 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,087.05	656.20
40 05 19 00-2035 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,398.78	710.41
40 05 19 00-2036 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,856.37	745.25
40 05 19 00-2037 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,745.41	842.04
40 05 19 00-2038 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,075.55	809.13

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

40 05 19 00-2039	EA	42" x 30"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,964.61	905.91
40 05 19 00-2040	EA	42" x 36"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	10,276.59	958.18
40 05 19 00-2041	EA	48" x 30"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	11,441.64	1,031.74
40 05 19 00-2042	EA	48" x 36"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	12,744.03	1,084.00
40 05 19 00-2043	EA	48" x 42"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	14,233.62	1,147.88

40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges ^(40 05 19 00-0001)

40 05 19 00-2045	EA	4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	126.65	50.33
40 05 19 00-2046	EA	6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	189.42	74.33
40 05 19 00-2047	EA	8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	262.54	88.27
40 05 19 00-2048	EA	10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	349.63	102.98
40 05 19 00-2049	EA	12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	443.81	120.79
40 05 19 00-2050	EA	14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	571.70	135.50
40 05 19 00-2051	EA	16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	678.63	154.86
40 05 19 00-2052	EA	18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	923.68	216.80
40 05 19 00-2053	EA	20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,216.20	271.00
40 05 19 00-2054	EA	24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,697.00	329.07
40 05 19 00-2055	EA	30"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	2,342.32	383.27
40 05 19 00-2056	EA	36"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	4,020.18	421.99
40 05 19 00-2057	EA	42"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	5,587.10	464.57
40 05 19 00-2058	EA	48"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	7,327.09	522.64

40 05 19 00-2059 Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping ^(40 05 19)

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4062 for bolts, 40 05 19 00-4077 for gaskets.

40 05 19 00-2060 Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-2059)

40 05 19 00-2061 4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-2060)

40 05 19 00-2062	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		611.96	221.44
		<i>For Class 52 Rating, Deduct</i>		-30.41	
		<i>For Class 54 Rating, Add</i>		20.73	
		<i>For Class 55 Rating, Add</i>		46.08	
40 05 19 00-2063	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		657.17	225.32
		<i>For Class 52 Rating, Deduct</i>		-34.74	
		<i>For Class 54 Rating, Add</i>		23.68	
		<i>For Class 55 Rating, Add</i>		52.64	
40 05 19 00-2064	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		702.38	229.19
		<i>For Class 52 Rating, Deduct</i>		-39.06	
		<i>For Class 54 Rating, Add</i>		26.63	
		<i>For Class 55 Rating, Add</i>		59.20	
40 05 19 00-2065	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		747.59	233.06
		<i>For Class 52 Rating, Deduct</i>		-43.39	
		<i>For Class 54 Rating, Add</i>		29.59	
		<i>For Class 55 Rating, Add</i>		65.76	
40 05 19 00-2066	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		792.81	236.93
		<i>For Class 52 Rating, Deduct</i>		-47.72	
		<i>For Class 54 Rating, Add</i>		32.54	
		<i>For Class 55 Rating, Add</i>		72.32	
40 05 19 00-2067	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		838.01	240.81
		<i>For Class 52 Rating, Deduct</i>		-52.05	
		<i>For Class 54 Rating, Add</i>		35.49	
		<i>For Class 55 Rating, Add</i>		78.88	
40 05 19 00-2068	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		883.22	244.68
		<i>For Class 52 Rating, Deduct</i>		-56.38	
		<i>For Class 54 Rating, Add</i>		38.44	
		<i>For Class 55 Rating, Add</i>		85.43	
40 05 19 00-2069	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		928.43	248.55
		<i>For Class 52 Rating, Deduct</i>		-60.70	
		<i>For Class 54 Rating, Add</i>		41.39	
		<i>For Class 55 Rating, Add</i>		91.99	
40 05 19 00-2070	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		973.64	252.41
		<i>For Class 52 Rating, Deduct</i>		-65.03	
		<i>For Class 54 Rating, Add</i>		44.34	
		<i>For Class 55 Rating, Add</i>		98.55	
40 05 19 00-2071	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		1,018.84	256.29
		<i>For Class 52 Rating, Deduct</i>		-69.36	
		<i>For Class 54 Rating, Add</i>		47.29	
		<i>For Class 55 Rating, Add</i>		105.11	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2072	EA		4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,064.06	260.16
			For Class 52 Rating, Deduct	-73.69	
			For Class 54 Rating, Add	50.24	
			For Class 55 Rating, Add	111.67	
40 05 19 00-2073	EA		4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,109.27	264.03
			For Class 52 Rating, Deduct	-78.01	
			For Class 54 Rating, Add	53.19	
			For Class 55 Rating, Add	118.23	
40 05 19 00-2074	EA		4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,154.48	267.90
			For Class 52 Rating, Deduct	-82.34	
			For Class 54 Rating, Add	56.14	
			For Class 55 Rating, Add	124.79	
40 05 19 00-2075	EA		4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,199.69	271.78
			For Class 52 Rating, Deduct	-86.67	
			For Class 54 Rating, Add	59.09	
			For Class 55 Rating, Add	131.34	
40 05 19 00-2076	EA		4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,244.89	275.65
			For Class 52 Rating, Deduct	-91.00	
			For Class 54 Rating, Add	62.04	
			For Class 55 Rating, Add	137.90	
40 05 19 00-2077	EA		4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,290.11	279.52
			For Class 52 Rating, Deduct	-95.33	
			For Class 54 Rating, Add	65.00	
			For Class 55 Rating, Add	144.46	
40 05 19 00-2078	EA		4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,335.31	283.39
			For Class 52 Rating, Deduct	-99.65	
			For Class 54 Rating, Add	67.95	
			For Class 55 Rating, Add	151.02	
40 05 19 00-2079	EA		4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,380.52	287.27
			For Class 52 Rating, Deduct	-103.98	
			For Class 54 Rating, Add	70.90	
			For Class 55 Rating, Add	157.58	
40 05 19 00-2080	EA		4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,425.74	291.13
			For Class 52 Rating, Deduct	-108.31	
			For Class 54 Rating, Add	73.85	
			For Class 55 Rating, Add	164.14	
40 05 19 00-2081	EA		4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,470.94	295.00
			For Class 52 Rating, Deduct	-112.64	
			For Class 54 Rating, Add	76.80	
			For Class 55 Rating, Add	170.70	
40 05 19 00-2082	EA		4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,516.15	298.87
			For Class 52 Rating, Deduct	-116.96	
			For Class 54 Rating, Add	79.75	
			For Class 55 Rating, Add	177.25	
40 05 19 00-2083	EA		4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,561.36	302.75
			For Class 52 Rating, Deduct	-121.29	
			For Class 54 Rating, Add	82.70	
			For Class 55 Rating, Add	183.81	
40 05 19 00-2084	EA		4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,606.57	306.62
			For Class 52 Rating, Deduct	-125.62	
			For Class 54 Rating, Add	85.65	
			For Class 55 Rating, Add	190.37	
40 05 19 00-2085	EA		4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,651.79	310.49
			For Class 52 Rating, Deduct	-129.95	
			For Class 54 Rating, Add	88.60	
			For Class 55 Rating, Add	196.93	
40 05 19 00-2086	EA		4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,696.99	314.36
			For Class 52 Rating, Deduct	-134.28	
			For Class 54 Rating, Add	91.55	
			For Class 55 Rating, Add	203.49	
40 05 19 00-2087	EA		4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,742.20	318.23
			For Class 52 Rating, Deduct	-138.60	
			For Class 54 Rating, Add	94.50	
			For Class 55 Rating, Add	210.05	
40 05 19 00-2088	EA		4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,787.41	322.11
			For Class 52 Rating, Deduct	-142.93	
			For Class 54 Rating, Add	97.45	
			For Class 55 Rating, Add	216.61	
40 05 19 00-2089	EA		4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,832.62	325.98
			For Class 52 Rating, Deduct	-147.26	
			For Class 54 Rating, Add	100.40	
			For Class 55 Rating, Add	223.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2090	EA		4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	1,877.82	329.84
			For Class 52 Rating, Deduct	-151.59	
			For Class 54 Rating, Add	103.35	
			For Class 55 Rating, Add	229.72	
40 05 19 00-2091	EA		4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	1,923.04	333.71
			For Class 52 Rating, Deduct	-155.92	
			For Class 54 Rating, Add	106.31	
			For Class 55 Rating, Add	236.28	
40 05 19 00-2092	EA		4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	1,968.25	337.59
			For Class 52 Rating, Deduct	-160.24	
			For Class 54 Rating, Add	109.26	
			For Class 55 Rating, Add	242.84	
40 05 19 00-2093	EA		4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,013.46	341.46
			For Class 52 Rating, Deduct	-164.57	
			For Class 54 Rating, Add	112.21	
			For Class 55 Rating, Add	249.40	
40 05 19 00-2094	EA		4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,058.67	345.33
			For Class 52 Rating, Deduct	-168.90	
			For Class 54 Rating, Add	115.16	
			For Class 55 Rating, Add	255.96	
40 05 19 00-2095	EA		4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,103.87	349.20
			For Class 52 Rating, Deduct	-173.23	
			For Class 54 Rating, Add	118.11	
			For Class 55 Rating, Add	262.52	
40 05 19 00-2096	EA		4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,149.09	353.08
			For Class 52 Rating, Deduct	-177.55	
			For Class 54 Rating, Add	121.06	
			For Class 55 Rating, Add	269.08	
40 05 19 00-2097	EA		4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,194.29	356.95
			For Class 52 Rating, Deduct	-181.88	
			For Class 54 Rating, Add	124.01	
			For Class 55 Rating, Add	275.63	
40 05 19 00-2098	EA		4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,239.50	360.82
			For Class 52 Rating, Deduct	-186.21	
			For Class 54 Rating, Add	126.96	
			For Class 55 Rating, Add	282.19	
40 05 19 00-2099	EA		4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,284.72	364.69
			For Class 52 Rating, Deduct	-190.54	
			For Class 54 Rating, Add	129.91	
			For Class 55 Rating, Add	288.75	
40 05 19 00-2100	EA		4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,329.92	368.56
			For Class 52 Rating, Deduct	-194.87	
			For Class 54 Rating, Add	132.86	
			For Class 55 Rating, Add	295.31	
40 05 19 00-2101			6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2102	EA		6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	767.10	278.75
			For Class 52 Rating, Deduct	-37.92	
			For Class 54 Rating, Add	25.86	
			For Class 55 Rating, Add	57.47	
40 05 19 00-2103	EA		6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	818.53	282.62
			For Class 52 Rating, Deduct	-42.94	
			For Class 54 Rating, Add	29.27	
			For Class 55 Rating, Add	65.07	
40 05 19 00-2104	EA		6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	869.96	286.49
			For Class 52 Rating, Deduct	-47.95	
			For Class 54 Rating, Add	32.69	
			For Class 55 Rating, Add	72.66	
40 05 19 00-2105	EA		6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	921.37	290.35
			For Class 52 Rating, Deduct	-52.96	
			For Class 54 Rating, Add	36.11	
			For Class 55 Rating, Add	80.26	
40 05 19 00-2106	EA		6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	972.80	294.23
			For Class 52 Rating, Deduct	-57.97	
			For Class 54 Rating, Add	39.53	
			For Class 55 Rating, Add	87.85	
40 05 19 00-2107	EA		6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	1,024.21	298.10
			For Class 52 Rating, Deduct	-62.98	
			For Class 54 Rating, Add	42.94	
			For Class 55 Rating, Add	95.44	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2108	EA		6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,075.65	301.97
			For Class 52 Rating, Deduct	-67.99	
			For Class 54 Rating, Add	46.36	
			For Class 55 Rating, Add	103.04	
40 05 19 00-2109	EA		6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,127.07	305.84
			For Class 52 Rating, Deduct	-73.00	
			For Class 54 Rating, Add	49.78	
			For Class 55 Rating, Add	110.63	
40 05 19 00-2110	EA		6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,178.49	309.72
			For Class 52 Rating, Deduct	-78.01	
			For Class 54 Rating, Add	53.19	
			For Class 55 Rating, Add	118.23	
40 05 19 00-2111	EA		6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,229.92	313.59
			For Class 52 Rating, Deduct	-83.03	
			For Class 54 Rating, Add	56.61	
			For Class 55 Rating, Add	125.82	
40 05 19 00-2112	EA		6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,281.33	317.46
			For Class 52 Rating, Deduct	-88.04	
			For Class 54 Rating, Add	60.02	
			For Class 55 Rating, Add	133.42	
40 05 19 00-2113	EA		6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,332.76	321.33
			For Class 52 Rating, Deduct	-93.05	
			For Class 54 Rating, Add	63.44	
			For Class 55 Rating, Add	141.01	
40 05 19 00-2114	EA		6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,384.17	325.21
			For Class 52 Rating, Deduct	-98.06	
			For Class 54 Rating, Add	66.86	
			For Class 55 Rating, Add	148.60	
40 05 19 00-2115	EA		6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,435.60	329.07
			For Class 52 Rating, Deduct	-103.07	
			For Class 54 Rating, Add	70.28	
			For Class 55 Rating, Add	156.20	
40 05 19 00-2116	EA		6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,487.02	332.94
			For Class 52 Rating, Deduct	-108.08	
			For Class 54 Rating, Add	73.69	
			For Class 55 Rating, Add	163.79	
40 05 19 00-2117	EA		6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,538.44	336.81
			For Class 52 Rating, Deduct	-113.09	
			For Class 54 Rating, Add	77.11	
			For Class 55 Rating, Add	171.39	
40 05 19 00-2118	EA		6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,589.87	340.69
			For Class 52 Rating, Deduct	-118.10	
			For Class 54 Rating, Add	80.53	
			For Class 55 Rating, Add	178.98	
40 05 19 00-2119	EA		6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,641.28	344.56
			For Class 52 Rating, Deduct	-123.11	
			For Class 54 Rating, Add	83.94	
			For Class 55 Rating, Add	186.57	
40 05 19 00-2120	EA		6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,692.71	348.43
			For Class 52 Rating, Deduct	-128.13	
			For Class 54 Rating, Add	87.36	
			For Class 55 Rating, Add	194.17	
40 05 19 00-2121	EA		6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,744.13	352.30
			For Class 52 Rating, Deduct	-133.14	
			For Class 54 Rating, Add	90.78	
			For Class 55 Rating, Add	201.76	
40 05 19 00-2122	EA		6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,795.55	356.17
			For Class 52 Rating, Deduct	-138.15	
			For Class 54 Rating, Add	94.19	
			For Class 55 Rating, Add	209.36	
40 05 19 00-2123	EA		6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,846.97	360.05
			For Class 52 Rating, Deduct	-143.16	
			For Class 54 Rating, Add	97.61	
			For Class 55 Rating, Add	216.95	
40 05 19 00-2124	EA		6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,898.39	363.92
			For Class 52 Rating, Deduct	-148.17	
			For Class 54 Rating, Add	101.03	
			For Class 55 Rating, Add	224.54	
40 05 19 00-2125	EA		6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,949.82	367.78
			For Class 52 Rating, Deduct	-153.18	
			For Class 54 Rating, Add	104.44	
			For Class 55 Rating, Add	232.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2126	EA		6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,001.24	371.65
			For Class 52 Rating, Deduct	-158.19	
			For Class 54 Rating, Add	107.86	
			For Class 55 Rating, Add	239.73	
40 05 19 00-2127	EA		6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,052.66	375.53
			For Class 52 Rating, Deduct	-163.20	
			For Class 54 Rating, Add	111.28	
			For Class 55 Rating, Add	247.33	
40 05 19 00-2128	EA		6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,104.08	379.40
			For Class 52 Rating, Deduct	-168.22	
			For Class 54 Rating, Add	114.69	
			For Class 55 Rating, Add	254.92	
40 05 19 00-2129	EA		6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,155.50	383.27
			For Class 52 Rating, Deduct	-173.23	
			For Class 54 Rating, Add	118.11	
			For Class 55 Rating, Add	262.52	
40 05 19 00-2130	EA		6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,206.93	387.14
			For Class 52 Rating, Deduct	-178.24	
			For Class 54 Rating, Add	121.53	
			For Class 55 Rating, Add	270.11	
40 05 19 00-2131	EA		6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,258.34	391.02
			For Class 52 Rating, Deduct	-183.25	
			For Class 54 Rating, Add	124.94	
			For Class 55 Rating, Add	277.70	
40 05 19 00-2132	EA		6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,309.77	394.89
			For Class 52 Rating, Deduct	-188.26	
			For Class 54 Rating, Add	128.36	
			For Class 55 Rating, Add	285.30	
40 05 19 00-2133	EA		6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,361.19	398.76
			For Class 52 Rating, Deduct	-193.27	
			For Class 54 Rating, Add	131.78	
			For Class 55 Rating, Add	292.89	
40 05 19 00-2134	EA		6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,412.61	402.63
			For Class 52 Rating, Deduct	-198.28	
			For Class 54 Rating, Add	135.19	
			For Class 55 Rating, Add	300.49	
40 05 19 00-2135	EA		6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,464.03	406.50
			For Class 52 Rating, Deduct	-203.29	
			For Class 54 Rating, Add	138.61	
			For Class 55 Rating, Add	308.08	
40 05 19 00-2136	EA		6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,515.45	410.37
			For Class 52 Rating, Deduct	-208.30	
			For Class 54 Rating, Add	142.03	
			For Class 55 Rating, Add	315.67	
40 05 19 00-2137	EA		6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,566.88	414.24
			For Class 52 Rating, Deduct	-213.32	
			For Class 54 Rating, Add	145.44	
			For Class 55 Rating, Add	323.27	
40 05 19 00-2138	EA		6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,618.30	418.11
			For Class 52 Rating, Deduct	-218.33	
			For Class 54 Rating, Add	148.86	
			For Class 55 Rating, Add	330.86	
40 05 19 00-2139	EA		6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,669.72	421.99
			For Class 52 Rating, Deduct	-223.34	
			For Class 54 Rating, Add	152.28	
			For Class 55 Rating, Add	338.46	
40 05 19 00-2140	EA		6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,721.14	425.86
			For Class 52 Rating, Deduct	-228.35	
			For Class 54 Rating, Add	155.69	
			For Class 55 Rating, Add	346.05	
40 05 19 00-2141			8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2142	EA		8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	1,037.67	356.17
			For Class 52 Rating, Deduct	-54.78	
			For Class 54 Rating, Add	37.35	
			For Class 55 Rating, Add	83.02	
40 05 19 00-2143	EA		8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	1,102.54	360.05
			For Class 52 Rating, Deduct	-61.27	
			For Class 54 Rating, Add	41.78	
			For Class 55 Rating, Add	92.86	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2144	EA		8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,167.43	363.92
			For Class 52 Rating, Deduct	-67.76	
			For Class 54 Rating, Add	46.20	
			For Class 55 Rating, Add	102.69	
40 05 19 00-2145	EA		8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,232.31	367.78
			For Class 52 Rating, Deduct	-74.26	
			For Class 54 Rating, Add	50.63	
			For Class 55 Rating, Add	112.53	
40 05 19 00-2146	EA		8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,297.19	371.65
			For Class 52 Rating, Deduct	-80.75	
			For Class 54 Rating, Add	55.06	
			For Class 55 Rating, Add	122.37	
40 05 19 00-2147	EA		8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,362.08	375.53
			For Class 52 Rating, Deduct	-87.24	
			For Class 54 Rating, Add	59.48	
			For Class 55 Rating, Add	132.21	
40 05 19 00-2148	EA		8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,426.95	379.40
			For Class 52 Rating, Deduct	-93.73	
			For Class 54 Rating, Add	63.91	
			For Class 55 Rating, Add	142.05	
40 05 19 00-2149	EA		8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,491.84	383.27
			For Class 52 Rating, Deduct	-100.22	
			For Class 54 Rating, Add	68.33	
			For Class 55 Rating, Add	151.88	
40 05 19 00-2150	EA		8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,556.72	387.14
			For Class 52 Rating, Deduct	-106.71	
			For Class 54 Rating, Add	72.76	
			For Class 55 Rating, Add	161.72	
40 05 19 00-2151	EA		8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,621.60	391.02
			For Class 52 Rating, Deduct	-113.21	
			For Class 54 Rating, Add	77.19	
			For Class 55 Rating, Add	171.56	
40 05 19 00-2152	EA		8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,686.48	394.89
			For Class 52 Rating, Deduct	-119.70	
			For Class 54 Rating, Add	81.61	
			For Class 55 Rating, Add	181.40	
40 05 19 00-2153	EA		8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,751.36	398.76
			For Class 52 Rating, Deduct	-126.19	
			For Class 54 Rating, Add	86.04	
			For Class 55 Rating, Add	191.23	
40 05 19 00-2154	EA		8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,816.24	402.63
			For Class 52 Rating, Deduct	-132.68	
			For Class 54 Rating, Add	90.46	
			For Class 55 Rating, Add	201.07	
40 05 19 00-2155	EA		8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,881.12	406.50
			For Class 52 Rating, Deduct	-139.17	
			For Class 54 Rating, Add	94.89	
			For Class 55 Rating, Add	210.91	
40 05 19 00-2156	EA		8" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,946.01	410.37
			For Class 52 Rating, Deduct	-145.67	
			For Class 54 Rating, Add	99.32	
			For Class 55 Rating, Add	220.75	
40 05 19 00-2157	EA		8" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,010.89	414.24
			For Class 52 Rating, Deduct	-152.16	
			For Class 54 Rating, Add	103.74	
			For Class 55 Rating, Add	230.59	
40 05 19 00-2158	EA		8" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,075.77	418.11
			For Class 52 Rating, Deduct	-158.65	
			For Class 54 Rating, Add	108.17	
			For Class 55 Rating, Add	240.42	
40 05 19 00-2159	EA		8" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,140.65	421.99
			For Class 52 Rating, Deduct	-165.14	
			For Class 54 Rating, Add	112.60	
			For Class 55 Rating, Add	250.26	
40 05 19 00-2160	EA		8" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,205.53	425.86
			For Class 52 Rating, Deduct	-171.63	
			For Class 54 Rating, Add	117.02	
			For Class 55 Rating, Add	260.10	
40 05 19 00-2161	EA		8" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,270.41	429.73
			For Class 52 Rating, Deduct	-178.12	
			For Class 54 Rating, Add	121.45	
			For Class 55 Rating, Add	269.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2162	EA		8" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,335.29	433.60
			For Class 52 Rating, Deduct	-184.62	
			For Class 54 Rating, Add	125.87	
			For Class 55 Rating, Add	279.78	
40 05 19 00-2163	EA		8" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,400.17	437.48
			For Class 52 Rating, Deduct	-191.11	
			For Class 54 Rating, Add	130.30	
			For Class 55 Rating, Add	289.61	
40 05 19 00-2164	EA		8" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,465.06	441.35
			For Class 52 Rating, Deduct	-197.60	
			For Class 54 Rating, Add	134.73	
			For Class 55 Rating, Add	299.45	
40 05 19 00-2165	EA		8" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,529.94	445.21
			For Class 52 Rating, Deduct	-204.09	
			For Class 54 Rating, Add	139.15	
			For Class 55 Rating, Add	309.29	
40 05 19 00-2166	EA		8" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,594.82	449.08
			For Class 52 Rating, Deduct	-210.58	
			For Class 54 Rating, Add	143.58	
			For Class 55 Rating, Add	319.13	
40 05 19 00-2167	EA		8" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,659.70	452.96
			For Class 52 Rating, Deduct	-217.07	
			For Class 54 Rating, Add	148.01	
			For Class 55 Rating, Add	328.97	
40 05 19 00-2168	EA		8" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,724.58	456.83
			For Class 52 Rating, Deduct	-223.57	
			For Class 54 Rating, Add	152.43	
			For Class 55 Rating, Add	338.80	
40 05 19 00-2169	EA		8" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,789.46	460.70
			For Class 52 Rating, Deduct	-230.06	
			For Class 54 Rating, Add	156.86	
			For Class 55 Rating, Add	348.64	
40 05 19 00-2170	EA		8" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,854.34	464.57
			For Class 52 Rating, Deduct	-236.55	
			For Class 54 Rating, Add	161.28	
			For Class 55 Rating, Add	358.48	
40 05 19 00-2171	EA		8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,919.23	468.45
			For Class 52 Rating, Deduct	-243.04	
			For Class 54 Rating, Add	165.71	
			For Class 55 Rating, Add	368.32	
40 05 19 00-2172	EA		8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,984.10	472.32
			For Class 52 Rating, Deduct	-249.53	
			For Class 54 Rating, Add	170.14	
			For Class 55 Rating, Add	378.15	
40 05 19 00-2173	EA		8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,048.99	476.19
			For Class 52 Rating, Deduct	-256.02	
			For Class 54 Rating, Add	174.56	
			For Class 55 Rating, Add	387.99	
40 05 19 00-2174	EA		8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,113.86	480.06
			For Class 52 Rating, Deduct	-262.52	
			For Class 54 Rating, Add	178.99	
			For Class 55 Rating, Add	397.83	
40 05 19 00-2175	EA		8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,178.75	483.93
			For Class 52 Rating, Deduct	-269.01	
			For Class 54 Rating, Add	183.41	
			For Class 55 Rating, Add	407.67	
40 05 19 00-2176	EA		8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,243.63	487.80
			For Class 52 Rating, Deduct	-275.50	
			For Class 54 Rating, Add	187.84	
			For Class 55 Rating, Add	417.51	
40 05 19 00-2177	EA		8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,308.51	491.67
			For Class 52 Rating, Deduct	-281.99	
			For Class 54 Rating, Add	192.27	
			For Class 55 Rating, Add	427.34	
40 05 19 00-2178	EA		8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,373.40	495.54
			For Class 52 Rating, Deduct	-288.48	
			For Class 54 Rating, Add	196.69	
			For Class 55 Rating, Add	437.18	
40 05 19 00-2179	EA		8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,438.27	499.42
			For Class 52 Rating, Deduct	-294.97	
			For Class 54 Rating, Add	201.12	
			For Class 55 Rating, Add	447.02	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2180	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,503.16	503.29
		<i>For Class 52 Rating, Deduct</i>	-301.47	
		<i>For Class 54 Rating, Add</i>	205.55	
		<i>For Class 55 Rating, Add</i>	456.86	

40 05 19 00-2181 10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2060)

40 05 19 00-2182	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,294.75	433.60
		<i>For Class 52 Rating, Deduct</i>	-70.16	
		<i>For Class 54 Rating, Add</i>	47.83	
		<i>For Class 55 Rating, Add</i>	106.32	
40 05 19 00-2183	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,377.24	437.48
		<i>For Class 52 Rating, Deduct</i>	-78.58	
		<i>For Class 54 Rating, Add</i>	53.58	
		<i>For Class 55 Rating, Add</i>	119.09	
40 05 19 00-2184	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,459.73	441.35
		<i>For Class 52 Rating, Deduct</i>	-87.01	
		<i>For Class 54 Rating, Add</i>	59.33	
		<i>For Class 55 Rating, Add</i>	131.86	
40 05 19 00-2185	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,542.20	445.21
		<i>For Class 52 Rating, Deduct</i>	-95.44	
		<i>For Class 54 Rating, Add</i>	65.07	
		<i>For Class 55 Rating, Add</i>	144.63	
40 05 19 00-2186	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,624.69	449.08
		<i>For Class 52 Rating, Deduct</i>	-103.87	
		<i>For Class 54 Rating, Add</i>	70.82	
		<i>For Class 55 Rating, Add</i>	157.41	
40 05 19 00-2187	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,707.16	452.96
		<i>For Class 52 Rating, Deduct</i>	-112.29	
		<i>For Class 54 Rating, Add</i>	76.56	
		<i>For Class 55 Rating, Add</i>	170.18	
40 05 19 00-2188	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,789.65	456.83
		<i>For Class 52 Rating, Deduct</i>	-120.72	
		<i>For Class 54 Rating, Add</i>	82.31	
		<i>For Class 55 Rating, Add</i>	182.95	
40 05 19 00-2189	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,872.13	460.70
		<i>For Class 52 Rating, Deduct</i>	-129.15	
		<i>For Class 54 Rating, Add</i>	88.06	
		<i>For Class 55 Rating, Add</i>	195.72	
40 05 19 00-2190	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,954.61	464.57
		<i>For Class 52 Rating, Deduct</i>	-137.58	
		<i>For Class 54 Rating, Add</i>	93.80	
		<i>For Class 55 Rating, Add</i>	208.49	
40 05 19 00-2191	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,037.10	468.45
		<i>For Class 52 Rating, Deduct</i>	-146.01	
		<i>For Class 54 Rating, Add</i>	99.55	
		<i>For Class 55 Rating, Add</i>	221.27	
40 05 19 00-2192	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,119.58	472.32
		<i>For Class 52 Rating, Deduct</i>	-154.43	
		<i>For Class 54 Rating, Add</i>	105.30	
		<i>For Class 55 Rating, Add</i>	234.04	
40 05 19 00-2193	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,202.06	476.19
		<i>For Class 52 Rating, Deduct</i>	-162.86	
		<i>For Class 54 Rating, Add</i>	111.04	
		<i>For Class 55 Rating, Add</i>	246.81	
40 05 19 00-2194	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,284.54	480.06
		<i>For Class 52 Rating, Deduct</i>	-171.29	
		<i>For Class 54 Rating, Add</i>	116.79	
		<i>For Class 55 Rating, Add</i>	259.58	
40 05 19 00-2195	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,367.03	483.93
		<i>For Class 52 Rating, Deduct</i>	-179.72	
		<i>For Class 54 Rating, Add</i>	122.54	
		<i>For Class 55 Rating, Add</i>	272.35	
40 05 19 00-2196	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,449.50	487.80
		<i>For Class 52 Rating, Deduct</i>	-188.15	
		<i>For Class 54 Rating, Add</i>	128.28	
		<i>For Class 55 Rating, Add</i>	285.13	
40 05 19 00-2197	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,531.99	491.67
		<i>For Class 52 Rating, Deduct</i>	-196.57	
		<i>For Class 54 Rating, Add</i>	134.03	
		<i>For Class 55 Rating, Add</i>	297.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2198	EA		10" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,614.48	495.54
			<i>For Class 52 Rating, Deduct</i>	-205.00	
			<i>For Class 54 Rating, Add</i>	139.77	
			<i>For Class 55 Rating, Add</i>	310.67	
40 05 19 00-2199	EA		10" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,696.95	499.42
			<i>For Class 52 Rating, Deduct</i>	-213.43	
			<i>For Class 54 Rating, Add</i>	145.52	
			<i>For Class 55 Rating, Add</i>	323.44	
40 05 19 00-2200	EA		10" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,779.44	503.29
			<i>For Class 52 Rating, Deduct</i>	-221.86	
			<i>For Class 54 Rating, Add</i>	151.27	
			<i>For Class 55 Rating, Add</i>	336.21	
40 05 19 00-2201	EA		10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,861.92	507.16
			<i>For Class 52 Rating, Deduct</i>	-230.29	
			<i>For Class 54 Rating, Add</i>	157.01	
			<i>For Class 55 Rating, Add</i>	348.99	
40 05 19 00-2202	EA		10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,944.40	511.03
			<i>For Class 52 Rating, Deduct</i>	-238.71	
			<i>For Class 54 Rating, Add</i>	162.76	
			<i>For Class 55 Rating, Add</i>	361.76	
40 05 19 00-2203	EA		10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,026.88	514.90
			<i>For Class 52 Rating, Deduct</i>	-247.14	
			<i>For Class 54 Rating, Add</i>	168.50	
			<i>For Class 55 Rating, Add</i>	374.53	
40 05 19 00-2204	EA		10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,109.37	518.78
			<i>For Class 52 Rating, Deduct</i>	-255.57	
			<i>For Class 54 Rating, Add</i>	174.25	
			<i>For Class 55 Rating, Add</i>	387.30	
40 05 19 00-2205	EA		10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,191.85	522.64
			<i>For Class 52 Rating, Deduct</i>	-264.00	
			<i>For Class 54 Rating, Add</i>	180.00	
			<i>For Class 55 Rating, Add</i>	400.07	
40 05 19 00-2206	EA		10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,274.33	526.51
			<i>For Class 52 Rating, Deduct</i>	-272.42	
			<i>For Class 54 Rating, Add</i>	185.74	
			<i>For Class 55 Rating, Add</i>	412.85	
40 05 19 00-2207	EA		10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,356.82	530.38
			<i>For Class 52 Rating, Deduct</i>	-280.85	
			<i>For Class 54 Rating, Add</i>	191.49	
			<i>For Class 55 Rating, Add</i>	425.62	
40 05 19 00-2208	EA		10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,439.29	534.26
			<i>For Class 52 Rating, Deduct</i>	-289.28	
			<i>For Class 54 Rating, Add</i>	197.24	
			<i>For Class 55 Rating, Add</i>	438.39	
40 05 19 00-2209	EA		10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,521.78	538.13
			<i>For Class 52 Rating, Deduct</i>	-297.71	
			<i>For Class 54 Rating, Add</i>	202.98	
			<i>For Class 55 Rating, Add</i>	451.16	
40 05 19 00-2210	EA		10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,604.27	542.00
			<i>For Class 52 Rating, Deduct</i>	-306.14	
			<i>For Class 54 Rating, Add</i>	208.73	
			<i>For Class 55 Rating, Add</i>	463.93	
40 05 19 00-2211	EA		10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,686.74	545.87
			<i>For Class 52 Rating, Deduct</i>	-314.56	
			<i>For Class 54 Rating, Add</i>	214.47	
			<i>For Class 55 Rating, Add</i>	476.71	
40 05 19 00-2212	EA		10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,769.23	549.75
			<i>For Class 52 Rating, Deduct</i>	-322.99	
			<i>For Class 54 Rating, Add</i>	220.22	
			<i>For Class 55 Rating, Add</i>	489.48	
40 05 19 00-2213	EA		10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,851.71	553.62
			<i>For Class 52 Rating, Deduct</i>	-331.42	
			<i>For Class 54 Rating, Add</i>	225.97	
			<i>For Class 55 Rating, Add</i>	502.25	
40 05 19 00-2214	EA		10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,934.19	557.49
			<i>For Class 52 Rating, Deduct</i>	-339.85	
			<i>For Class 54 Rating, Add</i>	231.71	
			<i>For Class 55 Rating, Add</i>	515.02	
40 05 19 00-2215	EA		10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,016.67	561.35
			<i>For Class 52 Rating, Deduct</i>	-348.27	
			<i>For Class 54 Rating, Add</i>	237.46	
			<i>For Class 55 Rating, Add</i>	527.79	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2216	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,099.16	565.23
		<i>For Class 52 Rating, Deduct</i>	-356.70	
		<i>For Class 54 Rating, Add</i>	243.21	
		<i>For Class 55 Rating, Add</i>	540.57	
40 05 19 00-2217	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,181.64	569.10
		<i>For Class 52 Rating, Deduct</i>	-365.13	
		<i>For Class 54 Rating, Add</i>	248.95	
		<i>For Class 55 Rating, Add</i>	553.34	
40 05 19 00-2218	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,264.12	572.97
		<i>For Class 52 Rating, Deduct</i>	-373.56	
		<i>For Class 54 Rating, Add</i>	254.70	
		<i>For Class 55 Rating, Add</i>	566.11	
40 05 19 00-2219	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,346.61	576.84
		<i>For Class 52 Rating, Deduct</i>	-381.99	
		<i>For Class 54 Rating, Add</i>	260.45	
		<i>For Class 55 Rating, Add</i>	578.88	
40 05 19 00-2220	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,429.08	580.72
		<i>For Class 52 Rating, Deduct</i>	-390.41	
		<i>For Class 54 Rating, Add</i>	266.19	
		<i>For Class 55 Rating, Add</i>	591.65	

40 05 19 00-2221 12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2060)

40 05 19 00-2222	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,670.22	542.00
		<i>For Class 52 Rating, Deduct</i>	-93.39	
		<i>For Class 54 Rating, Add</i>	63.68	
		<i>For Class 55 Rating, Add</i>	141.53	
40 05 19 00-2223	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,771.33	545.87
		<i>For Class 52 Rating, Deduct</i>	-103.87	
		<i>For Class 54 Rating, Add</i>	70.82	
		<i>For Class 55 Rating, Add</i>	157.41	
40 05 19 00-2224	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,872.45	549.75
		<i>For Class 52 Rating, Deduct</i>	-114.35	
		<i>For Class 54 Rating, Add</i>	77.96	
		<i>For Class 55 Rating, Add</i>	173.28	
40 05 19 00-2225	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,973.56	553.62
		<i>For Class 52 Rating, Deduct</i>	-124.82	
		<i>For Class 54 Rating, Add</i>	85.11	
		<i>For Class 55 Rating, Add</i>	189.16	
40 05 19 00-2226	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,074.69	557.49
		<i>For Class 52 Rating, Deduct</i>	-135.30	
		<i>For Class 54 Rating, Add</i>	92.25	
		<i>For Class 55 Rating, Add</i>	205.04	
40 05 19 00-2227	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,175.80	561.35
		<i>For Class 52 Rating, Deduct</i>	-145.78	
		<i>For Class 54 Rating, Add</i>	99.39	
		<i>For Class 55 Rating, Add</i>	220.92	
40 05 19 00-2228	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,276.92	565.23
		<i>For Class 52 Rating, Deduct</i>	-156.26	
		<i>For Class 54 Rating, Add</i>	106.54	
		<i>For Class 55 Rating, Add</i>	236.80	
40 05 19 00-2229	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,378.05	569.10
		<i>For Class 52 Rating, Deduct</i>	-166.73	
		<i>For Class 54 Rating, Add</i>	113.68	
		<i>For Class 55 Rating, Add</i>	252.68	
40 05 19 00-2230	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,479.16	572.97
		<i>For Class 52 Rating, Deduct</i>	-177.21	
		<i>For Class 54 Rating, Add</i>	120.83	
		<i>For Class 55 Rating, Add</i>	268.56	
40 05 19 00-2231	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,580.28	576.84
		<i>For Class 52 Rating, Deduct</i>	-187.69	
		<i>For Class 54 Rating, Add</i>	127.97	
		<i>For Class 55 Rating, Add</i>	284.44	
40 05 19 00-2232	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,681.40	580.72
		<i>For Class 52 Rating, Deduct</i>	-198.17	
		<i>For Class 54 Rating, Add</i>	135.11	
		<i>For Class 55 Rating, Add</i>	300.32	
40 05 19 00-2233	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,782.52	584.59
		<i>For Class 52 Rating, Deduct</i>	-208.65	
		<i>For Class 54 Rating, Add</i>	142.26	
		<i>For Class 55 Rating, Add</i>	316.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2234	EA		12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,883.63	588.46
			For Class 52 Rating, Deduct	-219.12	
			For Class 54 Rating, Add	149.40	
			For Class 55 Rating, Add	332.07	
40 05 19 00-2235	EA		12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,984.76	592.33
			For Class 52 Rating, Deduct	-229.60	
			For Class 54 Rating, Add	156.55	
			For Class 55 Rating, Add	347.95	
40 05 19 00-2236	EA		12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,085.88	596.21
			For Class 52 Rating, Deduct	-240.08	
			For Class 54 Rating, Add	163.69	
			For Class 55 Rating, Add	363.83	
40 05 19 00-2237	EA		12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,186.99	600.07
			For Class 52 Rating, Deduct	-250.56	
			For Class 54 Rating, Add	170.83	
			For Class 55 Rating, Add	379.71	
40 05 19 00-2238	EA		12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,288.12	603.94
			For Class 52 Rating, Deduct	-261.04	
			For Class 54 Rating, Add	177.98	
			For Class 55 Rating, Add	395.59	
40 05 19 00-2239	EA		12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,389.23	607.81
			For Class 52 Rating, Deduct	-271.51	
			For Class 54 Rating, Add	185.12	
			For Class 55 Rating, Add	411.47	
40 05 19 00-2240	EA		12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,490.35	611.69
			For Class 52 Rating, Deduct	-281.99	
			For Class 54 Rating, Add	192.27	
			For Class 55 Rating, Add	427.34	
40 05 19 00-2241	EA		12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,591.46	615.56
			For Class 52 Rating, Deduct	-292.47	
			For Class 54 Rating, Add	199.41	
			For Class 55 Rating, Add	443.22	
40 05 19 00-2242	EA		12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,692.59	619.43
			For Class 52 Rating, Deduct	-302.95	
			For Class 54 Rating, Add	206.55	
			For Class 55 Rating, Add	459.10	
40 05 19 00-2243	EA		12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,793.71	623.30
			For Class 52 Rating, Deduct	-313.42	
			For Class 54 Rating, Add	213.70	
			For Class 55 Rating, Add	474.98	
40 05 19 00-2244	EA		12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,894.82	627.18
			For Class 52 Rating, Deduct	-323.90	
			For Class 54 Rating, Add	220.84	
			For Class 55 Rating, Add	490.86	
40 05 19 00-2245	EA		12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,995.95	631.05
			For Class 52 Rating, Deduct	-334.38	
			For Class 54 Rating, Add	227.99	
			For Class 55 Rating, Add	506.74	
40 05 19 00-2246	EA		12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,096.02	634.92
			For Class 52 Rating, Deduct	-344.74	
			For Class 54 Rating, Add	235.05	
			For Class 55 Rating, Add	522.44	
40 05 19 00-2247	EA		12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,198.18	638.78
			For Class 52 Rating, Deduct	-355.34	
			For Class 54 Rating, Add	242.27	
			For Class 55 Rating, Add	538.49	
40 05 19 00-2248	EA		12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,299.30	642.66
			For Class 52 Rating, Deduct	-365.81	
			For Class 54 Rating, Add	249.42	
			For Class 55 Rating, Add	554.37	
40 05 19 00-2249	EA		12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,400.42	646.53
			For Class 52 Rating, Deduct	-376.29	
			For Class 54 Rating, Add	256.56	
			For Class 55 Rating, Add	570.25	
40 05 19 00-2250	EA		12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,501.54	650.40
			For Class 52 Rating, Deduct	-386.77	
			For Class 54 Rating, Add	263.71	
			For Class 55 Rating, Add	586.13	
40 05 19 00-2251	EA		12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,602.66	654.27
			For Class 52 Rating, Deduct	-397.25	
			For Class 54 Rating, Add	270.85	
			For Class 55 Rating, Add	602.01	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2252	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,703.78	658.15
		<i>For Class 52 Rating, Deduct</i>	-407.72	
		<i>For Class 54 Rating, Add</i>	277.99	
		<i>For Class 55 Rating, Add</i>	617.89	
40 05 19 00-2253	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,804.89	662.02
		<i>For Class 52 Rating, Deduct</i>	-418.20	
		<i>For Class 54 Rating, Add</i>	285.14	
		<i>For Class 55 Rating, Add</i>	633.77	
40 05 19 00-2254	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,906.02	665.89
		<i>For Class 52 Rating, Deduct</i>	-428.68	
		<i>For Class 54 Rating, Add</i>	292.28	
		<i>For Class 55 Rating, Add</i>	649.65	
40 05 19 00-2255	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,007.13	669.76
		<i>For Class 52 Rating, Deduct</i>	-439.16	
		<i>For Class 54 Rating, Add</i>	299.43	
		<i>For Class 55 Rating, Add</i>	665.52	
40 05 19 00-2256	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,108.25	673.64
		<i>For Class 52 Rating, Deduct</i>	-449.64	
		<i>For Class 54 Rating, Add</i>	306.57	
		<i>For Class 55 Rating, Add</i>	681.40	
40 05 19 00-2257	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,209.37	677.50
		<i>For Class 52 Rating, Deduct</i>	-460.11	
		<i>For Class 54 Rating, Add</i>	313.71	
		<i>For Class 55 Rating, Add</i>	697.28	
40 05 19 00-2258	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,310.49	681.37
		<i>For Class 52 Rating, Deduct</i>	-470.59	
		<i>For Class 54 Rating, Add</i>	320.86	
		<i>For Class 55 Rating, Add</i>	713.16	
40 05 19 00-2259	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,411.61	685.24
		<i>For Class 52 Rating, Deduct</i>	-481.07	
		<i>For Class 54 Rating, Add</i>	328.00	
		<i>For Class 55 Rating, Add</i>	729.04	
40 05 19 00-2260	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,512.72	689.11
		<i>For Class 52 Rating, Deduct</i>	-491.55	
		<i>For Class 54 Rating, Add</i>	335.15	
		<i>For Class 55 Rating, Add</i>	744.92	
40 05 19 00-2261		14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
		<small>(40 05 19 00-2060)</small>		
40 05 19 00-2262	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,166.81	650.40
		<i>For Class 52 Rating, Deduct</i>	-129.95	
		<i>For Class 54 Rating, Add</i>	88.60	
		<i>For Class 55 Rating, Add</i>	196.93	
40 05 19 00-2263	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,288.63	654.27
		<i>For Class 52 Rating, Deduct</i>	-142.70	
		<i>For Class 54 Rating, Add</i>	97.30	
		<i>For Class 55 Rating, Add</i>	216.26	
40 05 19 00-2264	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,410.46	658.15
		<i>For Class 52 Rating, Deduct</i>	-155.46	
		<i>For Class 54 Rating, Add</i>	106.00	
		<i>For Class 55 Rating, Add</i>	235.59	
40 05 19 00-2265	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,532.28	662.02
		<i>For Class 52 Rating, Deduct</i>	-168.22	
		<i>For Class 54 Rating, Add</i>	114.69	
		<i>For Class 55 Rating, Add</i>	254.92	
40 05 19 00-2266	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,654.11	665.89
		<i>For Class 52 Rating, Deduct</i>	-180.97	
		<i>For Class 54 Rating, Add</i>	123.39	
		<i>For Class 55 Rating, Add</i>	274.25	
40 05 19 00-2267	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,775.93	669.76
		<i>For Class 52 Rating, Deduct</i>	-193.73	
		<i>For Class 54 Rating, Add</i>	132.09	
		<i>For Class 55 Rating, Add</i>	293.58	
40 05 19 00-2268	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,897.76	673.64
		<i>For Class 52 Rating, Deduct</i>	-206.48	
		<i>For Class 54 Rating, Add</i>	140.78	
		<i>For Class 55 Rating, Add</i>	312.91	
40 05 19 00-2269	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,019.59	677.50
		<i>For Class 52 Rating, Deduct</i>	-219.24	
		<i>For Class 54 Rating, Add</i>	149.48	
		<i>For Class 55 Rating, Add</i>	332.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2270	EA		14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,141.41	681.37
			For Class 52 Rating, Deduct	-231.99	
			For Class 54 Rating, Add	158.18	
			For Class 55 Rating, Add	351.58	
40 05 19 00-2271	EA		14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,263.24	685.24
			For Class 52 Rating, Deduct	-244.75	
			For Class 54 Rating, Add	166.87	
			For Class 55 Rating, Add	370.91	
40 05 19 00-2272	EA		14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,385.06	689.11
			For Class 52 Rating, Deduct	-257.50	
			For Class 54 Rating, Add	175.57	
			For Class 55 Rating, Add	390.24	
40 05 19 00-2273	EA		14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,506.89	692.99
			For Class 52 Rating, Deduct	-270.26	
			For Class 54 Rating, Add	184.27	
			For Class 55 Rating, Add	409.57	
40 05 19 00-2274	EA		14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,628.72	696.86
			For Class 52 Rating, Deduct	-283.02	
			For Class 54 Rating, Add	192.97	
			For Class 55 Rating, Add	428.90	
40 05 19 00-2275	EA		14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,750.54	700.73
			For Class 52 Rating, Deduct	-295.77	
			For Class 54 Rating, Add	201.66	
			For Class 55 Rating, Add	448.23	
40 05 19 00-2276	EA		14" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,872.37	704.60
			For Class 52 Rating, Deduct	-308.53	
			For Class 54 Rating, Add	210.36	
			For Class 55 Rating, Add	467.56	
40 05 19 00-2277	EA		14" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,994.19	708.48
			For Class 52 Rating, Deduct	-321.28	
			For Class 54 Rating, Add	219.06	
			For Class 55 Rating, Add	486.89	
40 05 19 00-2278	EA		14" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,116.02	712.35
			For Class 52 Rating, Deduct	-334.04	
			For Class 54 Rating, Add	227.75	
			For Class 55 Rating, Add	506.22	
40 05 19 00-2279	EA		14" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,237.84	716.21
			For Class 52 Rating, Deduct	-346.79	
			For Class 54 Rating, Add	236.45	
			For Class 55 Rating, Add	525.55	
40 05 19 00-2280	EA		14" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,359.67	720.08
			For Class 52 Rating, Deduct	-359.55	
			For Class 54 Rating, Add	245.15	
			For Class 55 Rating, Add	544.88	
40 05 19 00-2281	EA		14" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,481.50	723.96
			For Class 52 Rating, Deduct	-372.30	
			For Class 54 Rating, Add	253.84	
			For Class 55 Rating, Add	564.21	
40 05 19 00-2282	EA		14" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,603.32	727.83
			For Class 52 Rating, Deduct	-385.06	
			For Class 54 Rating, Add	262.54	
			For Class 55 Rating, Add	583.54	
40 05 19 00-2283	EA		14" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,725.15	731.70
			For Class 52 Rating, Deduct	-397.82	
			For Class 54 Rating, Add	271.24	
			For Class 55 Rating, Add	602.87	
40 05 19 00-2284	EA		14" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,846.97	735.57
			For Class 52 Rating, Deduct	-410.57	
			For Class 54 Rating, Add	279.94	
			For Class 55 Rating, Add	622.20	
40 05 19 00-2285	EA		14" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,968.80	739.45
			For Class 52 Rating, Deduct	-423.33	
			For Class 54 Rating, Add	288.63	
			For Class 55 Rating, Add	641.53	
40 05 19 00-2286	EA		14" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,090.62	743.32
			For Class 52 Rating, Deduct	-436.08	
			For Class 54 Rating, Add	297.33	
			For Class 55 Rating, Add	660.86	
40 05 19 00-2287	EA		14" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,212.45	747.19
			For Class 52 Rating, Deduct	-448.84	
			For Class 54 Rating, Add	306.03	
			For Class 55 Rating, Add	680.19	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2288	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,334.28	751.06
		<i>For Class 52 Rating, Deduct</i>	-461.59	
		<i>For Class 54 Rating, Add</i>	314.72	
		<i>For Class 55 Rating, Add</i>	699.52	
40 05 19 00-2289	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,456.10	754.93
		<i>For Class 52 Rating, Deduct</i>	-474.35	
		<i>For Class 54 Rating, Add</i>	323.42	
		<i>For Class 55 Rating, Add</i>	718.86	
40 05 19 00-2290	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,577.93	758.80
		<i>For Class 52 Rating, Deduct</i>	-487.11	
		<i>For Class 54 Rating, Add</i>	332.12	
		<i>For Class 55 Rating, Add</i>	738.19	
40 05 19 00-2291	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,699.76	762.67
		<i>For Class 52 Rating, Deduct</i>	-499.86	
		<i>For Class 54 Rating, Add</i>	340.82	
		<i>For Class 55 Rating, Add</i>	757.52	
40 05 19 00-2292	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,821.59	766.54
		<i>For Class 52 Rating, Deduct</i>	-512.62	
		<i>For Class 54 Rating, Add</i>	349.51	
		<i>For Class 55 Rating, Add</i>	776.85	
40 05 19 00-2293	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,943.41	770.42
		<i>For Class 52 Rating, Deduct</i>	-525.37	
		<i>For Class 54 Rating, Add</i>	358.21	
		<i>For Class 55 Rating, Add</i>	796.18	
40 05 19 00-2294	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,065.24	774.29
		<i>For Class 52 Rating, Deduct</i>	-538.13	
		<i>For Class 54 Rating, Add</i>	366.91	
		<i>For Class 55 Rating, Add</i>	815.51	
40 05 19 00-2295	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,187.07	778.16
		<i>For Class 52 Rating, Deduct</i>	-550.88	
		<i>For Class 54 Rating, Add</i>	375.60	
		<i>For Class 55 Rating, Add</i>	834.84	
40 05 19 00-2296	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,308.89	782.03
		<i>For Class 52 Rating, Deduct</i>	-563.64	
		<i>For Class 54 Rating, Add</i>	384.30	
		<i>For Class 55 Rating, Add</i>	854.17	
40 05 19 00-2297	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,430.72	785.91
		<i>For Class 52 Rating, Deduct</i>	-576.40	
		<i>For Class 54 Rating, Add</i>	393.00	
		<i>For Class 55 Rating, Add</i>	873.50	
40 05 19 00-2298	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,552.54	789.78
		<i>For Class 52 Rating, Deduct</i>	-589.15	
		<i>For Class 54 Rating, Add</i>	401.69	
		<i>For Class 55 Rating, Add</i>	892.83	
40 05 19 00-2299	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,674.37	793.64
		<i>For Class 52 Rating, Deduct</i>	-601.91	
		<i>For Class 54 Rating, Add</i>	410.39	
		<i>For Class 55 Rating, Add</i>	912.16	

40 05 19 00-2300 16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2060)

40 05 19 00-2301	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,523.97	743.32
		<i>For Class 52 Rating, Deduct</i>	-153.75	
		<i>For Class 54 Rating, Add</i>	104.83	
		<i>For Class 55 Rating, Add</i>	233.00	
40 05 19 00-2302	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,664.43	747.19
		<i>For Class 52 Rating, Deduct</i>	-168.56	
		<i>For Class 54 Rating, Add</i>	114.92	
		<i>For Class 55 Rating, Add</i>	255.44	
40 05 19 00-2303	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,804.90	751.06
		<i>For Class 52 Rating, Deduct</i>	-183.36	
		<i>For Class 54 Rating, Add</i>	125.02	
		<i>For Class 55 Rating, Add</i>	277.88	
40 05 19 00-2304	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,945.36	754.93
		<i>For Class 52 Rating, Deduct</i>	-198.17	
		<i>For Class 54 Rating, Add</i>	135.11	
		<i>For Class 55 Rating, Add</i>	300.32	
40 05 19 00-2305	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,085.82	758.80
		<i>For Class 52 Rating, Deduct</i>	-212.97	
		<i>For Class 54 Rating, Add</i>	145.21	
		<i>For Class 55 Rating, Add</i>	322.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2306	EA		16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,226.28	762.67
			For Class 52 Rating, Deduct	-227.78	
			For Class 54 Rating, Add	155.30	
			For Class 55 Rating, Add	345.19	
40 05 19 00-2307	EA		16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,366.75	766.54
			For Class 52 Rating, Deduct	-242.59	
			For Class 54 Rating, Add	165.40	
			For Class 55 Rating, Add	367.63	
40 05 19 00-2308	EA		16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,507.20	770.42
			For Class 52 Rating, Deduct	-257.39	
			For Class 54 Rating, Add	175.49	
			For Class 55 Rating, Add	390.06	
40 05 19 00-2309	EA		16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,647.67	774.29
			For Class 52 Rating, Deduct	-272.20	
			For Class 54 Rating, Add	185.59	
			For Class 55 Rating, Add	412.50	
40 05 19 00-2310	EA		16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,788.14	778.16
			For Class 52 Rating, Deduct	-287.00	
			For Class 54 Rating, Add	195.68	
			For Class 55 Rating, Add	434.94	
40 05 19 00-2311	EA		16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,928.59	782.03
			For Class 52 Rating, Deduct	-301.81	
			For Class 54 Rating, Add	205.78	
			For Class 55 Rating, Add	457.37	
40 05 19 00-2312	EA		16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	4,069.06	785.91
			For Class 52 Rating, Deduct	-316.61	
			For Class 54 Rating, Add	215.87	
			For Class 55 Rating, Add	479.81	
40 05 19 00-2313	EA		16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	4,209.52	789.78
			For Class 52 Rating, Deduct	-331.42	
			For Class 54 Rating, Add	225.97	
			For Class 55 Rating, Add	502.25	
40 05 19 00-2314	EA		16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	4,349.98	793.64
			For Class 52 Rating, Deduct	-346.22	
			For Class 54 Rating, Add	236.06	
			For Class 55 Rating, Add	524.69	
40 05 19 00-2315	EA		16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	4,490.44	797.51
			For Class 52 Rating, Deduct	-361.03	
			For Class 54 Rating, Add	246.16	
			For Class 55 Rating, Add	547.12	
40 05 19 00-2316	EA		16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	4,630.91	801.39
			For Class 52 Rating, Deduct	-375.84	
			For Class 54 Rating, Add	256.25	
			For Class 55 Rating, Add	569.56	
40 05 19 00-2317	EA		16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	4,771.37	805.26
			For Class 52 Rating, Deduct	-390.64	
			For Class 54 Rating, Add	266.35	
			For Class 55 Rating, Add	592.00	
40 05 19 00-2318	EA		16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	4,911.83	809.13
			For Class 52 Rating, Deduct	-405.45	
			For Class 54 Rating, Add	276.44	
			For Class 55 Rating, Add	614.44	
40 05 19 00-2319	EA		16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			Iron Pipe	5,052.30	813.00
			For Class 52 Rating, Deduct	-420.25	
			For Class 54 Rating, Add	286.54	
			For Class 55 Rating, Add	636.87	
40 05 19 00-2320	EA		16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			Iron Pipe	5,192.76	816.88
			For Class 52 Rating, Deduct	-435.06	
			For Class 54 Rating, Add	296.63	
			For Class 55 Rating, Add	659.31	
40 05 19 00-2321	EA		16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			Iron Pipe	5,333.22	820.75
			For Class 52 Rating, Deduct	-449.86	
			For Class 54 Rating, Add	306.73	
			For Class 55 Rating, Add	681.75	
40 05 19 00-2322	EA		16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			Iron Pipe	5,473.68	824.62
			For Class 52 Rating, Deduct	-464.67	
			For Class 54 Rating, Add	316.82	
			For Class 55 Rating, Add	704.19	
40 05 19 00-2323	EA		16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			Iron Pipe	5,614.15	828.49
			For Class 52 Rating, Deduct	-479.48	
			For Class 54 Rating, Add	326.92	
			For Class 55 Rating, Add	726.62	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2324	EA		16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,754.61	832.36
			<i>For Class 52 Rating, Deduct</i>	-494.28	
			<i>For Class 54 Rating, Add</i>	337.01	
			<i>For Class 55 Rating, Add</i>	749.06	
40 05 19 00-2325	EA		16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,895.07	836.23
			<i>For Class 52 Rating, Deduct</i>	-509.09	
			<i>For Class 54 Rating, Add</i>	347.10	
			<i>For Class 55 Rating, Add</i>	771.50	
40 05 19 00-2326	EA		16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,035.54	840.10
			<i>For Class 52 Rating, Deduct</i>	-523.89	
			<i>For Class 54 Rating, Add</i>	357.20	
			<i>For Class 55 Rating, Add</i>	793.94	
40 05 19 00-2327	EA		16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,175.99	843.97
			<i>For Class 52 Rating, Deduct</i>	-538.70	
			<i>For Class 54 Rating, Add</i>	367.29	
			<i>For Class 55 Rating, Add</i>	816.37	
40 05 19 00-2328	EA		16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,316.46	847.85
			<i>For Class 52 Rating, Deduct</i>	-553.50	
			<i>For Class 54 Rating, Add</i>	377.39	
			<i>For Class 55 Rating, Add</i>	838.81	
40 05 19 00-2329	EA		16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,456.93	851.72
			<i>For Class 52 Rating, Deduct</i>	-588.31	
			<i>For Class 54 Rating, Add</i>	387.48	
			<i>For Class 55 Rating, Add</i>	861.25	
40 05 19 00-2330	EA		16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,597.38	855.59
			<i>For Class 52 Rating, Deduct</i>	-583.11	
			<i>For Class 54 Rating, Add</i>	397.58	
			<i>For Class 55 Rating, Add</i>	883.68	
40 05 19 00-2331	EA		16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,737.85	859.46
			<i>For Class 52 Rating, Deduct</i>	-597.92	
			<i>For Class 54 Rating, Add</i>	407.67	
			<i>For Class 55 Rating, Add</i>	906.12	
40 05 19 00-2332	EA		16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,878.31	863.33
			<i>For Class 52 Rating, Deduct</i>	-612.73	
			<i>For Class 54 Rating, Add</i>	417.77	
			<i>For Class 55 Rating, Add</i>	928.56	
40 05 19 00-2333	EA		16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,018.77	867.21
			<i>For Class 52 Rating, Deduct</i>	-627.53	
			<i>For Class 54 Rating, Add</i>	427.86	
			<i>For Class 55 Rating, Add</i>	951.00	
40 05 19 00-2334	EA		16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,159.23	871.07
			<i>For Class 52 Rating, Deduct</i>	-642.34	
			<i>For Class 54 Rating, Add</i>	437.96	
			<i>For Class 55 Rating, Add</i>	973.43	
40 05 19 00-2335	EA		16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,299.70	874.94
			<i>For Class 52 Rating, Deduct</i>	-657.14	
			<i>For Class 54 Rating, Add</i>	448.05	
			<i>For Class 55 Rating, Add</i>	995.87	
40 05 19 00-2336	EA		16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,440.16	878.81
			<i>For Class 52 Rating, Deduct</i>	-671.95	
			<i>For Class 54 Rating, Add</i>	458.15	
			<i>For Class 55 Rating, Add</i>	1,018.31	
40 05 19 00-2337	EA		16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,580.62	882.69
			<i>For Class 52 Rating, Deduct</i>	-686.75	
			<i>For Class 54 Rating, Add</i>	468.24	
			<i>For Class 55 Rating, Add</i>	1,040.74	
40 05 19 00-2338	EA		16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,721.10	886.56
			<i>For Class 52 Rating, Deduct</i>	-701.56	
			<i>For Class 54 Rating, Add</i>	478.34	
			<i>For Class 55 Rating, Add</i>	1,063.18	
40 05 19 00-2339			18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2340	EA		18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,915.58	837.78
			<i>For Class 52 Rating, Deduct</i>	-181.08	
			<i>For Class 54 Rating, Add</i>	123.47	
			<i>For Class 55 Rating, Add</i>	274.42	
40 05 19 00-2341	EA		18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,076.76	841.65
			<i>For Class 52 Rating, Deduct</i>	-198.17	
			<i>For Class 54 Rating, Add</i>	135.11	
			<i>For Class 55 Rating, Add</i>	300.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2342	EA		18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,237.92	845.52
			For Class 52 Rating, Deduct	-215.25	
			For Class 54 Rating, Add	146.76	
			For Class 55 Rating, Add	326.20	
40 05 19 00-2343	EA		18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,399.09	849.39
			For Class 52 Rating, Deduct	-232.33	
			For Class 54 Rating, Add	158.41	
			For Class 55 Rating, Add	352.09	
40 05 19 00-2344	EA		18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,560.27	853.27
			For Class 52 Rating, Deduct	-249.42	
			For Class 54 Rating, Add	170.06	
			For Class 55 Rating, Add	377.98	
40 05 19 00-2345	EA		18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,721.43	857.14
			For Class 52 Rating, Deduct	-266.50	
			For Class 54 Rating, Add	181.71	
			For Class 55 Rating, Add	403.87	
40 05 19 00-2346	EA		18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,882.61	861.01
			For Class 52 Rating, Deduct	-283.59	
			For Class 54 Rating, Add	193.35	
			For Class 55 Rating, Add	429.76	
40 05 19 00-2347	EA		18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,043.77	864.88
			For Class 52 Rating, Deduct	-300.67	
			For Class 54 Rating, Add	205.00	
			For Class 55 Rating, Add	455.65	
40 05 19 00-2348	EA		18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,204.94	868.75
			For Class 52 Rating, Deduct	-317.75	
			For Class 54 Rating, Add	216.65	
			For Class 55 Rating, Add	481.54	
40 05 19 00-2349	EA		18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,366.11	872.62
			For Class 52 Rating, Deduct	-334.84	
			For Class 54 Rating, Add	228.30	
			For Class 55 Rating, Add	507.43	
40 05 19 00-2350	EA		18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,527.28	876.49
			For Class 52 Rating, Deduct	-351.92	
			For Class 54 Rating, Add	239.94	
			For Class 55 Rating, Add	533.32	
40 05 19 00-2351	EA		18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,688.46	880.36
			For Class 52 Rating, Deduct	-369.00	
			For Class 54 Rating, Add	251.59	
			For Class 55 Rating, Add	559.21	
40 05 19 00-2352	EA		18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,849.62	884.24
			For Class 52 Rating, Deduct	-386.09	
			For Class 54 Rating, Add	263.24	
			For Class 55 Rating, Add	585.10	
40 05 19 00-2353	EA		18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,010.79	888.11
			For Class 52 Rating, Deduct	-403.17	
			For Class 54 Rating, Add	274.89	
			For Class 55 Rating, Add	610.98	
40 05 19 00-2354	EA		18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,171.96	891.98
			For Class 52 Rating, Deduct	-420.25	
			For Class 54 Rating, Add	286.54	
			For Class 55 Rating, Add	636.87	
40 05 19 00-2355	EA		18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,333.13	895.85
			For Class 52 Rating, Deduct	-437.34	
			For Class 54 Rating, Add	298.18	
			For Class 55 Rating, Add	662.76	
40 05 19 00-2356	EA		18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,494.30	899.73
			For Class 52 Rating, Deduct	-454.42	
			For Class 54 Rating, Add	309.83	
			For Class 55 Rating, Add	688.65	
40 05 19 00-2357	EA		18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,655.47	903.60
			For Class 52 Rating, Deduct	-471.50	
			For Class 54 Rating, Add	321.48	
			For Class 55 Rating, Add	714.54	
40 05 19 00-2358	EA		18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,816.64	907.46
			For Class 52 Rating, Deduct	-488.59	
			For Class 54 Rating, Add	333.13	
			For Class 55 Rating, Add	740.43	
40 05 19 00-2359	EA		18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,977.81	911.33
			For Class 52 Rating, Deduct	-505.67	
			For Class 54 Rating, Add	344.78	
			For Class 55 Rating, Add	766.32	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2360	EA		18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,138.98	915.21
			<i>For Class 52 Rating, Deduct</i>	-522.75	
			<i>For Class 54 Rating, Add</i>	356.42	
			<i>For Class 55 Rating, Add</i>	792.21	
40 05 19 00-2361	EA		18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,300.15	919.08
			<i>For Class 52 Rating, Deduct</i>	-539.84	
			<i>For Class 54 Rating, Add</i>	368.07	
			<i>For Class 55 Rating, Add</i>	818.10	
40 05 19 00-2362	EA		18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,461.32	922.95
			<i>For Class 52 Rating, Deduct</i>	-556.92	
			<i>For Class 54 Rating, Add</i>	379.72	
			<i>For Class 55 Rating, Add</i>	843.99	
40 05 19 00-2363	EA		18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,622.48	926.82
			<i>For Class 52 Rating, Deduct</i>	-574.00	
			<i>For Class 54 Rating, Add</i>	391.37	
			<i>For Class 55 Rating, Add</i>	869.88	
40 05 19 00-2364	EA		18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,783.66	930.70
			<i>For Class 52 Rating, Deduct</i>	-591.09	
			<i>For Class 54 Rating, Add</i>	403.01	
			<i>For Class 55 Rating, Add</i>	895.77	
40 05 19 00-2365	EA		18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,944.83	934.57
			<i>For Class 52 Rating, Deduct</i>	-608.17	
			<i>For Class 54 Rating, Add</i>	414.66	
			<i>For Class 55 Rating, Add</i>	921.65	
40 05 19 00-2366	EA		18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,106.00	938.44
			<i>For Class 52 Rating, Deduct</i>	-625.25	
			<i>For Class 54 Rating, Add</i>	426.31	
			<i>For Class 55 Rating, Add</i>	947.54	
40 05 19 00-2367	EA		18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,267.17	942.31
			<i>For Class 52 Rating, Deduct</i>	-642.34	
			<i>For Class 54 Rating, Add</i>	437.96	
			<i>For Class 55 Rating, Add</i>	973.43	
40 05 19 00-2368	EA		18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,428.33	946.18
			<i>For Class 52 Rating, Deduct</i>	-659.42	
			<i>For Class 54 Rating, Add</i>	449.60	
			<i>For Class 55 Rating, Add</i>	999.32	
40 05 19 00-2369	EA		18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,589.51	950.05
			<i>For Class 52 Rating, Deduct</i>	-676.50	
			<i>For Class 54 Rating, Add</i>	461.25	
			<i>For Class 55 Rating, Add</i>	1,025.21	
40 05 19 00-2370	EA		18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,750.68	953.92
			<i>For Class 52 Rating, Deduct</i>	-693.59	
			<i>For Class 54 Rating, Add</i>	472.90	
			<i>For Class 55 Rating, Add</i>	1,051.10	
40 05 19 00-2371	EA		18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,911.85	957.79
			<i>For Class 52 Rating, Deduct</i>	-710.67	
			<i>For Class 54 Rating, Add</i>	484.55	
			<i>For Class 55 Rating, Add</i>	1,076.99	
40 05 19 00-2372	EA		18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,073.02	961.66
			<i>For Class 52 Rating, Deduct</i>	-727.75	
			<i>For Class 54 Rating, Add</i>	496.20	
			<i>For Class 55 Rating, Add</i>	1,102.88	
40 05 19 00-2373	EA		18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,234.18	965.54
			<i>For Class 52 Rating, Deduct</i>	-744.84	
			<i>For Class 54 Rating, Add</i>	507.84	
			<i>For Class 55 Rating, Add</i>	1,128.77	
40 05 19 00-2374	EA		18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,395.36	969.41
			<i>For Class 52 Rating, Deduct</i>	-761.92	
			<i>For Class 54 Rating, Add</i>	519.49	
			<i>For Class 55 Rating, Add</i>	1,154.66	
40 05 19 00-2375	EA		18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,556.52	973.28
			<i>For Class 52 Rating, Deduct</i>	-779.00	
			<i>For Class 54 Rating, Add</i>	531.14	
			<i>For Class 55 Rating, Add</i>	1,180.55	
40 05 19 00-2376	EA		18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,717.70	977.15
			<i>For Class 52 Rating, Deduct</i>	-796.09	
			<i>For Class 54 Rating, Add</i>	542.79	
			<i>For Class 55 Rating, Add</i>	1,206.44	
40 05 19 00-2377	EA		18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,878.87	981.03
			<i>For Class 52 Rating, Deduct</i>	-813.17	
			<i>For Class 54 Rating, Add</i>	554.44	
			<i>For Class 55 Rating, Add</i>	1,232.32	

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

40 05 19 00-2378	20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2379	EA 20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,390.16 -213.54 145.60 323.61	956.24
40 05 19 00-2380	EA 20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,573.08 -233.02 158.88 353.13	960.12
40 05 19 00-2381	EA 20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,755.98 -252.49 172.15 382.64	963.99
40 05 19 00-2382	EA 20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,938.90 -271.97 185.43 412.16	967.86
40 05 19 00-2383	EA 20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,121.81 -291.44 198.71 441.67	971.73
40 05 19 00-2384	EA 20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,304.72 -310.92 211.99 471.18	975.61
40 05 19 00-2385	EA 20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,487.64 -330.39 225.27 500.70	979.48
40 05 19 00-2386	EA 20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,670.55 -349.87 238.55 530.21	983.34
40 05 19 00-2387	EA 20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,853.46 -369.34 251.83 559.72	987.21
40 05 19 00-2388	EA 20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,036.37 -388.82 265.10 589.24	991.09
40 05 19 00-2389	EA 20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,219.29 -408.29 278.38 618.75	994.96
40 05 19 00-2390	EA 20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,402.19 -427.77 291.66 648.26	998.83
40 05 19 00-2391	EA 20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,585.11 -447.24 304.94 677.78	1,002.70
40 05 19 00-2392	EA 20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,768.03 -466.72 318.22 707.29	1,006.58
40 05 19 00-2393	EA 20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,950.93 -486.19 331.50 736.81	1,010.45
40 05 19 00-2394	EA 20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,133.85 -505.67 344.78 766.32	1,014.32
40 05 19 00-2395	EA 20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,316.75 -525.14 358.05 795.83	1,018.19

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2396	EA		20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,499.67	1,022.05
			For Class 52 Rating, Deduct	-544.62	
			For Class 54 Rating, Add	371.33	
			For Class 55 Rating, Add	825.35	
40 05 19 00-2397	EA		20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,682.58	1,025.93
			For Class 52 Rating, Deduct	-564.10	
			For Class 54 Rating, Add	384.61	
			For Class 55 Rating, Add	854.86	
40 05 19 00-2398	EA		20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,865.49	1,029.80
			For Class 52 Rating, Deduct	-583.57	
			For Class 54 Rating, Add	397.89	
			For Class 55 Rating, Add	884.37	
40 05 19 00-2399	EA		20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,048.41	1,033.67
			For Class 52 Rating, Deduct	-603.05	
			For Class 54 Rating, Add	411.17	
			For Class 55 Rating, Add	913.89	
40 05 19 00-2400	EA		20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,231.32	1,037.54
			For Class 52 Rating, Deduct	-622.52	
			For Class 54 Rating, Add	424.45	
			For Class 55 Rating, Add	943.40	
40 05 19 00-2401	EA		20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,414.23	1,041.42
			For Class 52 Rating, Deduct	-642.00	
			For Class 54 Rating, Add	437.72	
			For Class 55 Rating, Add	972.91	
40 05 19 00-2402	EA		20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,597.14	1,045.29
			For Class 52 Rating, Deduct	-661.47	
			For Class 54 Rating, Add	451.00	
			For Class 55 Rating, Add	1,002.43	
40 05 19 00-2403	EA		20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,780.06	1,049.16
			For Class 52 Rating, Deduct	-680.95	
			For Class 54 Rating, Add	464.28	
			For Class 55 Rating, Add	1,031.94	
40 05 19 00-2404	EA		20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,962.96	1,053.03
			For Class 52 Rating, Deduct	-700.42	
			For Class 54 Rating, Add	477.56	
			For Class 55 Rating, Add	1,061.46	
40 05 19 00-2405	EA		20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,145.88	1,056.91
			For Class 52 Rating, Deduct	-719.90	
			For Class 54 Rating, Add	490.84	
			For Class 55 Rating, Add	1,090.97	
40 05 19 00-2406	EA		20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,328.80	1,060.77
			For Class 52 Rating, Deduct	-739.37	
			For Class 54 Rating, Add	504.12	
			For Class 55 Rating, Add	1,120.48	
40 05 19 00-2407	EA		20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,511.70	1,064.64
			For Class 52 Rating, Deduct	-758.85	
			For Class 54 Rating, Add	517.40	
			For Class 55 Rating, Add	1,150.00	
40 05 19 00-2408	EA		20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,694.62	1,068.51
			For Class 52 Rating, Deduct	-778.32	
			For Class 54 Rating, Add	530.67	
			For Class 55 Rating, Add	1,179.51	
40 05 19 00-2409	EA		20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,877.53	1,072.39
			For Class 52 Rating, Deduct	-797.80	
			For Class 54 Rating, Add	543.95	
			For Class 55 Rating, Add	1,209.03	
40 05 19 00-2410	EA		20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,060.44	1,076.26
			For Class 52 Rating, Deduct	-817.27	
			For Class 54 Rating, Add	557.23	
			For Class 55 Rating, Add	1,238.54	
40 05 19 00-2411	EA		20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,243.35	1,080.13
			For Class 52 Rating, Deduct	-836.75	
			For Class 54 Rating, Add	570.51	
			For Class 55 Rating, Add	1,268.05	
40 05 19 00-2412	EA		20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,426.27	1,084.00
			For Class 52 Rating, Deduct	-856.22	
			For Class 54 Rating, Add	583.79	
			For Class 55 Rating, Add	1,297.57	
40 05 19 00-2413	EA		20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,609.18	1,087.88
			For Class 52 Rating, Deduct	-875.70	
			For Class 54 Rating, Add	597.07	
			For Class 55 Rating, Add	1,327.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2414	EA		20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,792.09	1,091.75
			For Class 52 Rating, Deduct	-895.17	
			For Class 54 Rating, Add	610.34	
			For Class 55 Rating, Add	1,356.59	
40 05 19 00-2415	EA		20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,975.01	1,095.62
			For Class 52 Rating, Deduct	-914.65	
			For Class 54 Rating, Add	623.62	
			For Class 55 Rating, Add	1,386.11	
40 05 19 00-2416	EA		20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,157.91	1,099.48
			For Class 52 Rating, Deduct	-934.12	
			For Class 54 Rating, Add	636.90	
			For Class 55 Rating, Add	1,415.62	
40 05 19 00-2417			24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-2060)</small>		
40 05 19 00-2418	EA		24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,135.56	1,130.46
			For Class 52 Rating, Deduct	-266.50	
			For Class 54 Rating, Add	181.71	
			For Class 55 Rating, Add	403.87	
40 05 19 00-2419	EA		24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,360.92	1,134.34
			For Class 52 Rating, Deduct	-290.65	
			For Class 54 Rating, Add	198.17	
			For Class 55 Rating, Add	440.46	
40 05 19 00-2420	EA		24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,586.29	1,138.20
			For Class 52 Rating, Deduct	-314.79	
			For Class 54 Rating, Add	214.63	
			For Class 55 Rating, Add	477.05	
40 05 19 00-2421	EA		24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,811.65	1,142.07
			For Class 52 Rating, Deduct	-338.94	
			For Class 54 Rating, Add	231.09	
			For Class 55 Rating, Add	513.64	
40 05 19 00-2422	EA		24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,037.01	1,145.94
			For Class 52 Rating, Deduct	-363.08	
			For Class 54 Rating, Add	247.55	
			For Class 55 Rating, Add	550.23	
40 05 19 00-2423	EA		24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,262.37	1,149.82
			For Class 52 Rating, Deduct	-387.22	
			For Class 54 Rating, Add	264.02	
			For Class 55 Rating, Add	586.82	
40 05 19 00-2424	EA		24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,487.73	1,153.69
			For Class 52 Rating, Deduct	-411.37	
			For Class 54 Rating, Add	280.48	
			For Class 55 Rating, Add	623.41	
40 05 19 00-2425	EA		24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,713.10	1,157.56
			For Class 52 Rating, Deduct	-435.51	
			For Class 54 Rating, Add	296.94	
			For Class 55 Rating, Add	660.00	
40 05 19 00-2426	EA		24" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,938.46	1,161.43
			For Class 52 Rating, Deduct	-459.66	
			For Class 54 Rating, Add	313.40	
			For Class 55 Rating, Add	696.59	
40 05 19 00-2427	EA		24" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,163.82	1,165.31
			For Class 52 Rating, Deduct	-483.80	
			For Class 54 Rating, Add	329.87	
			For Class 55 Rating, Add	733.18	
40 05 19 00-2428	EA		24" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,389.19	1,169.18
			For Class 52 Rating, Deduct	-507.95	
			For Class 54 Rating, Add	346.33	
			For Class 55 Rating, Add	769.77	
40 05 19 00-2429	EA		24" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,614.54	1,173.05
			For Class 52 Rating, Deduct	-532.09	
			For Class 54 Rating, Add	362.79	
			For Class 55 Rating, Add	806.36	
40 05 19 00-2430	EA		24" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,839.91	1,176.91
			For Class 52 Rating, Deduct	-556.24	
			For Class 54 Rating, Add	379.25	
			For Class 55 Rating, Add	842.95	
40 05 19 00-2431	EA		24" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,065.26	1,180.79
			For Class 52 Rating, Deduct	-580.38	
			For Class 54 Rating, Add	395.71	
			For Class 55 Rating, Add	879.54	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2432	EA		24" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,290.63	1,184.66
			For Class 52 Rating, Deduct	-604.53	
			For Class 54 Rating, Add	412.18	
			For Class 55 Rating, Add	916.13	
40 05 19 00-2433	EA		24" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,516.00	1,188.53
			For Class 52 Rating, Deduct	-628.67	
			For Class 54 Rating, Add	428.64	
			For Class 55 Rating, Add	952.72	
40 05 19 00-2434	EA		24" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,741.35	1,192.40
			For Class 52 Rating, Deduct	-652.81	
			For Class 54 Rating, Add	445.10	
			For Class 55 Rating, Add	989.31	
40 05 19 00-2435	EA		24" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,966.72	1,196.27
			For Class 52 Rating, Deduct	-676.96	
			For Class 54 Rating, Add	461.56	
			For Class 55 Rating, Add	1,025.90	
40 05 19 00-2436	EA		24" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,192.08	1,200.15
			For Class 52 Rating, Deduct	-701.10	
			For Class 54 Rating, Add	478.03	
			For Class 55 Rating, Add	1,062.49	
40 05 19 00-2437	EA		24" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,417.44	1,204.02
			For Class 52 Rating, Deduct	-725.25	
			For Class 54 Rating, Add	494.49	
			For Class 55 Rating, Add	1,099.08	
40 05 19 00-2438	EA		24" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,642.80	1,207.89
			For Class 52 Rating, Deduct	-749.39	
			For Class 54 Rating, Add	510.95	
			For Class 55 Rating, Add	1,135.67	
40 05 19 00-2439	EA		24" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,868.17	1,211.76
			For Class 52 Rating, Deduct	-773.54	
			For Class 54 Rating, Add	527.41	
			For Class 55 Rating, Add	1,172.26	
40 05 19 00-2440	EA		24" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,093.53	1,215.63
			For Class 52 Rating, Deduct	-797.68	
			For Class 54 Rating, Add	543.87	
			For Class 55 Rating, Add	1,208.85	
40 05 19 00-2441	EA		24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,318.89	1,219.50
			For Class 52 Rating, Deduct	-821.83	
			For Class 54 Rating, Add	560.34	
			For Class 55 Rating, Add	1,245.44	
40 05 19 00-2442	EA		24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,544.25	1,223.37
			For Class 52 Rating, Deduct	-845.97	
			For Class 54 Rating, Add	576.80	
			For Class 55 Rating, Add	1,282.03	
40 05 19 00-2443	EA		24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,769.61	1,227.24
			For Class 52 Rating, Deduct	-870.12	
			For Class 54 Rating, Add	593.26	
			For Class 55 Rating, Add	1,318.62	
40 05 19 00-2444	EA		24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,994.98	1,231.12
			For Class 52 Rating, Deduct	-894.26	
			For Class 54 Rating, Add	609.72	
			For Class 55 Rating, Add	1,355.21	
40 05 19 00-2445	EA		24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,220.33	1,234.99
			For Class 52 Rating, Deduct	-918.41	
			For Class 54 Rating, Add	626.19	
			For Class 55 Rating, Add	1,391.80	
40 05 19 00-2446	EA		24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,445.70	1,238.86
			For Class 52 Rating, Deduct	-942.55	
			For Class 54 Rating, Add	642.65	
			For Class 55 Rating, Add	1,428.39	
40 05 19 00-2447	EA		24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,770.78	1,308.55
			For Class 52 Rating, Deduct	-966.70	
			For Class 54 Rating, Add	659.11	
			For Class 55 Rating, Add	1,464.98	
40 05 19 00-2448	EA		24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,996.14	1,312.42
			For Class 52 Rating, Deduct	-990.84	
			For Class 54 Rating, Add	675.57	
			For Class 55 Rating, Add	1,501.57	
40 05 19 00-2449	EA		24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,221.51	1,316.29
			For Class 52 Rating, Deduct	-1,014.98	
			For Class 54 Rating, Add	692.03	
			For Class 55 Rating, Add	1,538.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2450	EA		24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,446.86	1,320.16
			<i>For Class 52 Rating, Deduct</i>	-1,039.13	
			<i>For Class 54 Rating, Add</i>	708.50	
			<i>For Class 55 Rating, Add</i>	1,574.75	
40 05 19 00-2451	EA		24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,672.23	1,324.04
			<i>For Class 52 Rating, Deduct</i>	-1,063.27	
			<i>For Class 54 Rating, Add</i>	724.96	
			<i>For Class 55 Rating, Add</i>	1,611.34	
40 05 19 00-2452	EA		24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,897.59	1,327.91
			<i>For Class 52 Rating, Deduct</i>	-1,087.42	
			<i>For Class 54 Rating, Add</i>	741.42	
			<i>For Class 55 Rating, Add</i>	1,647.93	
40 05 19 00-2453	EA		24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,122.95	1,331.77
			<i>For Class 52 Rating, Deduct</i>	-1,111.56	
			<i>For Class 54 Rating, Add</i>	757.88	
			<i>For Class 55 Rating, Add</i>	1,684.52	
40 05 19 00-2454	EA		24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,348.31	1,335.64
			<i>For Class 52 Rating, Deduct</i>	-1,135.71	
			<i>For Class 54 Rating, Add</i>	774.35	
			<i>For Class 55 Rating, Add</i>	1,721.11	
40 05 19 00-2455	EA		24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,573.68	1,339.52
			<i>For Class 52 Rating, Deduct</i>	-1,159.85	
			<i>For Class 54 Rating, Add</i>	790.81	
			<i>For Class 55 Rating, Add</i>	1,757.70	
40 05 19 00-2456			30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-2060)</small>		
40 05 19 00-2457	EA		30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,251.69	1,595.04
			<i>For Class 52 Rating, Deduct</i>	-421.85	
			<i>For Class 54 Rating, Add</i>	287.62	
			<i>For Class 55 Rating, Add</i>	639.29	
40 05 19 00-2458	EA		30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,572.31	1,598.91
			<i>For Class 52 Rating, Deduct</i>	-456.47	
			<i>For Class 54 Rating, Add</i>	311.23	
			<i>For Class 55 Rating, Add</i>	691.76	
40 05 19 00-2459	EA		30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,892.92	1,602.77
			<i>For Class 52 Rating, Deduct</i>	-491.09	
			<i>For Class 54 Rating, Add</i>	334.84	
			<i>For Class 55 Rating, Add</i>	744.23	
40 05 19 00-2460	EA		30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,213.54	1,606.64
			<i>For Class 52 Rating, Deduct</i>	-525.71	
			<i>For Class 54 Rating, Add</i>	358.44	
			<i>For Class 55 Rating, Add</i>	796.70	
40 05 19 00-2461	EA		30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,534.15	1,610.52
			<i>For Class 52 Rating, Deduct</i>	-560.34	
			<i>For Class 54 Rating, Add</i>	382.05	
			<i>For Class 55 Rating, Add</i>	849.16	
40 05 19 00-2462	EA		30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,854.77	1,614.39
			<i>For Class 52 Rating, Deduct</i>	-594.96	
			<i>For Class 54 Rating, Add</i>	405.65	
			<i>For Class 55 Rating, Add</i>	901.63	
40 05 19 00-2463	EA		30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,175.38	1,618.26
			<i>For Class 52 Rating, Deduct</i>	-629.58	
			<i>For Class 54 Rating, Add</i>	429.26	
			<i>For Class 55 Rating, Add</i>	954.10	
40 05 19 00-2464	EA		30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,496.00	1,622.13
			<i>For Class 52 Rating, Deduct</i>	-664.20	
			<i>For Class 54 Rating, Add</i>	452.87	
			<i>For Class 55 Rating, Add</i>	1,006.57	
40 05 19 00-2465	EA		30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,816.62	1,626.01
			<i>For Class 52 Rating, Deduct</i>	-698.83	
			<i>For Class 54 Rating, Add</i>	476.47	
			<i>For Class 55 Rating, Add</i>	1,059.04	
40 05 19 00-2466	EA		30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,137.23	1,629.88
			<i>For Class 52 Rating, Deduct</i>	-733.45	
			<i>For Class 54 Rating, Add</i>	500.08	
			<i>For Class 55 Rating, Add</i>	1,111.51	
40 05 19 00-2467	EA		30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,457.85	1,633.75
			<i>For Class 52 Rating, Deduct</i>	-768.07	
			<i>For Class 54 Rating, Add</i>	523.69	
			<i>For Class 55 Rating, Add</i>	1,163.98	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2468	EA		30" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,778.46	1,637.62
			For Class 52 Rating, Deduct	-802.69	
			For Class 54 Rating, Add	547.29	
			For Class 55 Rating, Add	1,216.45	
40 05 19 00-2469	EA		30" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,099.08	1,641.49
			For Class 52 Rating, Deduct	-837.32	
			For Class 54 Rating, Add	570.90	
			For Class 55 Rating, Add	1,268.92	
40 05 19 00-2470	EA		30" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,419.69	1,645.36
			For Class 52 Rating, Deduct	-871.94	
			For Class 54 Rating, Add	594.50	
			For Class 55 Rating, Add	1,321.38	
40 05 19 00-2471	EA		30" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,740.31	1,649.23
			For Class 52 Rating, Deduct	-906.56	
			For Class 54 Rating, Add	618.11	
			For Class 55 Rating, Add	1,373.85	
40 05 19 00-2472	EA		30" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,060.93	1,653.10
			For Class 52 Rating, Deduct	-941.18	
			For Class 54 Rating, Add	641.72	
			For Class 55 Rating, Add	1,426.32	
40 05 19 00-2473	EA		30" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,381.53	1,656.98
			For Class 52 Rating, Deduct	-975.81	
			For Class 54 Rating, Add	665.32	
			For Class 55 Rating, Add	1,478.79	
40 05 19 00-2474	EA		30" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,702.15	1,660.85
			For Class 52 Rating, Deduct	-1,010.43	
			For Class 54 Rating, Add	688.93	
			For Class 55 Rating, Add	1,531.26	
40 05 19 00-2475	EA		30" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,022.76	1,664.72
			For Class 52 Rating, Deduct	-1,045.05	
			For Class 54 Rating, Add	712.53	
			For Class 55 Rating, Add	1,583.73	
40 05 19 00-2476	EA		30" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,343.38	1,668.59
			For Class 52 Rating, Deduct	-1,079.67	
			For Class 54 Rating, Add	736.14	
			For Class 55 Rating, Add	1,636.20	
40 05 19 00-2477	EA		30" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,663.99	1,672.47
			For Class 52 Rating, Deduct	-1,114.30	
			For Class 54 Rating, Add	759.75	
			For Class 55 Rating, Add	1,688.66	
40 05 19 00-2478	EA		30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,984.61	1,676.34
			For Class 52 Rating, Deduct	-1,148.92	
			For Class 54 Rating, Add	783.35	
			For Class 55 Rating, Add	1,741.13	
40 05 19 00-2479	EA		30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,305.23	1,680.20
			For Class 52 Rating, Deduct	-1,183.54	
			For Class 54 Rating, Add	806.96	
			For Class 55 Rating, Add	1,793.60	
40 05 19 00-2480	EA		30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,625.84	1,684.07
			For Class 52 Rating, Deduct	-1,218.16	
			For Class 54 Rating, Add	830.57	
			For Class 55 Rating, Add	1,846.07	
40 05 19 00-2481	EA		30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,946.46	1,687.95
			For Class 52 Rating, Deduct	-1,252.79	
			For Class 54 Rating, Add	854.17	
			For Class 55 Rating, Add	1,898.54	
40 05 19 00-2482	EA		30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,267.07	1,691.82
			For Class 52 Rating, Deduct	-1,287.41	
			For Class 54 Rating, Add	877.78	
			For Class 55 Rating, Add	1,951.01	
40 05 19 00-2483	EA		30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,587.69	1,695.69
			For Class 52 Rating, Deduct	-1,322.03	
			For Class 54 Rating, Add	901.38	
			For Class 55 Rating, Add	2,003.48	
40 05 19 00-2484	EA		30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,908.30	1,699.56
			For Class 52 Rating, Deduct	-1,356.65	
			For Class 54 Rating, Add	924.99	
			For Class 55 Rating, Add	2,055.95	
40 05 19 00-2485	EA		30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,228.92	1,703.44
			For Class 52 Rating, Deduct	-1,391.28	
			For Class 54 Rating, Add	948.60	
			For Class 55 Rating, Add	2,108.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2486	EA		30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,549.54	1,707.31
			For Class 52 Rating, Deduct	-1,425.90	
			For Class 54 Rating, Add	972.20	
			For Class 55 Rating, Add	2,160.88	
40 05 19 00-2487	EA		30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,870.15	1,711.18
			For Class 52 Rating, Deduct	-1,460.52	
			For Class 54 Rating, Add	995.81	
			For Class 55 Rating, Add	2,213.35	
40 05 19 00-2488	EA		30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,190.77	1,715.05
			For Class 52 Rating, Deduct	-1,495.14	
			For Class 54 Rating, Add	1,019.42	
			For Class 55 Rating, Add	2,265.82	
40 05 19 00-2489	EA		30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,511.38	1,718.91
			For Class 52 Rating, Deduct	-1,529.77	
			For Class 54 Rating, Add	1,043.02	
			For Class 55 Rating, Add	2,318.29	
40 05 19 00-2490	EA		30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,831.99	1,722.79
			For Class 52 Rating, Deduct	-1,564.39	
			For Class 54 Rating, Add	1,066.63	
			For Class 55 Rating, Add	2,370.76	
40 05 19 00-2491	EA		30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,152.60	1,726.66
			For Class 52 Rating, Deduct	-1,599.01	
			For Class 54 Rating, Add	1,090.23	
			For Class 55 Rating, Add	2,423.23	
40 05 19 00-2492			36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-2060)</small>		
40 05 19 00-2493	EA		36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,529.69	2,020.90
			For Class 52 Rating, Deduct	-601.45	
			For Class 54 Rating, Add	410.08	
			For Class 55 Rating, Add	911.47	
40 05 19 00-2494	EA		36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,957.98	2,024.76
			For Class 52 Rating, Deduct	-647.92	
			For Class 54 Rating, Add	441.76	
			For Class 55 Rating, Add	981.89	
40 05 19 00-2495	EA		36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,386.27	2,028.63
			For Class 52 Rating, Deduct	-694.38	
			For Class 54 Rating, Add	473.44	
			For Class 55 Rating, Add	1,052.31	
40 05 19 00-2496	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,814.57	2,032.50
			For Class 52 Rating, Deduct	-740.85	
			For Class 54 Rating, Add	505.13	
			For Class 55 Rating, Add	1,122.73	
40 05 19 00-2497	EA		36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,242.85	2,036.38
			For Class 52 Rating, Deduct	-787.32	
			For Class 54 Rating, Add	536.81	
			For Class 55 Rating, Add	1,193.15	
40 05 19 00-2498	EA		36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,671.15	2,040.25
			For Class 52 Rating, Deduct	-833.79	
			For Class 54 Rating, Add	568.49	
			For Class 55 Rating, Add	1,263.56	
40 05 19 00-2499	EA		36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,099.45	2,044.12
			For Class 52 Rating, Deduct	-880.25	
			For Class 54 Rating, Add	600.17	
			For Class 55 Rating, Add	1,333.98	
40 05 19 00-2500	EA		36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,527.73	2,047.99
			For Class 52 Rating, Deduct	-926.72	
			For Class 54 Rating, Add	631.85	
			For Class 55 Rating, Add	1,404.40	
40 05 19 00-2501	EA		36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,956.03	2,051.86
			For Class 52 Rating, Deduct	-973.19	
			For Class 54 Rating, Add	663.54	
			For Class 55 Rating, Add	1,474.82	
40 05 19 00-2502	EA		36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,384.32	2,055.74
			For Class 52 Rating, Deduct	-1,019.65	
			For Class 54 Rating, Add	695.22	
			For Class 55 Rating, Add	1,545.24	
40 05 19 00-2503	EA		36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,812.61	2,059.61
			For Class 52 Rating, Deduct	-1,066.12	
			For Class 54 Rating, Add	726.90	
			For Class 55 Rating, Add	1,615.66	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2504	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,240.91	2,063.47
		<i>For Class 52 Rating, Deduct</i>	-1,112.59	
		<i>For Class 54 Rating, Add</i>	758.58	
		<i>For Class 55 Rating, Add</i>	1,686.08	
40 05 19 00-2505	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,669.20	2,067.34
		<i>For Class 52 Rating, Deduct</i>	-1,159.05	
		<i>For Class 54 Rating, Add</i>	790.26	
		<i>For Class 55 Rating, Add</i>	1,756.49	
40 05 19 00-2506	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,097.50	2,071.22
		<i>For Class 52 Rating, Deduct</i>	-1,205.52	
		<i>For Class 54 Rating, Add</i>	821.95	
		<i>For Class 55 Rating, Add</i>	1,826.91	
40 05 19 00-2507	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,525.79	2,075.09
		<i>For Class 52 Rating, Deduct</i>	-1,251.99	
		<i>For Class 54 Rating, Add</i>	853.63	
		<i>For Class 55 Rating, Add</i>	1,897.33	
40 05 19 00-2508	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,954.09	2,078.96
		<i>For Class 52 Rating, Deduct</i>	-1,298.46	
		<i>For Class 54 Rating, Add</i>	885.31	
		<i>For Class 55 Rating, Add</i>	1,967.75	
40 05 19 00-2509	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,382.38	2,082.83
		<i>For Class 52 Rating, Deduct</i>	-1,344.92	
		<i>For Class 54 Rating, Add</i>	916.99	
		<i>For Class 55 Rating, Add</i>	2,038.17	
40 05 19 00-2510	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,810.67	2,086.71
		<i>For Class 52 Rating, Deduct</i>	-1,391.39	
		<i>For Class 54 Rating, Add</i>	948.67	
		<i>For Class 55 Rating, Add</i>	2,108.59	
40 05 19 00-2511	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,238.97	2,090.58
		<i>For Class 52 Rating, Deduct</i>	-1,437.86	
		<i>For Class 54 Rating, Add</i>	980.36	
		<i>For Class 55 Rating, Add</i>	2,179.01	
40 05 19 00-2512	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,667.26	2,094.45
		<i>For Class 52 Rating, Deduct</i>	-1,484.32	
		<i>For Class 54 Rating, Add</i>	1,012.04	
		<i>For Class 55 Rating, Add</i>	2,249.42	
40 05 19 00-2513	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,095.55	2,098.32
		<i>For Class 52 Rating, Deduct</i>	-1,530.79	
		<i>For Class 54 Rating, Add</i>	1,043.72	
		<i>For Class 55 Rating, Add</i>	2,319.84	
40 05 19 00-2514	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,523.84	2,102.19
		<i>For Class 52 Rating, Deduct</i>	-1,577.26	
		<i>For Class 54 Rating, Add</i>	1,075.40	
		<i>For Class 55 Rating, Add</i>	2,390.26	
40 05 19 00-2515	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,952.14	2,106.06
		<i>For Class 52 Rating, Deduct</i>	-1,623.72	
		<i>For Class 54 Rating, Add</i>	1,107.08	
		<i>For Class 55 Rating, Add</i>	2,460.68	
40 05 19 00-2516	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,380.42	2,109.93
		<i>For Class 52 Rating, Deduct</i>	-1,670.19	
		<i>For Class 54 Rating, Add</i>	1,138.77	
		<i>For Class 55 Rating, Add</i>	2,531.10	
40 05 19 00-2517	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,808.72	2,113.80
		<i>For Class 52 Rating, Deduct</i>	-1,716.66	
		<i>For Class 54 Rating, Add</i>	1,170.45	
		<i>For Class 55 Rating, Add</i>	2,601.52	
40 05 19 00-2518	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,237.02	2,117.68
		<i>For Class 52 Rating, Deduct</i>	-1,763.13	
		<i>For Class 54 Rating, Add</i>	1,202.13	
		<i>For Class 55 Rating, Add</i>	2,671.94	
40 05 19 00-2519	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,665.31	2,121.55
		<i>For Class 52 Rating, Deduct</i>	-1,809.59	
		<i>For Class 54 Rating, Add</i>	1,233.81	
		<i>For Class 55 Rating, Add</i>	2,742.36	
40 05 19 00-2520	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,093.60	2,125.42
		<i>For Class 52 Rating, Deduct</i>	-1,856.06	
		<i>For Class 54 Rating, Add</i>	1,265.49	
		<i>For Class 55 Rating, Add</i>	2,812.77	
40 05 19 00-2521	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,521.89	2,129.29
		<i>For Class 52 Rating, Deduct</i>	-1,902.53	
		<i>For Class 54 Rating, Add</i>	1,297.18	
		<i>For Class 55 Rating, Add</i>	2,883.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2522	EA		36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,950.19	2,133.17
			For Class 52 Rating, Deduct	-1,948.99	
			For Class 54 Rating, Add	1,328.86	
			For Class 55 Rating, Add	2,953.61	
40 05 19 00-2523	EA		36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,378.47	2,137.04
			For Class 52 Rating, Deduct	-1,995.46	
			For Class 54 Rating, Add	1,360.54	
			For Class 55 Rating, Add	3,024.03	
40 05 19 00-2524	EA		36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,806.77	2,140.90
			For Class 52 Rating, Deduct	-2,041.93	
			For Class 54 Rating, Add	1,392.22	
			For Class 55 Rating, Add	3,094.45	
40 05 19 00-2525	EA		36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,235.07	2,144.77
			For Class 52 Rating, Deduct	-2,088.39	
			For Class 54 Rating, Add	1,423.91	
			For Class 55 Rating, Add	3,164.87	
40 05 19 00-2526	EA		36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,663.35	2,148.65
			For Class 52 Rating, Deduct	-2,134.86	
			For Class 54 Rating, Add	1,455.59	
			For Class 55 Rating, Add	3,235.28	
40 05 19 00-2527	EA		36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,091.65	2,152.52
			For Class 52 Rating, Deduct	-2,181.33	
			For Class 54 Rating, Add	1,487.27	
			For Class 55 Rating, Add	3,305.70	
40 05 19 00-2528			42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-2060)</small>		
40 05 19 00-2529	EA		42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,153.81	2,547.41
			For Class 52 Rating, Deduct	-802.35	
			For Class 54 Rating, Add	547.06	
			For Class 55 Rating, Add	1,215.93	
40 05 19 00-2530	EA		42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,780.90	2,551.28
			For Class 52 Rating, Deduct	-870.69	
			For Class 54 Rating, Add	593.65	
			For Class 55 Rating, Add	1,319.49	
40 05 19 00-2531	EA		42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,402.81	2,555.15
			For Class 52 Rating, Deduct	-938.45	
			For Class 54 Rating, Add	639.85	
			For Class 55 Rating, Add	1,422.18	
40 05 19 00-2532	EA		42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,030.92	2,559.02
			For Class 52 Rating, Deduct	-1,006.90	
			For Class 54 Rating, Add	686.52	
			For Class 55 Rating, Add	1,525.91	
40 05 19 00-2533	EA		42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,654.90	2,562.90
			For Class 52 Rating, Deduct	-1,074.89	
			For Class 54 Rating, Add	732.88	
			For Class 55 Rating, Add	1,628.95	
40 05 19 00-2534	EA		42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,285.08	2,566.76
			For Class 52 Rating, Deduct	-1,143.57	
			For Class 54 Rating, Add	779.70	
			For Class 55 Rating, Add	1,733.02	
40 05 19 00-2535	EA		42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,909.06	2,570.63
			For Class 52 Rating, Deduct	-1,211.56	
			For Class 54 Rating, Add	826.06	
			For Class 55 Rating, Add	1,836.06	
40 05 19 00-2536	EA		42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,540.28	2,574.50
			For Class 52 Rating, Deduct	-1,280.35	
			For Class 54 Rating, Add	872.96	
			For Class 55 Rating, Add	1,940.31	
40 05 19 00-2537	EA		42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,166.33	2,578.38
			For Class 52 Rating, Deduct	-1,348.57	
			For Class 54 Rating, Add	919.48	
			For Class 55 Rating, Add	2,043.69	
40 05 19 00-2538	EA		42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,797.56	2,582.25
			For Class 52 Rating, Deduct	-1,417.36	
			For Class 54 Rating, Add	966.38	
			For Class 55 Rating, Add	2,147.94	
40 05 19 00-2539	EA		42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,423.60	2,586.12
			For Class 52 Rating, Deduct	-1,485.58	
			For Class 54 Rating, Add	1,012.89	
			For Class 55 Rating, Add	2,251.32	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
40 05 19 00-2540	EA		42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,055.86	2,589.99
			For Class 52 Rating, Deduct	-1,554.48	
			For Class 54 Rating, Add	1,059.87	
			For Class 55 Rating, Add	2,355.74	
40 05 19 00-2541	EA		42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,681.90	2,593.87
			For Class 52 Rating, Deduct	-1,622.70	
			For Class 54 Rating, Add	1,106.39	
			For Class 55 Rating, Add	2,459.13	
40 05 19 00-2542	EA		42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,310.02	2,597.74
			For Class 52 Rating, Deduct	-1,691.15	
			For Class 54 Rating, Add	1,153.05	
			For Class 55 Rating, Add	2,562.86	
40 05 19 00-2543	EA		42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,941.24	2,601.61
			For Class 52 Rating, Deduct	-1,759.94	
			For Class 54 Rating, Add	1,199.96	
			For Class 55 Rating, Add	2,667.10	
40 05 19 00-2544	EA		42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,568.32	2,605.47
			For Class 52 Rating, Deduct	-1,828.27	
			For Class 54 Rating, Add	1,246.55	
			For Class 55 Rating, Add	2,770.66	
40 05 19 00-2545	EA		42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,202.66	2,609.35
			For Class 52 Rating, Deduct	-1,897.40	
			For Class 54 Rating, Add	1,293.68	
			For Class 55 Rating, Add	2,875.42	
40 05 19 00-2546	EA		42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,830.77	2,613.22
			For Class 52 Rating, Deduct	-1,965.85	
			For Class 54 Rating, Add	1,340.35	
			For Class 55 Rating, Add	2,979.15	
40 05 19 00-2547	EA		42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,464.07	2,617.09
			For Class 52 Rating, Deduct	-2,034.87	
			For Class 54 Rating, Add	1,387.41	
			For Class 55 Rating, Add	3,083.75	
40 05 19 00-2548	EA		42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,091.14	2,620.96
			For Class 52 Rating, Deduct	-2,103.20	
			For Class 54 Rating, Add	1,434.00	
			For Class 55 Rating, Add	3,187.30	
40 05 19 00-2549	EA		42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,726.51	2,624.84
			For Class 52 Rating, Deduct	-2,172.44	
			For Class 54 Rating, Add	1,481.21	
			For Class 55 Rating, Add	3,292.24	
40 05 19 00-2550	EA		42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,354.62	2,628.71
			For Class 52 Rating, Deduct	-2,240.89	
			For Class 54 Rating, Add	1,527.88	
			For Class 55 Rating, Add	3,395.97	
40 05 19 00-2551	EA		42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,987.92	2,632.58
			For Class 52 Rating, Deduct	-2,309.91	
			For Class 54 Rating, Add	1,574.94	
			For Class 55 Rating, Add	3,500.56	
40 05 19 00-2552	EA		42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,616.04	2,636.45
			For Class 52 Rating, Deduct	-2,378.36	
			For Class 54 Rating, Add	1,621.61	
			For Class 55 Rating, Add	3,604.29	
40 05 19 00-2553	EA		42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,251.40	2,640.33
			For Class 52 Rating, Deduct	-2,447.60	
			For Class 54 Rating, Add	1,668.82	
			For Class 55 Rating, Add	3,709.23	
40 05 19 00-2554	EA		42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,879.52	2,644.19
			For Class 52 Rating, Deduct	-2,516.05	
			For Class 54 Rating, Add	1,715.49	
			For Class 55 Rating, Add	3,812.96	
40 05 19 00-2555	EA		42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,512.81	2,648.06
			For Class 52 Rating, Deduct	-2,585.07	
			For Class 54 Rating, Add	1,762.55	
			For Class 55 Rating, Add	3,917.55	
40 05 19 00-2556	EA		42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,141.97	2,651.93
			For Class 52 Rating, Deduct	-2,653.63	
			For Class 54 Rating, Add	1,809.29	
			For Class 55 Rating, Add	4,021.45	
40 05 19 00-2557	EA		42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,852.06	2,655.81
			For Class 52 Rating, Deduct	-2,709.09	
			For Class 54 Rating, Add	1,847.11	
			For Class 55 Rating, Add	4,105.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2558	EA		42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,405.45	2,659.68
			For Class 52 Rating, Deduct	-2,791.32	
			For Class 54 Rating, Add	1,903.17	
			For Class 55 Rating, Add	4,230.12	
40 05 19 00-2559	EA		42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,033.57	2,663.55
			For Class 52 Rating, Deduct	-2,859.77	
			For Class 54 Rating, Add	1,949.84	
			For Class 55 Rating, Add	4,333.85	
40 05 19 00-2560	EA		42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,667.89	2,667.42
			For Class 52 Rating, Deduct	-2,928.90	
			For Class 54 Rating, Add	1,996.98	
			For Class 55 Rating, Add	4,438.61	
40 05 19 00-2561	EA		42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,297.06	2,671.30
			For Class 52 Rating, Deduct	-2,997.46	
			For Class 54 Rating, Add	2,043.72	
			For Class 55 Rating, Add	4,542.51	
40 05 19 00-2562	EA		42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,932.42	2,675.17
			For Class 52 Rating, Deduct	-3,066.71	
			For Class 54 Rating, Add	2,090.94	
			For Class 55 Rating, Add	4,647.45	
40 05 19 00-2563	EA		42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,559.50	2,679.03
			For Class 52 Rating, Deduct	-3,135.04	
			For Class 54 Rating, Add	2,137.53	
			For Class 55 Rating, Add	4,751.01	
40 05 19 00-2564			48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-2060)</small>		
40 05 19 00-2565	EA		48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,996.36	3,201.68
			For Class 52 Rating, Deduct	-1,005.99	
			For Class 54 Rating, Add	685.90	
			For Class 55 Rating, Add	1,524.53	
40 05 19 00-2566	EA		48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,890.56	3,205.55
			For Class 52 Rating, Deduct	-1,103.70	
			For Class 54 Rating, Add	752.53	
			For Class 55 Rating, Add	1,672.61	
40 05 19 00-2567	EA		48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,786.84	3,209.43
			For Class 52 Rating, Deduct	-1,201.65	
			For Class 54 Rating, Add	819.31	
			For Class 55 Rating, Add	1,821.04	
40 05 19 00-2568	EA		48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,693.47	3,213.30
			For Class 52 Rating, Deduct	-1,300.73	
			For Class 54 Rating, Add	886.86	
			For Class 55 Rating, Add	1,971.20	
40 05 19 00-2569	EA		48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,596.99	3,217.17
			For Class 52 Rating, Deduct	-1,399.48	
			For Class 54 Rating, Add	954.19	
			For Class 55 Rating, Add	2,120.84	
40 05 19 00-2570	EA		48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,502.58	3,221.03
			For Class 52 Rating, Deduct	-1,498.45	
			For Class 54 Rating, Add	1,021.67	
			For Class 55 Rating, Add	2,270.83	
40 05 19 00-2571	EA		48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,414.39	3,224.91
			For Class 52 Rating, Deduct	-1,598.10	
			For Class 54 Rating, Add	1,089.61	
			For Class 55 Rating, Add	2,421.85	
40 05 19 00-2572	EA		48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,324.13	3,228.78
			For Class 52 Rating, Deduct	-1,697.52	
			For Class 54 Rating, Add	1,157.40	
			For Class 55 Rating, Add	2,572.52	
40 05 19 00-2573	EA		48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,232.82	3,232.65
			For Class 52 Rating, Deduct	-1,796.84	
			For Class 54 Rating, Add	1,225.12	
			For Class 55 Rating, Add	2,723.02	
40 05 19 00-2574	EA		48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,150.85	3,236.52
			For Class 52 Rating, Deduct	-1,897.17	
			For Class 54 Rating, Add	1,293.53	
			For Class 55 Rating, Add	2,875.08	
40 05 19 00-2575	EA		48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,062.65	3,240.39
			For Class 52 Rating, Deduct	-1,996.83	
			For Class 54 Rating, Add	1,361.47	
			For Class 55 Rating, Add	3,026.10	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2576	EA		48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,981.70	3,244.27
			For Class 52 Rating, Deduct	-2,097.28	
			For Class 54 Rating, Add	1,429.96	
			For Class 55 Rating, Add	3,178.33	
40 05 19 00-2577	EA		48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,895.59	3,248.14
			For Class 52 Rating, Deduct	-2,197.16	
			For Class 54 Rating, Add	1,498.06	
			For Class 55 Rating, Add	3,329.69	
40 05 19 00-2578	EA		48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,810.49	3,252.01
			For Class 52 Rating, Deduct	-2,297.15	
			For Class 54 Rating, Add	1,566.24	
			For Class 55 Rating, Add	3,481.23	
40 05 19 00-2579	EA		48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,731.62	3,255.88
			For Class 52 Rating, Deduct	-2,397.83	
			For Class 54 Rating, Add	1,634.89	
			For Class 55 Rating, Add	3,633.80	
40 05 19 00-2580	EA		48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,648.61	3,259.75
			For Class 52 Rating, Deduct	-2,498.05	
			For Class 54 Rating, Add	1,703.22	
			For Class 55 Rating, Add	3,785.69	
40 05 19 00-2581	EA		48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,564.56	3,263.62
			For Class 52 Rating, Deduct	-2,598.16	
			For Class 54 Rating, Add	1,771.48	
			For Class 55 Rating, Add	3,937.40	
40 05 19 00-2582	EA		48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,487.75	3,267.49
			For Class 52 Rating, Deduct	-2,699.07	
			For Class 54 Rating, Add	1,840.28	
			For Class 55 Rating, Add	4,090.32	
40 05 19 00-2583	EA		48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,405.77	3,271.36
			For Class 52 Rating, Deduct	-2,799.41	
			For Class 54 Rating, Add	1,908.69	
			For Class 55 Rating, Add	4,242.37	
40 05 19 00-2584	EA		48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,322.76	3,275.24
			For Class 52 Rating, Deduct	-2,899.63	
			For Class 54 Rating, Add	1,977.02	
			For Class 55 Rating, Add	4,394.26	
40 05 19 00-2585	EA		48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,246.98	3,279.11
			For Class 52 Rating, Deduct	-3,000.65	
			For Class 54 Rating, Add	2,045.90	
			For Class 55 Rating, Add	4,547.35	
40 05 19 00-2586	EA		48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,167.07	3,282.98
			For Class 52 Rating, Deduct	-3,101.21	
			For Class 54 Rating, Add	2,114.46	
			For Class 55 Rating, Add	4,699.75	
40 05 19 00-2587	EA		48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,085.08	3,286.85
			For Class 52 Rating, Deduct	-3,201.55	
			For Class 54 Rating, Add	2,182.88	
			For Class 55 Rating, Add	4,851.80	
40 05 19 00-2588	EA		48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,010.35	3,290.73
			For Class 52 Rating, Deduct	-3,302.68	
			For Class 54 Rating, Add	2,251.83	
			For Class 55 Rating, Add	5,005.07	
40 05 19 00-2589	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,930.44	3,294.60
			For Class 52 Rating, Deduct	-3,403.25	
			For Class 54 Rating, Add	2,320.40	
			For Class 55 Rating, Add	5,157.47	
40 05 19 00-2590	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,849.50	3,298.46
			For Class 52 Rating, Deduct	-3,503.70	
			For Class 54 Rating, Add	2,388.89	
			For Class 55 Rating, Add	5,309.70	
40 05 19 00-2591	EA		48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,775.80	3,302.33
			For Class 52 Rating, Deduct	-3,604.95	
			For Class 54 Rating, Add	2,457.92	
			For Class 55 Rating, Add	5,463.13	
40 05 19 00-2592	EA		48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,696.92	3,306.21
			For Class 52 Rating, Deduct	-3,705.63	
			For Class 54 Rating, Add	2,526.56	
			For Class 55 Rating, Add	5,615.71	
40 05 19 00-2593	EA		48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,510.37	3,310.08
			For Class 52 Rating, Deduct	-3,794.46	
			For Class 54 Rating, Add	2,587.13	
			For Class 55 Rating, Add	5,750.33	

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

40 05 19 00-2594	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,544.34	3,313.95
		For Class 52 Rating, Deduct	-3,907.55	
		For Class 54 Rating, Add	2,664.24	
		For Class 55 Rating, Add	5,921.72	
40 05 19 00-2595	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,464.43	3,317.82
		For Class 52 Rating, Deduct	-4,008.12	
		For Class 54 Rating, Add	2,732.81	
		For Class 55 Rating, Add	6,074.12	
40 05 19 00-2596	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,392.80	3,321.70
		For Class 52 Rating, Deduct	-4,109.59	
		For Class 54 Rating, Add	2,801.99	
		For Class 55 Rating, Add	6,227.90	
40 05 19 00-2597	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,312.89	3,325.57
		For Class 52 Rating, Deduct	-4,210.16	
		For Class 54 Rating, Add	2,870.56	
		For Class 55 Rating, Add	6,380.30	
40 05 19 00-2598	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,232.99	3,329.44
		For Class 52 Rating, Deduct	-4,310.72	
		For Class 54 Rating, Add	2,939.13	
		For Class 55 Rating, Add	6,532.70	
40 05 19 00-2599	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,162.39	3,333.31
		For Class 52 Rating, Deduct	-4,412.31	
		For Class 54 Rating, Add	3,008.39	
		For Class 55 Rating, Add	6,686.66	
40 05 19 00-2600		Flanged End x Grooved End (FxG), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2059)</small>		
40 05 19 00-2601		4" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2602	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	453.75	177.16
		For Class 52 Rating, Deduct	-20.39	
		For Class 54 Rating, Add	13.90	
		For Class 55 Rating, Add	30.89	
40 05 19 00-2603	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	497.78	180.26
		For Class 52 Rating, Deduct	-24.71	
		For Class 54 Rating, Add	16.85	
		For Class 55 Rating, Add	37.45	
40 05 19 00-2604	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	541.82	183.36
		For Class 52 Rating, Deduct	-29.04	
		For Class 54 Rating, Add	19.80	
		For Class 55 Rating, Add	44.01	
40 05 19 00-2605	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	585.86	186.46
		For Class 52 Rating, Deduct	-33.37	
		For Class 54 Rating, Add	22.75	
		For Class 55 Rating, Add	50.57	
40 05 19 00-2606	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	629.89	189.54
		For Class 52 Rating, Deduct	-37.70	
		For Class 54 Rating, Add	25.70	
		For Class 55 Rating, Add	57.13	
40 05 19 00-2607	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	673.93	192.64
		For Class 52 Rating, Deduct	-42.03	
		For Class 54 Rating, Add	28.65	
		For Class 55 Rating, Add	63.69	
40 05 19 00-2608	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	717.96	195.74
		For Class 52 Rating, Deduct	-46.35	
		For Class 54 Rating, Add	31.60	
		For Class 55 Rating, Add	70.25	
40 05 19 00-2609	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	762.00	198.84
		For Class 52 Rating, Deduct	-50.68	
		For Class 54 Rating, Add	34.56	
		For Class 55 Rating, Add	76.81	
40 05 19 00-2610	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	806.05	201.93
		For Class 52 Rating, Deduct	-55.01	
		For Class 54 Rating, Add	37.51	
		For Class 55 Rating, Add	83.36	
40 05 19 00-2611	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	850.08	205.03
		For Class 52 Rating, Deduct	-59.34	
		For Class 54 Rating, Add	40.46	
		For Class 55 Rating, Add	89.92	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2612	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	894.12	208.13
			<i>For Class 52 Rating, Deduct</i>	-63.66	
			<i>For Class 54 Rating, Add</i>	43.41	
			<i>For Class 55 Rating, Add</i>	96.48	
40 05 19 00-2613	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	938.15	211.23
			<i>For Class 52 Rating, Deduct</i>	-67.99	
			<i>For Class 54 Rating, Add</i>	46.36	
			<i>For Class 55 Rating, Add</i>	103.04	
40 05 19 00-2614	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	982.18	214.33
			<i>For Class 52 Rating, Deduct</i>	-72.32	
			<i>For Class 54 Rating, Add</i>	49.31	
			<i>For Class 55 Rating, Add</i>	109.60	
40 05 19 00-2615	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,026.23	217.42
			<i>For Class 52 Rating, Deduct</i>	-76.65	
			<i>For Class 54 Rating, Add</i>	52.26	
			<i>For Class 55 Rating, Add</i>	116.16	
40 05 19 00-2616	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,070.26	220.52
			<i>For Class 52 Rating, Deduct</i>	-80.98	
			<i>For Class 54 Rating, Add</i>	55.21	
			<i>For Class 55 Rating, Add</i>	122.71	
40 05 19 00-2617	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,114.29	223.62
			<i>For Class 52 Rating, Deduct</i>	-85.30	
			<i>For Class 54 Rating, Add</i>	58.16	
			<i>For Class 55 Rating, Add</i>	129.27	
40 05 19 00-2618	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,158.33	226.72
			<i>For Class 52 Rating, Deduct</i>	-89.63	
			<i>For Class 54 Rating, Add</i>	61.11	
			<i>For Class 55 Rating, Add</i>	135.83	
40 05 19 00-2619	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,202.36	229.81
			<i>For Class 52 Rating, Deduct</i>	-93.96	
			<i>For Class 54 Rating, Add</i>	64.06	
			<i>For Class 55 Rating, Add</i>	142.39	
40 05 19 00-2620	EA		4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,246.41	232.90
			<i>For Class 52 Rating, Deduct</i>	-98.29	
			<i>For Class 54 Rating, Add</i>	67.01	
			<i>For Class 55 Rating, Add</i>	148.95	
40 05 19 00-2621	EA		4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,290.44	236.00
			<i>For Class 52 Rating, Deduct</i>	-102.61	
			<i>For Class 54 Rating, Add</i>	69.96	
			<i>For Class 55 Rating, Add</i>	155.51	
40 05 19 00-2622	EA		4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,334.47	239.10
			<i>For Class 52 Rating, Deduct</i>	-106.94	
			<i>For Class 54 Rating, Add</i>	72.92	
			<i>For Class 55 Rating, Add</i>	162.07	
40 05 19 00-2623	EA		4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,378.51	242.20
			<i>For Class 52 Rating, Deduct</i>	-111.27	
			<i>For Class 54 Rating, Add</i>	75.87	
			<i>For Class 55 Rating, Add</i>	168.63	
40 05 19 00-2624	EA		4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,422.54	245.30
			<i>For Class 52 Rating, Deduct</i>	-115.60	
			<i>For Class 54 Rating, Add</i>	78.82	
			<i>For Class 55 Rating, Add</i>	175.18	
40 05 19 00-2625	EA		4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,466.58	248.39
			<i>For Class 52 Rating, Deduct</i>	-119.93	
			<i>For Class 54 Rating, Add</i>	81.77	
			<i>For Class 55 Rating, Add</i>	181.74	
40 05 19 00-2626	EA		4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,510.62	251.49
			<i>For Class 52 Rating, Deduct</i>	-124.25	
			<i>For Class 54 Rating, Add</i>	84.72	
			<i>For Class 55 Rating, Add</i>	188.30	
40 05 19 00-2627	EA		4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,554.66	254.59
			<i>For Class 52 Rating, Deduct</i>	-128.58	
			<i>For Class 54 Rating, Add</i>	87.67	
			<i>For Class 55 Rating, Add</i>	194.86	
40 05 19 00-2628	EA		4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,598.70	257.69
			<i>For Class 52 Rating, Deduct</i>	-132.91	
			<i>For Class 54 Rating, Add</i>	90.62	
			<i>For Class 55 Rating, Add</i>	201.42	
40 05 19 00-2629	EA		4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,642.73	260.79
			<i>For Class 52 Rating, Deduct</i>	-137.24	
			<i>For Class 54 Rating, Add</i>	93.57	
			<i>For Class 55 Rating, Add</i>	207.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2630	EA		4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,686.77	263.88
			<i>For Class 52 Rating, Deduct</i>	-141.56	
			<i>For Class 54 Rating, Add</i>	96.52	
			<i>For Class 55 Rating, Add</i>	214.53	
40 05 19 00-2631	EA		4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,730.81	266.97
			<i>For Class 52 Rating, Deduct</i>	-145.89	
			<i>For Class 54 Rating, Add</i>	99.47	
			<i>For Class 55 Rating, Add</i>	221.09	
40 05 19 00-2632	EA		4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,774.84	270.07
			<i>For Class 52 Rating, Deduct</i>	-150.22	
			<i>For Class 54 Rating, Add</i>	102.42	
			<i>For Class 55 Rating, Add</i>	227.65	
40 05 19 00-2633	EA		4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,818.87	273.17
			<i>For Class 52 Rating, Deduct</i>	-154.55	
			<i>For Class 54 Rating, Add</i>	105.37	
			<i>For Class 55 Rating, Add</i>	234.21	
40 05 19 00-2634	EA		4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,862.92	276.27
			<i>For Class 52 Rating, Deduct</i>	-158.88	
			<i>For Class 54 Rating, Add</i>	108.32	
			<i>For Class 55 Rating, Add</i>	240.77	
40 05 19 00-2635	EA		4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,906.95	279.36
			<i>For Class 52 Rating, Deduct</i>	-163.20	
			<i>For Class 54 Rating, Add</i>	111.28	
			<i>For Class 55 Rating, Add</i>	247.33	
40 05 19 00-2636	EA		4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,950.98	282.46
			<i>For Class 52 Rating, Deduct</i>	-167.53	
			<i>For Class 54 Rating, Add</i>	114.23	
			<i>For Class 55 Rating, Add</i>	253.89	
40 05 19 00-2637	EA		4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,995.02	285.56
			<i>For Class 52 Rating, Deduct</i>	-171.86	
			<i>For Class 54 Rating, Add</i>	117.18	
			<i>For Class 55 Rating, Add</i>	260.45	
40 05 19 00-2638	EA		4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,039.05	288.66
			<i>For Class 52 Rating, Deduct</i>	-176.19	
			<i>For Class 54 Rating, Add</i>	120.13	
			<i>For Class 55 Rating, Add</i>	267.00	
40 05 19 00-2639	EA		4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,072.74	291.76
			<i>For Class 52 Rating, Deduct</i>	-179.38	
			<i>For Class 54 Rating, Add</i>	122.30	
			<i>For Class 55 Rating, Add</i>	271.84	
40 05 19 00-2640	EA		4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,127.13	294.85
			<i>For Class 52 Rating, Deduct</i>	-184.84	
			<i>For Class 54 Rating, Add</i>	126.03	
			<i>For Class 55 Rating, Add</i>	280.12	
40 05 19 00-2641			6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2642	EA		6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	581.18	222.99
			<i>For Class 52 Rating, Deduct</i>	-26.76	
			<i>For Class 54 Rating, Add</i>	18.25	
			<i>For Class 55 Rating, Add</i>	40.56	
40 05 19 00-2643	EA		6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	631.43	226.09
			<i>For Class 52 Rating, Deduct</i>	-31.78	
			<i>For Class 54 Rating, Add</i>	21.67	
			<i>For Class 55 Rating, Add</i>	48.15	
40 05 19 00-2644	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	681.67	229.19
			<i>For Class 52 Rating, Deduct</i>	-36.79	
			<i>For Class 54 Rating, Add</i>	25.08	
			<i>For Class 55 Rating, Add</i>	55.75	
40 05 19 00-2645	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	731.93	232.29
			<i>For Class 52 Rating, Deduct</i>	-41.80	
			<i>For Class 54 Rating, Add</i>	28.50	
			<i>For Class 55 Rating, Add</i>	63.34	
40 05 19 00-2646	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	782.18	235.38
			<i>For Class 52 Rating, Deduct</i>	-46.81	
			<i>For Class 54 Rating, Add</i>	31.91	
			<i>For Class 55 Rating, Add</i>	70.94	
40 05 19 00-2647	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	832.43	238.48
			<i>For Class 52 Rating, Deduct</i>	-51.82	
			<i>For Class 54 Rating, Add</i>	35.33	
			<i>For Class 55 Rating, Add</i>	78.53	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2648	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	882.67	241.58
		<i>For Class 52 Rating, Deduct</i>	-56.83	
		<i>For Class 54 Rating, Add</i>	38.75	
		<i>For Class 55 Rating, Add</i>	86.12	
40 05 19 00-2649	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	932.92	244.68
		<i>For Class 52 Rating, Deduct</i>	-61.84	
		<i>For Class 54 Rating, Add</i>	42.17	
		<i>For Class 55 Rating, Add</i>	93.72	
40 05 19 00-2650	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	983.17	247.78
		<i>For Class 52 Rating, Deduct</i>	-66.85	
		<i>For Class 54 Rating, Add</i>	45.58	
		<i>For Class 55 Rating, Add</i>	101.31	
40 05 19 00-2651	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,033.42	250.86
		<i>For Class 52 Rating, Deduct</i>	-71.86	
		<i>For Class 54 Rating, Add</i>	49.00	
		<i>For Class 55 Rating, Add</i>	108.91	
40 05 19 00-2652	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,083.67	253.96
		<i>For Class 52 Rating, Deduct</i>	-76.88	
		<i>For Class 54 Rating, Add</i>	52.42	
		<i>For Class 55 Rating, Add</i>	116.50	
40 05 19 00-2653	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,133.91	257.06
		<i>For Class 52 Rating, Deduct</i>	-81.89	
		<i>For Class 54 Rating, Add</i>	55.83	
		<i>For Class 55 Rating, Add</i>	124.09	
40 05 19 00-2654	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,184.16	260.16
		<i>For Class 52 Rating, Deduct</i>	-86.90	
		<i>For Class 54 Rating, Add</i>	59.25	
		<i>For Class 55 Rating, Add</i>	131.69	
40 05 19 00-2655	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,234.41	263.26
		<i>For Class 52 Rating, Deduct</i>	-91.91	
		<i>For Class 54 Rating, Add</i>	62.67	
		<i>For Class 55 Rating, Add</i>	139.28	
40 05 19 00-2656	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,284.66	266.35
		<i>For Class 52 Rating, Deduct</i>	-96.92	
		<i>For Class 54 Rating, Add</i>	66.08	
		<i>For Class 55 Rating, Add</i>	146.88	
40 05 19 00-2657	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,334.91	269.45
		<i>For Class 52 Rating, Deduct</i>	-101.93	
		<i>For Class 54 Rating, Add</i>	69.50	
		<i>For Class 55 Rating, Add</i>	154.47	
40 05 19 00-2658	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,385.15	272.55
		<i>For Class 52 Rating, Deduct</i>	-106.94	
		<i>For Class 54 Rating, Add</i>	72.92	
		<i>For Class 55 Rating, Add</i>	162.07	
40 05 19 00-2659	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,435.40	275.65
		<i>For Class 52 Rating, Deduct</i>	-111.95	
		<i>For Class 54 Rating, Add</i>	76.33	
		<i>For Class 55 Rating, Add</i>	169.66	
40 05 19 00-2660	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,485.64	278.75
		<i>For Class 52 Rating, Deduct</i>	-116.96	
		<i>For Class 54 Rating, Add</i>	79.75	
		<i>For Class 55 Rating, Add</i>	177.25	
40 05 19 00-2661	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,535.90	281.84
		<i>For Class 52 Rating, Deduct</i>	-121.98	
		<i>For Class 54 Rating, Add</i>	83.17	
		<i>For Class 55 Rating, Add</i>	184.85	
40 05 19 00-2662	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,586.16	284.94
		<i>For Class 52 Rating, Deduct</i>	-126.99	
		<i>For Class 54 Rating, Add</i>	86.58	
		<i>For Class 55 Rating, Add</i>	192.44	
40 05 19 00-2663	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,636.40	288.04
		<i>For Class 52 Rating, Deduct</i>	-132.00	
		<i>For Class 54 Rating, Add</i>	90.00	
		<i>For Class 55 Rating, Add</i>	200.04	
40 05 19 00-2664	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,686.65	291.13
		<i>For Class 52 Rating, Deduct</i>	-137.01	
		<i>For Class 54 Rating, Add</i>	93.42	
		<i>For Class 55 Rating, Add</i>	207.63	
40 05 19 00-2665	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,736.89	294.23
		<i>For Class 52 Rating, Deduct</i>	-142.02	
		<i>For Class 54 Rating, Add</i>	96.83	
		<i>For Class 55 Rating, Add</i>	215.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2666	EA		6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,787.15	297.32
			<i>For Class 52 Rating, Deduct</i>	-147.03	
			<i>For Class 54 Rating, Add</i>	100.25	
			<i>For Class 55 Rating, Add</i>	222.82	
40 05 19 00-2667	EA		6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,837.40	300.42
			<i>For Class 52 Rating, Deduct</i>	-152.04	
			<i>For Class 54 Rating, Add</i>	103.67	
			<i>For Class 55 Rating, Add</i>	230.41	
40 05 19 00-2668	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,887.64	303.52
			<i>For Class 52 Rating, Deduct</i>	-157.05	
			<i>For Class 54 Rating, Add</i>	107.08	
			<i>For Class 55 Rating, Add</i>	238.01	
40 05 19 00-2669	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,937.89	306.62
			<i>For Class 52 Rating, Deduct</i>	-162.07	
			<i>For Class 54 Rating, Add</i>	110.50	
			<i>For Class 55 Rating, Add</i>	245.60	
40 05 19 00-2670	EA		6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,988.14	309.72
			<i>For Class 52 Rating, Deduct</i>	-167.08	
			<i>For Class 54 Rating, Add</i>	113.92	
			<i>For Class 55 Rating, Add</i>	253.20	
40 05 19 00-2671	EA		6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,038.39	312.81
			<i>For Class 52 Rating, Deduct</i>	-172.09	
			<i>For Class 54 Rating, Add</i>	117.33	
			<i>For Class 55 Rating, Add</i>	260.79	
40 05 19 00-2672	EA		6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,088.63	315.91
			<i>For Class 52 Rating, Deduct</i>	-177.10	
			<i>For Class 54 Rating, Add</i>	120.75	
			<i>For Class 55 Rating, Add</i>	268.38	
40 05 19 00-2673	EA		6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,138.88	319.01
			<i>For Class 52 Rating, Deduct</i>	-182.11	
			<i>For Class 54 Rating, Add</i>	124.17	
			<i>For Class 55 Rating, Add</i>	275.98	
40 05 19 00-2674	EA		6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,189.13	322.11
			<i>For Class 52 Rating, Deduct</i>	-187.12	
			<i>For Class 54 Rating, Add</i>	127.58	
			<i>For Class 55 Rating, Add</i>	283.57	
40 05 19 00-2675	EA		6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,239.38	325.21
			<i>For Class 52 Rating, Deduct</i>	-192.13	
			<i>For Class 54 Rating, Add</i>	131.00	
			<i>For Class 55 Rating, Add</i>	291.17	
40 05 19 00-2676	EA		6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,289.63	328.29
			<i>For Class 52 Rating, Deduct</i>	-197.14	
			<i>For Class 54 Rating, Add</i>	134.42	
			<i>For Class 55 Rating, Add</i>	298.76	
40 05 19 00-2677	EA		6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,339.87	331.39
			<i>For Class 52 Rating, Deduct</i>	-202.15	
			<i>For Class 54 Rating, Add</i>	137.83	
			<i>For Class 55 Rating, Add</i>	306.35	
40 05 19 00-2678	EA		6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,390.12	334.49
			<i>For Class 52 Rating, Deduct</i>	-207.17	
			<i>For Class 54 Rating, Add</i>	141.25	
			<i>For Class 55 Rating, Add</i>	313.95	
40 05 19 00-2679	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,440.38	337.59
			<i>For Class 52 Rating, Deduct</i>	-212.18	
			<i>For Class 54 Rating, Add</i>	144.67	
			<i>For Class 55 Rating, Add</i>	321.54	
40 05 19 00-2680	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,490.63	340.69
			<i>For Class 52 Rating, Deduct</i>	-217.19	
			<i>For Class 54 Rating, Add</i>	148.08	
			<i>For Class 55 Rating, Add</i>	329.14	
40 05 19 00-2681			8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2682	EA		8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	777.54	284.94
			<i>For Class 52 Rating, Deduct</i>	-38.04	
			<i>For Class 54 Rating, Add</i>	25.94	
			<i>For Class 55 Rating, Add</i>	57.65	
40 05 19 00-2683	EA		8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	841.25	288.04
			<i>For Class 52 Rating, Deduct</i>	-44.53	
			<i>For Class 54 Rating, Add</i>	30.36	
			<i>For Class 55 Rating, Add</i>	67.49	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2684	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	904.95	291.13
		<i>For Class 52 Rating, Deduct</i>	-51.02	
		<i>For Class 54 Rating, Add</i>	34.79	
		<i>For Class 55 Rating, Add</i>	77.32	
40 05 19 00-2685	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	968.66	294.23
		<i>For Class 52 Rating, Deduct</i>	-57.51	
		<i>For Class 54 Rating, Add</i>	39.21	
		<i>For Class 55 Rating, Add</i>	87.16	
40 05 19 00-2686	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,032.37	297.32
		<i>For Class 52 Rating, Deduct</i>	-64.01	
		<i>For Class 54 Rating, Add</i>	43.64	
		<i>For Class 55 Rating, Add</i>	97.00	
40 05 19 00-2687	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,096.08	300.42
		<i>For Class 52 Rating, Deduct</i>	-70.50	
		<i>For Class 54 Rating, Add</i>	48.07	
		<i>For Class 55 Rating, Add</i>	106.84	
40 05 19 00-2688	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,159.78	303.52
		<i>For Class 52 Rating, Deduct</i>	-76.99	
		<i>For Class 54 Rating, Add</i>	52.49	
		<i>For Class 55 Rating, Add</i>	116.67	
40 05 19 00-2689	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,223.49	306.62
		<i>For Class 52 Rating, Deduct</i>	-83.48	
		<i>For Class 54 Rating, Add</i>	56.92	
		<i>For Class 55 Rating, Add</i>	126.51	
40 05 19 00-2690	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,287.20	309.72
		<i>For Class 52 Rating, Deduct</i>	-89.97	
		<i>For Class 54 Rating, Add</i>	61.34	
		<i>For Class 55 Rating, Add</i>	136.35	
40 05 19 00-2691	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,350.91	312.81
		<i>For Class 52 Rating, Deduct</i>	-96.46	
		<i>For Class 54 Rating, Add</i>	65.77	
		<i>For Class 55 Rating, Add</i>	146.19	
40 05 19 00-2692	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,414.62	315.91
		<i>For Class 52 Rating, Deduct</i>	-102.96	
		<i>For Class 54 Rating, Add</i>	70.20	
		<i>For Class 55 Rating, Add</i>	156.03	
40 05 19 00-2693	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,478.32	319.01
		<i>For Class 52 Rating, Deduct</i>	-109.45	
		<i>For Class 54 Rating, Add</i>	74.62	
		<i>For Class 55 Rating, Add</i>	165.86	
40 05 19 00-2694	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,542.03	322.11
		<i>For Class 52 Rating, Deduct</i>	-115.94	
		<i>For Class 54 Rating, Add</i>	79.05	
		<i>For Class 55 Rating, Add</i>	175.70	
40 05 19 00-2695	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,605.74	325.21
		<i>For Class 52 Rating, Deduct</i>	-122.43	
		<i>For Class 54 Rating, Add</i>	83.48	
		<i>For Class 55 Rating, Add</i>	185.54	
40 05 19 00-2696	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,669.45	328.29
		<i>For Class 52 Rating, Deduct</i>	-128.92	
		<i>For Class 54 Rating, Add</i>	87.90	
		<i>For Class 55 Rating, Add</i>	195.38	
40 05 19 00-2697	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,733.15	331.39
		<i>For Class 52 Rating, Deduct</i>	-135.41	
		<i>For Class 54 Rating, Add</i>	92.33	
		<i>For Class 55 Rating, Add</i>	205.21	
40 05 19 00-2698	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,796.86	334.49
		<i>For Class 52 Rating, Deduct</i>	-141.91	
		<i>For Class 54 Rating, Add</i>	96.75	
		<i>For Class 55 Rating, Add</i>	215.05	
40 05 19 00-2699	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,860.57	337.59
		<i>For Class 52 Rating, Deduct</i>	-148.40	
		<i>For Class 54 Rating, Add</i>	101.18	
		<i>For Class 55 Rating, Add</i>	224.89	
40 05 19 00-2700	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,924.29	340.69
		<i>For Class 52 Rating, Deduct</i>	-154.89	
		<i>For Class 54 Rating, Add</i>	105.61	
		<i>For Class 55 Rating, Add</i>	234.73	
40 05 19 00-2701	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,988.00	343.78
		<i>For Class 52 Rating, Deduct</i>	-161.38	
		<i>For Class 54 Rating, Add</i>	110.03	
		<i>For Class 55 Rating, Add</i>	244.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2702	EA		8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,051.70	346.88
			<i>For Class 52 Rating, Deduct</i>	-167.87	
			<i>For Class 54 Rating, Add</i>	114.46	
			<i>For Class 55 Rating, Add</i>	254.40	
40 05 19 00-2703	EA		8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,115.41	349.98
			<i>For Class 52 Rating, Deduct</i>	-174.37	
			<i>For Class 54 Rating, Add</i>	118.89	
			<i>For Class 55 Rating, Add</i>	264.24	
40 05 19 00-2704	EA		8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,179.11	353.08
			<i>For Class 52 Rating, Deduct</i>	-180.86	
			<i>For Class 54 Rating, Add</i>	123.31	
			<i>For Class 55 Rating, Add</i>	274.08	
40 05 19 00-2705	EA		8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,242.83	356.17
			<i>For Class 52 Rating, Deduct</i>	-187.35	
			<i>For Class 54 Rating, Add</i>	127.74	
			<i>For Class 55 Rating, Add</i>	283.92	
40 05 19 00-2706	EA		8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,306.53	359.27
			<i>For Class 52 Rating, Deduct</i>	-193.84	
			<i>For Class 54 Rating, Add</i>	132.16	
			<i>For Class 55 Rating, Add</i>	293.76	
40 05 19 00-2707	EA		8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,370.24	362.37
			<i>For Class 52 Rating, Deduct</i>	-200.33	
			<i>For Class 54 Rating, Add</i>	136.59	
			<i>For Class 55 Rating, Add</i>	303.59	
40 05 19 00-2708	EA		8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,433.94	365.47
			<i>For Class 52 Rating, Deduct</i>	-206.82	
			<i>For Class 54 Rating, Add</i>	141.02	
			<i>For Class 55 Rating, Add</i>	313.43	
40 05 19 00-2709	EA		8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,497.65	368.56
			<i>For Class 52 Rating, Deduct</i>	-213.32	
			<i>For Class 54 Rating, Add</i>	145.44	
			<i>For Class 55 Rating, Add</i>	323.27	
40 05 19 00-2710	EA		8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,561.36	371.65
			<i>For Class 52 Rating, Deduct</i>	-219.81	
			<i>For Class 54 Rating, Add</i>	149.87	
			<i>For Class 55 Rating, Add</i>	333.11	
40 05 19 00-2711	EA		8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,625.07	374.75
			<i>For Class 52 Rating, Deduct</i>	-226.30	
			<i>For Class 54 Rating, Add</i>	154.29	
			<i>For Class 55 Rating, Add</i>	342.95	
40 05 19 00-2712	EA		8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,688.78	377.85
			<i>For Class 52 Rating, Deduct</i>	-232.79	
			<i>For Class 54 Rating, Add</i>	158.72	
			<i>For Class 55 Rating, Add</i>	352.78	
40 05 19 00-2713	EA		8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,752.48	380.95
			<i>For Class 52 Rating, Deduct</i>	-239.28	
			<i>For Class 54 Rating, Add</i>	163.15	
			<i>For Class 55 Rating, Add</i>	362.62	
40 05 19 00-2714	EA		8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,816.19	384.05
			<i>For Class 52 Rating, Deduct</i>	-245.77	
			<i>For Class 54 Rating, Add</i>	167.57	
			<i>For Class 55 Rating, Add</i>	372.46	
40 05 19 00-2715	EA		8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,879.91	387.14
			<i>For Class 52 Rating, Deduct</i>	-252.27	
			<i>For Class 54 Rating, Add</i>	172.00	
			<i>For Class 55 Rating, Add</i>	382.30	
40 05 19 00-2716	EA		8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,943.62	390.24
			<i>For Class 52 Rating, Deduct</i>	-258.76	
			<i>For Class 54 Rating, Add</i>	176.43	
			<i>For Class 55 Rating, Add</i>	392.14	
40 05 19 00-2717	EA		8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,007.32	393.34
			<i>For Class 52 Rating, Deduct</i>	-265.25	
			<i>For Class 54 Rating, Add</i>	180.85	
			<i>For Class 55 Rating, Add</i>	401.97	
40 05 19 00-2718	EA		8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,071.03	396.44
			<i>For Class 52 Rating, Deduct</i>	-271.74	
			<i>For Class 54 Rating, Add</i>	185.28	
			<i>For Class 55 Rating, Add</i>	411.81	
40 05 19 00-2719	EA		8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,134.73	399.54
			<i>For Class 52 Rating, Deduct</i>	-278.23	
			<i>For Class 54 Rating, Add</i>	189.70	
			<i>For Class 55 Rating, Add</i>	421.65	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2720	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,198.45	402.63
		<i>For Class 52 Rating, Deduct</i>	-284.72	
		<i>For Class 54 Rating, Add</i>	194.13	
		<i>For Class 55 Rating, Add</i>	431.49	
40 05 19 00-2721		10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2722	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	966.64	346.88
		<i>For Class 52 Rating, Deduct</i>	-48.52	
		<i>For Class 54 Rating, Add</i>	33.08	
		<i>For Class 55 Rating, Add</i>	73.52	
40 05 19 00-2723	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,047.95	349.98
		<i>For Class 52 Rating, Deduct</i>	-56.94	
		<i>For Class 54 Rating, Add</i>	38.83	
		<i>For Class 55 Rating, Add</i>	86.30	
40 05 19 00-2724	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,129.26	353.08
		<i>For Class 52 Rating, Deduct</i>	-65.37	
		<i>For Class 54 Rating, Add</i>	44.57	
		<i>For Class 55 Rating, Add</i>	99.07	
40 05 19 00-2725	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,210.57	356.17
		<i>For Class 52 Rating, Deduct</i>	-73.80	
		<i>For Class 54 Rating, Add</i>	50.32	
		<i>For Class 55 Rating, Add</i>	111.84	
40 05 19 00-2726	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,291.88	359.27
		<i>For Class 52 Rating, Deduct</i>	-82.23	
		<i>For Class 54 Rating, Add</i>	56.06	
		<i>For Class 55 Rating, Add</i>	124.61	
40 05 19 00-2727	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,373.19	362.37
		<i>For Class 52 Rating, Deduct</i>	-90.66	
		<i>For Class 54 Rating, Add</i>	61.81	
		<i>For Class 55 Rating, Add</i>	137.39	
40 05 19 00-2728	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,454.49	365.47
		<i>For Class 52 Rating, Deduct</i>	-99.08	
		<i>For Class 54 Rating, Add</i>	67.56	
		<i>For Class 55 Rating, Add</i>	150.16	
40 05 19 00-2729	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,535.80	368.56
		<i>For Class 52 Rating, Deduct</i>	-107.51	
		<i>For Class 54 Rating, Add</i>	73.30	
		<i>For Class 55 Rating, Add</i>	162.93	
40 05 19 00-2730	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,617.12	371.65
		<i>For Class 52 Rating, Deduct</i>	-115.94	
		<i>For Class 54 Rating, Add</i>	79.05	
		<i>For Class 55 Rating, Add</i>	175.70	
40 05 19 00-2731	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,698.42	374.75
		<i>For Class 52 Rating, Deduct</i>	-124.37	
		<i>For Class 54 Rating, Add</i>	84.80	
		<i>For Class 55 Rating, Add</i>	188.47	
40 05 19 00-2732	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,779.73	377.85
		<i>For Class 52 Rating, Deduct</i>	-132.80	
		<i>For Class 54 Rating, Add</i>	90.54	
		<i>For Class 55 Rating, Add</i>	201.25	
40 05 19 00-2733	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,861.04	380.95
		<i>For Class 52 Rating, Deduct</i>	-141.22	
		<i>For Class 54 Rating, Add</i>	96.29	
		<i>For Class 55 Rating, Add</i>	214.02	
40 05 19 00-2734	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,942.34	384.05
		<i>For Class 52 Rating, Deduct</i>	-149.65	
		<i>For Class 54 Rating, Add</i>	102.03	
		<i>For Class 55 Rating, Add</i>	226.79	
40 05 19 00-2735	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,023.67	387.14
		<i>For Class 52 Rating, Deduct</i>	-158.08	
		<i>For Class 54 Rating, Add</i>	107.78	
		<i>For Class 55 Rating, Add</i>	239.56	
40 05 19 00-2736	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,104.98	390.24
		<i>For Class 52 Rating, Deduct</i>	-166.51	
		<i>For Class 54 Rating, Add</i>	113.53	
		<i>For Class 55 Rating, Add</i>	252.33	
40 05 19 00-2737	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,186.28	393.34
		<i>For Class 52 Rating, Deduct</i>	-174.93	
		<i>For Class 54 Rating, Add</i>	119.27	
		<i>For Class 55 Rating, Add</i>	265.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2738	EA		10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,267.59	396.44
			<i>For Class 52 Rating, Deduct</i>	-183.36	
			<i>For Class 54 Rating, Add</i>	125.02	
			<i>For Class 55 Rating, Add</i>	277.88	
40 05 19 00-2739	EA		10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,348.90	399.54
			<i>For Class 52 Rating, Deduct</i>	-191.79	
			<i>For Class 54 Rating, Add</i>	130.77	
			<i>For Class 55 Rating, Add</i>	290.65	
40 05 19 00-2740	EA		10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,430.21	402.63
			<i>For Class 52 Rating, Deduct</i>	-200.22	
			<i>For Class 54 Rating, Add</i>	136.51	
			<i>For Class 55 Rating, Add</i>	303.42	
40 05 19 00-2741	EA		10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,511.52	405.72
			<i>For Class 52 Rating, Deduct</i>	-208.65	
			<i>For Class 54 Rating, Add</i>	142.26	
			<i>For Class 55 Rating, Add</i>	316.19	
40 05 19 00-2742	EA		10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,592.83	408.82
			<i>For Class 52 Rating, Deduct</i>	-217.07	
			<i>For Class 54 Rating, Add</i>	148.01	
			<i>For Class 55 Rating, Add</i>	328.97	
40 05 19 00-2743	EA		10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,674.13	411.92
			<i>For Class 52 Rating, Deduct</i>	-225.50	
			<i>For Class 54 Rating, Add</i>	153.75	
			<i>For Class 55 Rating, Add</i>	341.74	
40 05 19 00-2744	EA		10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,755.45	415.02
			<i>For Class 52 Rating, Deduct</i>	-233.93	
			<i>For Class 54 Rating, Add</i>	159.50	
			<i>For Class 55 Rating, Add</i>	354.51	
40 05 19 00-2745	EA		10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,836.76	418.11
			<i>For Class 52 Rating, Deduct</i>	-242.36	
			<i>For Class 54 Rating, Add</i>	165.24	
			<i>For Class 55 Rating, Add</i>	367.28	
40 05 19 00-2746	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,918.06	421.21
			<i>For Class 52 Rating, Deduct</i>	-250.78	
			<i>For Class 54 Rating, Add</i>	170.99	
			<i>For Class 55 Rating, Add</i>	380.05	
40 05 19 00-2747	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,999.37	424.31
			<i>For Class 52 Rating, Deduct</i>	-259.21	
			<i>For Class 54 Rating, Add</i>	176.74	
			<i>For Class 55 Rating, Add</i>	392.83	
40 05 19 00-2748	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,080.68	427.41
			<i>For Class 52 Rating, Deduct</i>	-267.64	
			<i>For Class 54 Rating, Add</i>	182.48	
			<i>For Class 55 Rating, Add</i>	405.60	
40 05 19 00-2749	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,161.99	430.51
			<i>For Class 52 Rating, Deduct</i>	-276.07	
			<i>For Class 54 Rating, Add</i>	188.23	
			<i>For Class 55 Rating, Add</i>	418.37	
40 05 19 00-2750	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,243.30	433.60
			<i>For Class 52 Rating, Deduct</i>	-284.50	
			<i>For Class 54 Rating, Add</i>	193.97	
			<i>For Class 55 Rating, Add</i>	431.14	
40 05 19 00-2751	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,324.61	436.70
			<i>For Class 52 Rating, Deduct</i>	-292.92	
			<i>For Class 54 Rating, Add</i>	199.72	
			<i>For Class 55 Rating, Add</i>	443.91	
40 05 19 00-2752	EA		10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,405.92	439.80
			<i>For Class 52 Rating, Deduct</i>	-301.35	
			<i>For Class 54 Rating, Add</i>	205.47	
			<i>For Class 55 Rating, Add</i>	456.68	
40 05 19 00-2753	EA		10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,487.23	442.90
			<i>For Class 52 Rating, Deduct</i>	-309.78	
			<i>For Class 54 Rating, Add</i>	211.21	
			<i>For Class 55 Rating, Add</i>	469.46	
40 05 19 00-2754	EA		10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,568.55	445.99
			<i>For Class 52 Rating, Deduct</i>	-318.21	
			<i>For Class 54 Rating, Add</i>	216.96	
			<i>For Class 55 Rating, Add</i>	482.23	
40 05 19 00-2755	EA		10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,649.85	449.08
			<i>For Class 52 Rating, Deduct</i>	-326.64	
			<i>For Class 54 Rating, Add</i>	222.71	
			<i>For Class 55 Rating, Add</i>	495.00	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2756	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,731.16	452.18
		<i>For Class 52 Rating, Deduct</i>	-335.06	
		<i>For Class 54 Rating, Add</i>	228.45	
		<i>For Class 55 Rating, Add</i>	507.77	
40 05 19 00-2757	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,812.47	455.28
		<i>For Class 52 Rating, Deduct</i>	-343.49	
		<i>For Class 54 Rating, Add</i>	234.20	
		<i>For Class 55 Rating, Add</i>	520.55	
40 05 19 00-2758	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,893.77	458.38
		<i>For Class 52 Rating, Deduct</i>	-351.92	
		<i>For Class 54 Rating, Add</i>	239.94	
		<i>For Class 55 Rating, Add</i>	533.32	
40 05 19 00-2759	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,975.09	461.48
		<i>For Class 52 Rating, Deduct</i>	-360.35	
		<i>For Class 54 Rating, Add</i>	245.69	
		<i>For Class 55 Rating, Add</i>	546.09	
40 05 19 00-2760	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,056.40	464.57
		<i>For Class 52 Rating, Deduct</i>	-368.78	
		<i>For Class 54 Rating, Add</i>	251.44	
		<i>For Class 55 Rating, Add</i>	558.86	

40 05 19 00-2761 12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2600)

40 05 19 00-2762	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,236.77	433.60
		<i>For Class 52 Rating, Deduct</i>	-63.78	
		<i>For Class 54 Rating, Add</i>	43.49	
		<i>For Class 55 Rating, Add</i>	96.65	
40 05 19 00-2763	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,336.71	436.70
		<i>For Class 52 Rating, Deduct</i>	-74.26	
		<i>For Class 54 Rating, Add</i>	50.63	
		<i>For Class 55 Rating, Add</i>	112.53	
40 05 19 00-2764	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,436.67	439.80
		<i>For Class 52 Rating, Deduct</i>	-84.73	
		<i>For Class 54 Rating, Add</i>	57.77	
		<i>For Class 55 Rating, Add</i>	128.41	
40 05 19 00-2765	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,536.61	442.90
		<i>For Class 52 Rating, Deduct</i>	-95.21	
		<i>For Class 54 Rating, Add</i>	64.92	
		<i>For Class 55 Rating, Add</i>	144.29	
40 05 19 00-2766	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,636.56	445.99
		<i>For Class 52 Rating, Deduct</i>	-105.69	
		<i>For Class 54 Rating, Add</i>	72.06	
		<i>For Class 55 Rating, Add</i>	160.17	
40 05 19 00-2767	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,736.51	449.08
		<i>For Class 52 Rating, Deduct</i>	-116.17	
		<i>For Class 54 Rating, Add</i>	79.21	
		<i>For Class 55 Rating, Add</i>	176.05	
40 05 19 00-2768	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,836.45	452.18
		<i>For Class 52 Rating, Deduct</i>	-126.65	
		<i>For Class 54 Rating, Add</i>	86.35	
		<i>For Class 55 Rating, Add</i>	191.93	
40 05 19 00-2769	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,936.39	455.28
		<i>For Class 52 Rating, Deduct</i>	-137.12	
		<i>For Class 54 Rating, Add</i>	93.49	
		<i>For Class 55 Rating, Add</i>	207.80	
40 05 19 00-2770	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,036.34	458.38
		<i>For Class 52 Rating, Deduct</i>	-147.60	
		<i>For Class 54 Rating, Add</i>	100.64	
		<i>For Class 55 Rating, Add</i>	223.68	
40 05 19 00-2771	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,136.29	461.48
		<i>For Class 52 Rating, Deduct</i>	-158.08	
		<i>For Class 54 Rating, Add</i>	107.78	
		<i>For Class 55 Rating, Add</i>	239.56	
40 05 19 00-2772	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,236.23	464.57
		<i>For Class 52 Rating, Deduct</i>	-168.56	
		<i>For Class 54 Rating, Add</i>	114.92	
		<i>For Class 55 Rating, Add</i>	255.44	
40 05 19 00-2773	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,336.18	467.67
		<i>For Class 52 Rating, Deduct</i>	-179.03	
		<i>For Class 54 Rating, Add</i>	122.07	
		<i>For Class 55 Rating, Add</i>	271.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2774	EA		12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,436.12	470.77
			<i>For Class 52 Rating, Deduct</i>	-189.51	
			<i>For Class 54 Rating, Add</i>	129.21	
			<i>For Class 55 Rating, Add</i>	287.20	
40 05 19 00-2775	EA		12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,536.06	473.87
			<i>For Class 52 Rating, Deduct</i>	-199.99	
			<i>For Class 54 Rating, Add</i>	136.36	
			<i>For Class 55 Rating, Add</i>	303.08	
40 05 19 00-2776	EA		12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,636.02	476.96
			<i>For Class 52 Rating, Deduct</i>	-210.47	
			<i>For Class 54 Rating, Add</i>	143.50	
			<i>For Class 55 Rating, Add</i>	318.96	
40 05 19 00-2777	EA		12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,735.96	480.06
			<i>For Class 52 Rating, Deduct</i>	-220.95	
			<i>For Class 54 Rating, Add</i>	150.65	
			<i>For Class 55 Rating, Add</i>	334.83	
40 05 19 00-2778	EA		12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,835.90	483.15
			<i>For Class 52 Rating, Deduct</i>	-231.42	
			<i>For Class 54 Rating, Add</i>	157.79	
			<i>For Class 55 Rating, Add</i>	350.71	
40 05 19 00-2779	EA		12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,935.84	486.25
			<i>For Class 52 Rating, Deduct</i>	-241.90	
			<i>For Class 54 Rating, Add</i>	164.93	
			<i>For Class 55 Rating, Add</i>	366.59	
40 05 19 00-2780	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,035.79	489.35
			<i>For Class 52 Rating, Deduct</i>	-252.38	
			<i>For Class 54 Rating, Add</i>	172.08	
			<i>For Class 55 Rating, Add</i>	382.47	
40 05 19 00-2781	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,135.75	492.44
			<i>For Class 52 Rating, Deduct</i>	-262.86	
			<i>For Class 54 Rating, Add</i>	179.22	
			<i>For Class 55 Rating, Add</i>	398.35	
40 05 19 00-2782	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,235.69	495.54
			<i>For Class 52 Rating, Deduct</i>	-273.33	
			<i>For Class 54 Rating, Add</i>	186.36	
			<i>For Class 55 Rating, Add</i>	414.23	
40 05 19 00-2783	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,335.64	498.64
			<i>For Class 52 Rating, Deduct</i>	-283.81	
			<i>For Class 54 Rating, Add</i>	193.51	
			<i>For Class 55 Rating, Add</i>	430.11	
40 05 19 00-2784	EA		12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,435.58	501.74
			<i>For Class 52 Rating, Deduct</i>	-294.29	
			<i>For Class 54 Rating, Add</i>	200.65	
			<i>For Class 55 Rating, Add</i>	445.98	
40 05 19 00-2785	EA		12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,535.52	504.84
			<i>For Class 52 Rating, Deduct</i>	-304.77	
			<i>For Class 54 Rating, Add</i>	207.80	
			<i>For Class 55 Rating, Add</i>	461.86	
40 05 19 00-2786	EA		12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,635.48	507.93
			<i>For Class 52 Rating, Deduct</i>	-315.25	
			<i>For Class 54 Rating, Add</i>	214.94	
			<i>For Class 55 Rating, Add</i>	477.74	
40 05 19 00-2787	EA		12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,735.42	511.03
			<i>For Class 52 Rating, Deduct</i>	-325.72	
			<i>For Class 54 Rating, Add</i>	222.08	
			<i>For Class 55 Rating, Add</i>	493.62	
40 05 19 00-2788	EA		12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,835.36	514.13
			<i>For Class 52 Rating, Deduct</i>	-336.20	
			<i>For Class 54 Rating, Add</i>	229.23	
			<i>For Class 55 Rating, Add</i>	509.50	
40 05 19 00-2789	EA		12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,935.31	517.23
			<i>For Class 52 Rating, Deduct</i>	-346.68	
			<i>For Class 54 Rating, Add</i>	236.37	
			<i>For Class 55 Rating, Add</i>	525.38	
40 05 19 00-2790	EA		12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,035.25	520.32
			<i>For Class 52 Rating, Deduct</i>	-357.16	
			<i>For Class 54 Rating, Add</i>	243.52	
			<i>For Class 55 Rating, Add</i>	541.26	
40 05 19 00-2791	EA		12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,135.20	523.41
			<i>For Class 52 Rating, Deduct</i>	-367.64	
			<i>For Class 54 Rating, Add</i>	250.66	
			<i>For Class 55 Rating, Add</i>	557.13	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2792	EA		12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,235.15	526.51
			<i>For Class 52 Rating, Deduct</i>	-378.11	
			<i>For Class 54 Rating, Add</i>	257.81	
			<i>For Class 55 Rating, Add</i>	573.01	
40 05 19 00-2793	EA		12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,335.09	529.61
			<i>For Class 52 Rating, Deduct</i>	-388.59	
			<i>For Class 54 Rating, Add</i>	264.95	
			<i>For Class 55 Rating, Add</i>	588.89	
40 05 19 00-2794	EA		12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,435.03	532.71
			<i>For Class 52 Rating, Deduct</i>	-399.07	
			<i>For Class 54 Rating, Add</i>	272.09	
			<i>For Class 55 Rating, Add</i>	604.77	
40 05 19 00-2795	EA		12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,534.97	535.81
			<i>For Class 52 Rating, Deduct</i>	-409.55	
			<i>For Class 54 Rating, Add</i>	279.24	
			<i>For Class 55 Rating, Add</i>	620.65	
40 05 19 00-2796	EA		12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,634.93	538.90
			<i>For Class 52 Rating, Deduct</i>	-420.03	
			<i>For Class 54 Rating, Add</i>	286.38	
			<i>For Class 55 Rating, Add</i>	636.53	
40 05 19 00-2797	EA		12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,734.88	542.00
			<i>For Class 52 Rating, Deduct</i>	-430.50	
			<i>For Class 54 Rating, Add</i>	293.52	
			<i>For Class 55 Rating, Add</i>	652.41	
40 05 19 00-2798	EA		12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,834.82	545.10
			<i>For Class 52 Rating, Deduct</i>	-440.98	
			<i>For Class 54 Rating, Add</i>	300.67	
			<i>For Class 55 Rating, Add</i>	668.29	
40 05 19 00-2799	EA		12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,934.77	548.20
			<i>For Class 52 Rating, Deduct</i>	-451.46	
			<i>For Class 54 Rating, Add</i>	307.81	
			<i>For Class 55 Rating, Add</i>	684.17	
40 05 19 00-2800	EA		12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,034.72	551.30
			<i>For Class 52 Rating, Deduct</i>	-461.94	
			<i>For Class 54 Rating, Add</i>	314.96	
			<i>For Class 55 Rating, Add</i>	700.04	
40 05 19 00-2801			14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2800)</small>		
40 05 19 00-2802	EA		14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,643.57	520.32
			<i>For Class 52 Rating, Deduct</i>	-94.07	
			<i>For Class 54 Rating, Add</i>	64.14	
			<i>For Class 55 Rating, Add</i>	142.56	
40 05 19 00-2803	EA		14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,764.23	523.41
			<i>For Class 52 Rating, Deduct</i>	-106.83	
			<i>For Class 54 Rating, Add</i>	72.84	
			<i>For Class 55 Rating, Add</i>	161.89	
40 05 19 00-2804	EA		14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,884.88	526.51
			<i>For Class 52 Rating, Deduct</i>	-119.58	
			<i>For Class 54 Rating, Add</i>	81.53	
			<i>For Class 55 Rating, Add</i>	181.22	
40 05 19 00-2805	EA		14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,005.53	529.61
			<i>For Class 52 Rating, Deduct</i>	-132.34	
			<i>For Class 54 Rating, Add</i>	90.23	
			<i>For Class 55 Rating, Add</i>	200.56	
40 05 19 00-2806	EA		14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,126.18	532.71
			<i>For Class 52 Rating, Deduct</i>	-145.10	
			<i>For Class 54 Rating, Add</i>	98.93	
			<i>For Class 55 Rating, Add</i>	219.89	
40 05 19 00-2807	EA		14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,246.83	535.81
			<i>For Class 52 Rating, Deduct</i>	-157.85	
			<i>For Class 54 Rating, Add</i>	107.63	
			<i>For Class 55 Rating, Add</i>	239.22	
40 05 19 00-2808	EA		14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,367.49	538.90
			<i>For Class 52 Rating, Deduct</i>	-170.61	
			<i>For Class 54 Rating, Add</i>	116.32	
			<i>For Class 55 Rating, Add</i>	258.55	
40 05 19 00-2809	EA		14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,488.15	542.00
			<i>For Class 52 Rating, Deduct</i>	-183.36	
			<i>For Class 54 Rating, Add</i>	125.02	
			<i>For Class 55 Rating, Add</i>	277.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2810	EA		14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,608.80	545.10
			<i>For Class 52 Rating, Deduct</i>	-196.12	
			<i>For Class 54 Rating, Add</i>	133.72	
			<i>For Class 55 Rating, Add</i>	297.21	
40 05 19 00-2811	EA		14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,729.45	548.20
			<i>For Class 52 Rating, Deduct</i>	-208.87	
			<i>For Class 54 Rating, Add</i>	142.41	
			<i>For Class 55 Rating, Add</i>	316.54	
40 05 19 00-2812	EA		14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,850.11	551.30
			<i>For Class 52 Rating, Deduct</i>	-221.63	
			<i>For Class 54 Rating, Add</i>	151.11	
			<i>For Class 55 Rating, Add</i>	335.87	
40 05 19 00-2813	EA		14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,970.76	554.39
			<i>For Class 52 Rating, Deduct</i>	-234.38	
			<i>For Class 54 Rating, Add</i>	159.81	
			<i>For Class 55 Rating, Add</i>	355.20	
40 05 19 00-2814	EA		14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,091.41	557.49
			<i>For Class 52 Rating, Deduct</i>	-247.14	
			<i>For Class 54 Rating, Add</i>	168.50	
			<i>For Class 55 Rating, Add</i>	374.53	
40 05 19 00-2815	EA		14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,212.06	560.58
			<i>For Class 52 Rating, Deduct</i>	-259.90	
			<i>For Class 54 Rating, Add</i>	177.20	
			<i>For Class 55 Rating, Add</i>	393.86	
40 05 19 00-2816	EA		14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,332.71	563.68
			<i>For Class 52 Rating, Deduct</i>	-272.65	
			<i>For Class 54 Rating, Add</i>	185.90	
			<i>For Class 55 Rating, Add</i>	413.19	
40 05 19 00-2817	EA		14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,453.37	566.78
			<i>For Class 52 Rating, Deduct</i>	-285.41	
			<i>For Class 54 Rating, Add</i>	194.60	
			<i>For Class 55 Rating, Add</i>	432.52	
40 05 19 00-2818	EA		14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,574.02	569.87
			<i>For Class 52 Rating, Deduct</i>	-298.16	
			<i>For Class 54 Rating, Add</i>	203.29	
			<i>For Class 55 Rating, Add</i>	451.85	
40 05 19 00-2819	EA		14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,694.67	572.97
			<i>For Class 52 Rating, Deduct</i>	-310.92	
			<i>For Class 54 Rating, Add</i>	211.99	
			<i>For Class 55 Rating, Add</i>	471.18	
40 05 19 00-2820	EA		14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,815.32	576.07
			<i>For Class 52 Rating, Deduct</i>	-323.67	
			<i>For Class 54 Rating, Add</i>	220.69	
			<i>For Class 55 Rating, Add</i>	490.51	
40 05 19 00-2821	EA		14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,935.97	579.17
			<i>For Class 52 Rating, Deduct</i>	-336.43	
			<i>For Class 54 Rating, Add</i>	229.38	
			<i>For Class 55 Rating, Add</i>	509.84	
40 05 19 00-2822	EA		14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,056.63	582.27
			<i>For Class 52 Rating, Deduct</i>	-349.19	
			<i>For Class 54 Rating, Add</i>	238.08	
			<i>For Class 55 Rating, Add</i>	529.17	
40 05 19 00-2823	EA		14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,177.28	585.36
			<i>For Class 52 Rating, Deduct</i>	-361.94	
			<i>For Class 54 Rating, Add</i>	246.78	
			<i>For Class 55 Rating, Add</i>	548.50	
40 05 19 00-2824	EA		14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,297.93	588.46
			<i>For Class 52 Rating, Deduct</i>	-374.70	
			<i>For Class 54 Rating, Add</i>	255.47	
			<i>For Class 55 Rating, Add</i>	567.84	
40 05 19 00-2825	EA		14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,418.58	591.56
			<i>For Class 52 Rating, Deduct</i>	-387.45	
			<i>For Class 54 Rating, Add</i>	264.17	
			<i>For Class 55 Rating, Add</i>	587.17	
40 05 19 00-2826	EA		14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,539.25	594.66
			<i>For Class 52 Rating, Deduct</i>	-400.21	
			<i>For Class 54 Rating, Add</i>	272.87	
			<i>For Class 55 Rating, Add</i>	606.50	
40 05 19 00-2827	EA		14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,659.91	597.75
			<i>For Class 52 Rating, Deduct</i>	-412.96	
			<i>For Class 54 Rating, Add</i>	281.57	
			<i>For Class 55 Rating, Add</i>	625.83	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-2828	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,780.56	600.84
		<i>For Class 52 Rating, Deduct</i>	-425.72	
		<i>For Class 54 Rating, Add</i>	290.26	
		<i>For Class 55 Rating, Add</i>	645.16	
40 05 19 00-2829	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,901.21	603.94
		<i>For Class 52 Rating, Deduct</i>	-438.48	
		<i>For Class 54 Rating, Add</i>	298.96	
		<i>For Class 55 Rating, Add</i>	664.49	
40 05 19 00-2830	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,021.86	607.04
		<i>For Class 52 Rating, Deduct</i>	-451.23	
		<i>For Class 54 Rating, Add</i>	307.66	
		<i>For Class 55 Rating, Add</i>	683.82	
40 05 19 00-2831	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,142.51	610.14
		<i>For Class 52 Rating, Deduct</i>	-463.99	
		<i>For Class 54 Rating, Add</i>	316.35	
		<i>For Class 55 Rating, Add</i>	703.15	
40 05 19 00-2832	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,263.17	613.24
		<i>For Class 52 Rating, Deduct</i>	-476.74	
		<i>For Class 54 Rating, Add</i>	325.05	
		<i>For Class 55 Rating, Add</i>	722.48	
40 05 19 00-2833	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,383.82	616.33
		<i>For Class 52 Rating, Deduct</i>	-489.50	
		<i>For Class 54 Rating, Add</i>	333.75	
		<i>For Class 55 Rating, Add</i>	741.81	
40 05 19 00-2834	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,504.47	619.43
		<i>For Class 52 Rating, Deduct</i>	-502.25	
		<i>For Class 54 Rating, Add</i>	342.45	
		<i>For Class 55 Rating, Add</i>	761.14	
40 05 19 00-2835	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,625.12	622.53
		<i>For Class 52 Rating, Deduct</i>	-515.01	
		<i>For Class 54 Rating, Add</i>	351.14	
		<i>For Class 55 Rating, Add</i>	780.47	
40 05 19 00-2836	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,745.77	625.63
		<i>For Class 52 Rating, Deduct</i>	-527.76	
		<i>For Class 54 Rating, Add</i>	359.84	
		<i>For Class 55 Rating, Add</i>	799.80	
40 05 19 00-2837	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,866.43	628.72
		<i>For Class 52 Rating, Deduct</i>	-540.52	
		<i>For Class 54 Rating, Add</i>	368.54	
		<i>For Class 55 Rating, Add</i>	819.13	
40 05 19 00-2838	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,987.08	631.82
		<i>For Class 52 Rating, Deduct</i>	-553.28	
		<i>For Class 54 Rating, Add</i>	377.23	
		<i>For Class 55 Rating, Add</i>	838.46	
40 05 19 00-2839	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,107.73	634.92
		<i>For Class 52 Rating, Deduct</i>	-566.03	
		<i>For Class 54 Rating, Add</i>	385.93	
		<i>For Class 55 Rating, Add</i>	857.79	

40 05 19 00-2840 16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2800)

40 05 19 00-2841	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,910.47	594.66
		<i>For Class 52 Rating, Deduct</i>	-111.04	
		<i>For Class 54 Rating, Add</i>	75.71	
		<i>For Class 55 Rating, Add</i>	168.28	
40 05 19 00-2842	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,049.76	597.75
		<i>For Class 52 Rating, Deduct</i>	-125.85	
		<i>For Class 54 Rating, Add</i>	85.81	
		<i>For Class 55 Rating, Add</i>	190.72	
40 05 19 00-2843	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,189.05	600.84
		<i>For Class 52 Rating, Deduct</i>	-140.65	
		<i>For Class 54 Rating, Add</i>	95.90	
		<i>For Class 55 Rating, Add</i>	213.15	
40 05 19 00-2844	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,328.34	603.94
		<i>For Class 52 Rating, Deduct</i>	-155.46	
		<i>For Class 54 Rating, Add</i>	106.00	
		<i>For Class 55 Rating, Add</i>	235.59	
40 05 19 00-2845	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,467.62	607.04
		<i>For Class 52 Rating, Deduct</i>	-170.26	
		<i>For Class 54 Rating, Add</i>	116.09	
		<i>For Class 55 Rating, Add</i>	258.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2846	EA		16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,606.91	610.14
			<i>For Class 52 Rating, Deduct</i>	-185.07	
			<i>For Class 54 Rating, Add</i>	126.18	
			<i>For Class 55 Rating, Add</i>	280.47	
40 05 19 00-2847	EA		16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,746.21	613.24
			<i>For Class 52 Rating, Deduct</i>	-199.88	
			<i>For Class 54 Rating, Add</i>	136.28	
			<i>For Class 55 Rating, Add</i>	302.90	
40 05 19 00-2848	EA		16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,885.49	616.33
			<i>For Class 52 Rating, Deduct</i>	-214.68	
			<i>For Class 54 Rating, Add</i>	146.37	
			<i>For Class 55 Rating, Add</i>	325.34	
40 05 19 00-2849	EA		16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,024.78	619.43
			<i>For Class 52 Rating, Deduct</i>	-229.49	
			<i>For Class 54 Rating, Add</i>	156.47	
			<i>For Class 55 Rating, Add</i>	347.78	
40 05 19 00-2850	EA		16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,164.07	622.53
			<i>For Class 52 Rating, Deduct</i>	-244.29	
			<i>For Class 54 Rating, Add</i>	166.56	
			<i>For Class 55 Rating, Add</i>	370.22	
40 05 19 00-2851	EA		16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,303.35	625.63
			<i>For Class 52 Rating, Deduct</i>	-259.10	
			<i>For Class 54 Rating, Add</i>	176.66	
			<i>For Class 55 Rating, Add</i>	392.65	
40 05 19 00-2852	EA		16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,442.65	628.72
			<i>For Class 52 Rating, Deduct</i>	-273.90	
			<i>For Class 54 Rating, Add</i>	186.75	
			<i>For Class 55 Rating, Add</i>	415.09	
40 05 19 00-2853	EA		16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,581.94	631.82
			<i>For Class 52 Rating, Deduct</i>	-288.71	
			<i>For Class 54 Rating, Add</i>	196.85	
			<i>For Class 55 Rating, Add</i>	437.53	
40 05 19 00-2854	EA		16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,721.22	634.92
			<i>For Class 52 Rating, Deduct</i>	-303.52	
			<i>For Class 54 Rating, Add</i>	206.94	
			<i>For Class 55 Rating, Add</i>	459.96	
40 05 19 00-2855	EA		16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,860.51	638.01
			<i>For Class 52 Rating, Deduct</i>	-318.32	
			<i>For Class 54 Rating, Add</i>	217.04	
			<i>For Class 55 Rating, Add</i>	482.40	
40 05 19 00-2856	EA		16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,999.80	641.11
			<i>For Class 52 Rating, Deduct</i>	-333.13	
			<i>For Class 54 Rating, Add</i>	227.13	
			<i>For Class 55 Rating, Add</i>	504.84	
40 05 19 00-2857	EA		16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,139.09	644.20
			<i>For Class 52 Rating, Deduct</i>	-347.93	
			<i>For Class 54 Rating, Add</i>	237.23	
			<i>For Class 55 Rating, Add</i>	527.28	
40 05 19 00-2858	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,278.39	647.30
			<i>For Class 52 Rating, Deduct</i>	-362.74	
			<i>For Class 54 Rating, Add</i>	247.32	
			<i>For Class 55 Rating, Add</i>	549.71	
40 05 19 00-2859	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,417.68	650.40
			<i>For Class 52 Rating, Deduct</i>	-377.54	
			<i>For Class 54 Rating, Add</i>	257.42	
			<i>For Class 55 Rating, Add</i>	572.15	
40 05 19 00-2860	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,556.97	653.50
			<i>For Class 52 Rating, Deduct</i>	-392.35	
			<i>For Class 54 Rating, Add</i>	267.51	
			<i>For Class 55 Rating, Add</i>	594.59	
40 05 19 00-2861	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,696.26	656.60
			<i>For Class 52 Rating, Deduct</i>	-407.16	
			<i>For Class 54 Rating, Add</i>	277.61	
			<i>For Class 55 Rating, Add</i>	617.03	
40 05 19 00-2862	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,835.55	659.69
			<i>For Class 52 Rating, Deduct</i>	-421.96	
			<i>For Class 54 Rating, Add</i>	287.70	
			<i>For Class 55 Rating, Add</i>	639.46	
40 05 19 00-2863	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,974.84	662.79
			<i>For Class 52 Rating, Deduct</i>	-436.77	
			<i>For Class 54 Rating, Add</i>	297.80	
			<i>For Class 55 Rating, Add</i>	661.90	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2864	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,114.12	665.89
			<i>For Class 52 Rating, Deduct</i>	-451.57	
			<i>For Class 54 Rating, Add</i>	307.89	
			<i>For Class 55 Rating, Add</i>	684.34	
40 05 19 00-2865	EA		16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,253.41	668.99
			<i>For Class 52 Rating, Deduct</i>	-466.38	
			<i>For Class 54 Rating, Add</i>	317.99	
			<i>For Class 55 Rating, Add</i>	706.77	
40 05 19 00-2866	EA		16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,392.71	672.09
			<i>For Class 52 Rating, Deduct</i>	-481.18	
			<i>For Class 54 Rating, Add</i>	328.08	
			<i>For Class 55 Rating, Add</i>	729.21	
40 05 19 00-2867	EA		16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,531.99	675.17
			<i>For Class 52 Rating, Deduct</i>	-495.99	
			<i>For Class 54 Rating, Add</i>	338.17	
			<i>For Class 55 Rating, Add</i>	751.65	
40 05 19 00-2868	EA		16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,671.28	678.27
			<i>For Class 52 Rating, Deduct</i>	-510.79	
			<i>For Class 54 Rating, Add</i>	348.27	
			<i>For Class 55 Rating, Add</i>	774.09	
40 05 19 00-2869	EA		16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,810.57	681.37
			<i>For Class 52 Rating, Deduct</i>	-525.60	
			<i>For Class 54 Rating, Add</i>	358.36	
			<i>For Class 55 Rating, Add</i>	796.52	
40 05 19 00-2870	EA		16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,949.85	684.47
			<i>For Class 52 Rating, Deduct</i>	-540.41	
			<i>For Class 54 Rating, Add</i>	368.46	
			<i>For Class 55 Rating, Add</i>	818.96	
40 05 19 00-2871	EA		16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,089.15	687.57
			<i>For Class 52 Rating, Deduct</i>	-555.21	
			<i>For Class 54 Rating, Add</i>	378.55	
			<i>For Class 55 Rating, Add</i>	841.40	
40 05 19 00-2872	EA		16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,228.44	690.66
			<i>For Class 52 Rating, Deduct</i>	-570.02	
			<i>For Class 54 Rating, Add</i>	388.65	
			<i>For Class 55 Rating, Add</i>	863.84	
40 05 19 00-2873	EA		16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,367.72	693.76
			<i>For Class 52 Rating, Deduct</i>	-584.82	
			<i>For Class 54 Rating, Add</i>	398.74	
			<i>For Class 55 Rating, Add</i>	886.27	
40 05 19 00-2874	EA		16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,507.02	696.86
			<i>For Class 52 Rating, Deduct</i>	-599.63	
			<i>For Class 54 Rating, Add</i>	408.84	
			<i>For Class 55 Rating, Add</i>	908.71	
40 05 19 00-2875	EA		16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,646.31	699.96
			<i>For Class 52 Rating, Deduct</i>	-614.43	
			<i>For Class 54 Rating, Add</i>	418.93	
			<i>For Class 55 Rating, Add</i>	931.15	
40 05 19 00-2876	EA		16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,785.60	703.06
			<i>For Class 52 Rating, Deduct</i>	-629.24	
			<i>For Class 54 Rating, Add</i>	429.03	
			<i>For Class 55 Rating, Add</i>	953.58	
40 05 19 00-2877	EA		16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,924.89	706.15
			<i>For Class 52 Rating, Deduct</i>	-644.05	
			<i>For Class 54 Rating, Add</i>	439.12	
			<i>For Class 55 Rating, Add</i>	976.02	
40 05 19 00-2878	EA		16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,064.18	709.25
			<i>For Class 52 Rating, Deduct</i>	-658.85	
			<i>For Class 54 Rating, Add</i>	449.22	
			<i>For Class 55 Rating, Add</i>	998.46	
40 05 19 00-2879			18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2880	EA		18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,211.33	670.22
			<i>For Class 52 Rating, Deduct</i>	-131.54	
			<i>For Class 54 Rating, Add</i>	89.69	
			<i>For Class 55 Rating, Add</i>	199.35	
40 05 19 00-2881	EA		18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,371.32	673.32
			<i>For Class 52 Rating, Deduct</i>	-148.63	
			<i>For Class 54 Rating, Add</i>	101.34	
			<i>For Class 55 Rating, Add</i>	225.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2882	EA		18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,531.32	676.42
			<i>For Class 52 Rating, Deduct</i>	-165.71	
			<i>For Class 54 Rating, Add</i>	112.98	
			<i>For Class 55 Rating, Add</i>	251.13	
40 05 19 00-2883	EA		18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,691.31	679.52
			<i>For Class 52 Rating, Deduct</i>	-182.79	
			<i>For Class 54 Rating, Add</i>	124.63	
			<i>For Class 55 Rating, Add</i>	277.01	
40 05 19 00-2884	EA		18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,851.32	682.62
			<i>For Class 52 Rating, Deduct</i>	-199.88	
			<i>For Class 54 Rating, Add</i>	136.28	
			<i>For Class 55 Rating, Add</i>	302.90	
40 05 19 00-2885	EA		18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,011.31	685.71
			<i>For Class 52 Rating, Deduct</i>	-216.96	
			<i>For Class 54 Rating, Add</i>	147.93	
			<i>For Class 55 Rating, Add</i>	328.79	
40 05 19 00-2886	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,171.31	688.81
			<i>For Class 52 Rating, Deduct</i>	-234.04	
			<i>For Class 54 Rating, Add</i>	159.57	
			<i>For Class 55 Rating, Add</i>	354.68	
40 05 19 00-2887	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,331.31	691.91
			<i>For Class 52 Rating, Deduct</i>	-251.13	
			<i>For Class 54 Rating, Add</i>	171.22	
			<i>For Class 55 Rating, Add</i>	380.57	
40 05 19 00-2888	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,491.30	695.01
			<i>For Class 52 Rating, Deduct</i>	-268.21	
			<i>For Class 54 Rating, Add</i>	182.87	
			<i>For Class 55 Rating, Add</i>	406.46	
40 05 19 00-2889	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,651.31	698.11
			<i>For Class 52 Rating, Deduct</i>	-285.29	
			<i>For Class 54 Rating, Add</i>	194.52	
			<i>For Class 55 Rating, Add</i>	432.35	
40 05 19 00-2890	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,811.30	701.20
			<i>For Class 52 Rating, Deduct</i>	-302.38	
			<i>For Class 54 Rating, Add</i>	206.17	
			<i>For Class 55 Rating, Add</i>	458.24	
40 05 19 00-2891	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,971.29	704.30
			<i>For Class 52 Rating, Deduct</i>	-319.46	
			<i>For Class 54 Rating, Add</i>	217.81	
			<i>For Class 55 Rating, Add</i>	484.13	
40 05 19 00-2892	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,131.29	707.39
			<i>For Class 52 Rating, Deduct</i>	-336.54	
			<i>For Class 54 Rating, Add</i>	229.46	
			<i>For Class 55 Rating, Add</i>	510.02	
40 05 19 00-2893	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,291.28	710.49
			<i>For Class 52 Rating, Deduct</i>	-353.63	
			<i>For Class 54 Rating, Add</i>	241.11	
			<i>For Class 55 Rating, Add</i>	535.91	
40 05 19 00-2894	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,451.29	713.59
			<i>For Class 52 Rating, Deduct</i>	-370.71	
			<i>For Class 54 Rating, Add</i>	252.76	
			<i>For Class 55 Rating, Add</i>	561.80	
40 05 19 00-2895	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,611.28	716.68
			<i>For Class 52 Rating, Deduct</i>	-387.79	
			<i>For Class 54 Rating, Add</i>	264.41	
			<i>For Class 55 Rating, Add</i>	587.68	
40 05 19 00-2896	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,771.27	719.78
			<i>For Class 52 Rating, Deduct</i>	-404.88	
			<i>For Class 54 Rating, Add</i>	276.05	
			<i>For Class 55 Rating, Add</i>	613.57	
40 05 19 00-2897	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,931.27	722.88
			<i>For Class 52 Rating, Deduct</i>	-421.96	
			<i>For Class 54 Rating, Add</i>	287.70	
			<i>For Class 55 Rating, Add</i>	639.46	
40 05 19 00-2898	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,091.26	725.98
			<i>For Class 52 Rating, Deduct</i>	-439.04	
			<i>For Class 54 Rating, Add</i>	299.35	
			<i>For Class 55 Rating, Add</i>	665.35	
40 05 19 00-2899	EA		18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,251.27	729.08
			<i>For Class 52 Rating, Deduct</i>	-456.13	
			<i>For Class 54 Rating, Add</i>	311.00	
			<i>For Class 55 Rating, Add</i>	691.24	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2900	EA		18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,411.26	732.17
			<i>For Class 52 Rating, Deduct</i>	-473.21	
			<i>For Class 54 Rating, Add</i>	322.64	
			<i>For Class 55 Rating, Add</i>	717.13	
40 05 19 00-2901	EA		18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,571.25	735.27
			<i>For Class 52 Rating, Deduct</i>	-490.29	
			<i>For Class 54 Rating, Add</i>	334.29	
			<i>For Class 55 Rating, Add</i>	743.02	
40 05 19 00-2902	EA		18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,731.26	738.37
			<i>For Class 52 Rating, Deduct</i>	-507.38	
			<i>For Class 54 Rating, Add</i>	345.94	
			<i>For Class 55 Rating, Add</i>	768.91	
40 05 19 00-2903	EA		18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,891.26	741.47
			<i>For Class 52 Rating, Deduct</i>	-524.46	
			<i>For Class 54 Rating, Add</i>	357.59	
			<i>For Class 55 Rating, Add</i>	794.80	
40 05 19 00-2904	EA		18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,051.26	744.56
			<i>For Class 52 Rating, Deduct</i>	-541.55	
			<i>For Class 54 Rating, Add</i>	369.24	
			<i>For Class 55 Rating, Add</i>	820.69	
40 05 19 00-2905	EA		18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,211.25	747.65
			<i>For Class 52 Rating, Deduct</i>	-558.63	
			<i>For Class 54 Rating, Add</i>	380.88	
			<i>For Class 55 Rating, Add</i>	846.58	
40 05 19 00-2906	EA		18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,371.24	750.75
			<i>For Class 52 Rating, Deduct</i>	-575.71	
			<i>For Class 54 Rating, Add</i>	392.53	
			<i>For Class 55 Rating, Add</i>	872.46	
40 05 19 00-2907	EA		18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,531.24	753.85
			<i>For Class 52 Rating, Deduct</i>	-592.80	
			<i>For Class 54 Rating, Add</i>	404.18	
			<i>For Class 55 Rating, Add</i>	898.35	
40 05 19 00-2908	EA		18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,691.24	756.95
			<i>For Class 52 Rating, Deduct</i>	-609.88	
			<i>For Class 54 Rating, Add</i>	415.83	
			<i>For Class 55 Rating, Add</i>	924.24	
40 05 19 00-2909	EA		18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,851.24	760.04
			<i>For Class 52 Rating, Deduct</i>	-626.96	
			<i>For Class 54 Rating, Add</i>	427.47	
			<i>For Class 55 Rating, Add</i>	950.13	
40 05 19 00-2910	EA		18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,011.23	763.14
			<i>For Class 52 Rating, Deduct</i>	-644.05	
			<i>For Class 54 Rating, Add</i>	439.12	
			<i>For Class 55 Rating, Add</i>	976.02	
40 05 19 00-2911	EA		18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,171.22	766.24
			<i>For Class 52 Rating, Deduct</i>	-661.13	
			<i>For Class 54 Rating, Add</i>	450.77	
			<i>For Class 55 Rating, Add</i>	1,001.91	
40 05 19 00-2912	EA		18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,331.22	769.34
			<i>For Class 52 Rating, Deduct</i>	-678.21	
			<i>For Class 54 Rating, Add</i>	462.42	
			<i>For Class 55 Rating, Add</i>	1,027.80	
40 05 19 00-2913	EA		18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,491.22	772.44
			<i>For Class 52 Rating, Deduct</i>	-695.30	
			<i>For Class 54 Rating, Add</i>	474.07	
			<i>For Class 55 Rating, Add</i>	1,053.69	
40 05 19 00-2914	EA		18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,651.22	775.53
			<i>For Class 52 Rating, Deduct</i>	-712.38	
			<i>For Class 54 Rating, Add</i>	485.71	
			<i>For Class 55 Rating, Add</i>	1,079.58	
40 05 19 00-2915	EA		18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,811.21	778.63
			<i>For Class 52 Rating, Deduct</i>	-729.46	
			<i>For Class 54 Rating, Add</i>	497.36	
			<i>For Class 55 Rating, Add</i>	1,105.47	
40 05 19 00-2916	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,971.20	781.73
			<i>For Class 52 Rating, Deduct</i>	-746.55	
			<i>For Class 54 Rating, Add</i>	509.01	
			<i>For Class 55 Rating, Add</i>	1,131.36	
40 05 19 00-2917	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,131.20	784.82
			<i>For Class 52 Rating, Deduct</i>	-763.63	
			<i>For Class 54 Rating, Add</i>	520.66	
			<i>For Class 55 Rating, Add</i>	1,157.25	

MINOR	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

40 05 19 00-2918	20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2900)</small>		
40 05 19 00-2919	EA 20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,551.65	764.99
	For Class 52 Rating, Deduct	-153.18	
	For Class 54 Rating, Add	104.44	
	For Class 55 Rating, Add	232.14	
40 05 19 00-2920	EA 20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,733.39	768.09
	For Class 52 Rating, Deduct	-172.66	
	For Class 54 Rating, Add	117.72	
	For Class 55 Rating, Add	261.65	
40 05 19 00-2921	EA 20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,915.12	771.19
	For Class 52 Rating, Deduct	-192.13	
	For Class 54 Rating, Add	131.00	
	For Class 55 Rating, Add	291.17	
40 05 19 00-2922	EA 20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,096.86	774.29
	For Class 52 Rating, Deduct	-211.61	
	For Class 54 Rating, Add	144.28	
	For Class 55 Rating, Add	320.68	
40 05 19 00-2923	EA 20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,278.61	777.39
	For Class 52 Rating, Deduct	-231.08	
	For Class 54 Rating, Add	157.56	
	For Class 55 Rating, Add	350.20	
40 05 19 00-2924	EA 20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,460.34	780.48
	For Class 52 Rating, Deduct	-250.56	
	For Class 54 Rating, Add	170.83	
	For Class 55 Rating, Add	379.71	
40 05 19 00-2925	EA 20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,642.08	783.58
	For Class 52 Rating, Deduct	-270.03	
	For Class 54 Rating, Add	184.11	
	For Class 55 Rating, Add	409.22	
40 05 19 00-2926	EA 20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,823.82	786.68
	For Class 52 Rating, Deduct	-289.51	
	For Class 54 Rating, Add	197.39	
	For Class 55 Rating, Add	438.74	
40 05 19 00-2927	EA 20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,005.55	789.78
	For Class 52 Rating, Deduct	-308.98	
	For Class 54 Rating, Add	210.67	
	For Class 55 Rating, Add	468.25	
40 05 19 00-2928	EA 20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,187.30	792.87
	For Class 52 Rating, Deduct	-328.46	
	For Class 54 Rating, Add	223.95	
	For Class 55 Rating, Add	497.76	
40 05 19 00-2929	EA 20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,369.03	795.96
	For Class 52 Rating, Deduct	-347.93	
	For Class 54 Rating, Add	237.23	
	For Class 55 Rating, Add	527.28	
40 05 19 00-2930	EA 20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,550.78	799.06
	For Class 52 Rating, Deduct	-367.41	
	For Class 54 Rating, Add	250.51	
	For Class 55 Rating, Add	556.79	
40 05 19 00-2931	EA 20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,732.52	802.16
	For Class 52 Rating, Deduct	-386.88	
	For Class 54 Rating, Add	263.78	
	For Class 55 Rating, Add	586.30	
40 05 19 00-2932	EA 20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,914.25	805.26
	For Class 52 Rating, Deduct	-406.36	
	For Class 54 Rating, Add	277.06	
	For Class 55 Rating, Add	615.82	
40 05 19 00-2933	EA 20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,096.00	808.36
	For Class 52 Rating, Deduct	-425.83	
	For Class 54 Rating, Add	290.34	
	For Class 55 Rating, Add	645.33	
40 05 19 00-2934	EA 20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,277.74	811.45
	For Class 52 Rating, Deduct	-445.31	
	For Class 54 Rating, Add	303.62	
	For Class 55 Rating, Add	674.84	
40 05 19 00-2935	EA 20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,459.47	814.55
	For Class 52 Rating, Deduct	-464.78	
	For Class 54 Rating, Add	316.90	
	For Class 55 Rating, Add	704.36	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2936	EA		20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,641.21	817.65
			<i>For Class 52 Rating, Deduct</i>	-484.26	
			<i>For Class 54 Rating, Add</i>	330.18	
			<i>For Class 55 Rating, Add</i>	733.87	
40 05 19 00-2937	EA		20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,822.95	820.75
			<i>For Class 52 Rating, Deduct</i>	-503.73	
			<i>For Class 54 Rating, Add</i>	343.46	
			<i>For Class 55 Rating, Add</i>	763.39	
40 05 19 00-2938	EA		20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,004.69	823.85
			<i>For Class 52 Rating, Deduct</i>	-523.21	
			<i>For Class 54 Rating, Add</i>	356.73	
			<i>For Class 55 Rating, Add</i>	792.90	
40 05 19 00-2939	EA		20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,186.43	826.94
			<i>For Class 52 Rating, Deduct</i>	-542.68	
			<i>For Class 54 Rating, Add</i>	370.01	
			<i>For Class 55 Rating, Add</i>	822.41	
40 05 19 00-2940	EA		20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,368.17	830.03
			<i>For Class 52 Rating, Deduct</i>	-562.16	
			<i>For Class 54 Rating, Add</i>	383.29	
			<i>For Class 55 Rating, Add</i>	851.93	
40 05 19 00-2941	EA		20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,549.90	833.13
			<i>For Class 52 Rating, Deduct</i>	-581.63	
			<i>For Class 54 Rating, Add</i>	396.57	
			<i>For Class 55 Rating, Add</i>	881.44	
40 05 19 00-2942	EA		20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,731.64	836.23
			<i>For Class 52 Rating, Deduct</i>	-601.11	
			<i>For Class 54 Rating, Add</i>	409.85	
			<i>For Class 55 Rating, Add</i>	910.95	
40 05 19 00-2943	EA		20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,913.39	839.33
			<i>For Class 52 Rating, Deduct</i>	-620.58	
			<i>For Class 54 Rating, Add</i>	423.13	
			<i>For Class 55 Rating, Add</i>	940.47	
40 05 19 00-2944	EA		20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,095.12	842.42
			<i>For Class 52 Rating, Deduct</i>	-640.06	
			<i>For Class 54 Rating, Add</i>	436.40	
			<i>For Class 55 Rating, Add</i>	969.98	
40 05 19 00-2945	EA		20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,276.86	845.52
			<i>For Class 52 Rating, Deduct</i>	-659.53	
			<i>For Class 54 Rating, Add</i>	449.68	
			<i>For Class 55 Rating, Add</i>	999.49	
40 05 19 00-2946	EA		20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,458.60	848.62
			<i>For Class 52 Rating, Deduct</i>	-679.01	
			<i>For Class 54 Rating, Add</i>	462.96	
			<i>For Class 55 Rating, Add</i>	1,029.01	
40 05 19 00-2947	EA		20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,640.34	851.72
			<i>For Class 52 Rating, Deduct</i>	-698.48	
			<i>For Class 54 Rating, Add</i>	476.24	
			<i>For Class 55 Rating, Add</i>	1,058.52	
40 05 19 00-2948	EA		20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,822.09	854.82
			<i>For Class 52 Rating, Deduct</i>	-717.96	
			<i>For Class 54 Rating, Add</i>	489.52	
			<i>For Class 55 Rating, Add</i>	1,088.04	
40 05 19 00-2949	EA		20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,003.83	857.91
			<i>For Class 52 Rating, Deduct</i>	-737.44	
			<i>For Class 54 Rating, Add</i>	502.80	
			<i>For Class 55 Rating, Add</i>	1,117.55	
40 05 19 00-2950	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,185.56	861.01
			<i>For Class 52 Rating, Deduct</i>	-756.91	
			<i>For Class 54 Rating, Add</i>	516.08	
			<i>For Class 55 Rating, Add</i>	1,147.06	
40 05 19 00-2951	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,367.30	864.11
			<i>For Class 52 Rating, Deduct</i>	-776.39	
			<i>For Class 54 Rating, Add</i>	529.35	
			<i>For Class 55 Rating, Add</i>	1,176.58	
40 05 19 00-2952	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,549.04	867.21
			<i>For Class 52 Rating, Deduct</i>	-795.86	
			<i>For Class 54 Rating, Add</i>	542.63	
			<i>For Class 55 Rating, Add</i>	1,206.09	
40 05 19 00-2953	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,730.78	870.30
			<i>For Class 52 Rating, Deduct</i>	-815.34	
			<i>For Class 54 Rating, Add</i>	555.91	
			<i>For Class 55 Rating, Add</i>	1,235.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2954	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,912.52	873.99
			<i>For Class 52 Rating, Deduct</i>	-834.81	
			<i>For Class 54 Rating, Add</i>	569.19	
			<i>For Class 55 Rating, Add</i>	1,265.12	
40 05 19 00-2955	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,094.26	876.49
			<i>For Class 52 Rating, Deduct</i>	-854.29	
			<i>For Class 54 Rating, Add</i>	582.47	
			<i>For Class 55 Rating, Add</i>	1,294.63	
40 05 19 00-2956	EA		20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,275.99	879.59
			<i>For Class 52 Rating, Deduct</i>	-873.76	
			<i>For Class 54 Rating, Add</i>	595.75	
			<i>For Class 55 Rating, Add</i>	1,324.14	
40 05 19 00-2957			24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2900)</small>		
40 05 19 00-2958	EA		24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,128.30	904.37
			<i>For Class 52 Rating, Deduct</i>	-193.38	
			<i>For Class 54 Rating, Add</i>	131.85	
			<i>For Class 55 Rating, Add</i>	293.07	
40 05 19 00-2959	EA		24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,352.49	907.46
			<i>For Class 52 Rating, Deduct</i>	-217.53	
			<i>For Class 54 Rating, Add</i>	148.32	
			<i>For Class 55 Rating, Add</i>	329.66	
40 05 19 00-2960	EA		24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,576.67	910.56
			<i>For Class 52 Rating, Deduct</i>	-241.67	
			<i>For Class 54 Rating, Add</i>	164.78	
			<i>For Class 55 Rating, Add</i>	366.24	
40 05 19 00-2961	EA		24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,800.87	913.66
			<i>For Class 52 Rating, Deduct</i>	-265.82	
			<i>For Class 54 Rating, Add</i>	181.24	
			<i>For Class 55 Rating, Add</i>	402.84	
40 05 19 00-2962	EA		24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,025.06	916.75
			<i>For Class 52 Rating, Deduct</i>	-289.96	
			<i>For Class 54 Rating, Add</i>	197.70	
			<i>For Class 55 Rating, Add</i>	439.43	
40 05 19 00-2963	EA		24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,249.24	919.85
			<i>For Class 52 Rating, Deduct</i>	-314.11	
			<i>For Class 54 Rating, Add</i>	214.16	
			<i>For Class 55 Rating, Add</i>	476.02	
40 05 19 00-2964	EA		24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,473.43	922.95
			<i>For Class 52 Rating, Deduct</i>	-338.25	
			<i>For Class 54 Rating, Add</i>	230.63	
			<i>For Class 55 Rating, Add</i>	512.61	
40 05 19 00-2965	EA		24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,697.62	926.05
			<i>For Class 52 Rating, Deduct</i>	-362.40	
			<i>For Class 54 Rating, Add</i>	247.09	
			<i>For Class 55 Rating, Add</i>	549.20	
40 05 19 00-2966	EA		24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,921.81	929.15
			<i>For Class 52 Rating, Deduct</i>	-386.54	
			<i>For Class 54 Rating, Add</i>	263.55	
			<i>For Class 55 Rating, Add</i>	585.79	
40 05 19 00-2967	EA		24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,146.00	932.24
			<i>For Class 52 Rating, Deduct</i>	-410.69	
			<i>For Class 54 Rating, Add</i>	280.01	
			<i>For Class 55 Rating, Add</i>	622.38	
40 05 19 00-2968	EA		24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,370.18	935.34
			<i>For Class 52 Rating, Deduct</i>	-434.83	
			<i>For Class 54 Rating, Add</i>	296.48	
			<i>For Class 55 Rating, Add</i>	658.97	
40 05 19 00-2969	EA		24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,594.37	938.44
			<i>For Class 52 Rating, Deduct</i>	-458.98	
			<i>For Class 54 Rating, Add</i>	312.94	
			<i>For Class 55 Rating, Add</i>	695.56	
40 05 19 00-2970	EA		24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,818.56	941.54
			<i>For Class 52 Rating, Deduct</i>	-483.12	
			<i>For Class 54 Rating, Add</i>	329.40	
			<i>For Class 55 Rating, Add</i>	732.15	
40 05 19 00-2971	EA		24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,042.75	944.63
			<i>For Class 52 Rating, Deduct</i>	-507.26	
			<i>For Class 54 Rating, Add</i>	345.86	
			<i>For Class 55 Rating, Add</i>	768.74	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2972	EA		24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,266.94	947.72
			<i>For Class 52 Rating, Deduct</i>	-531.41	
			<i>For Class 54 Rating, Add</i>	362.32	
			<i>For Class 55 Rating, Add</i>	805.33	
40 05 19 00-2973	EA		24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,491.13	950.82
			<i>For Class 52 Rating, Deduct</i>	-555.55	
			<i>For Class 54 Rating, Add</i>	378.79	
			<i>For Class 55 Rating, Add</i>	841.92	
40 05 19 00-2974	EA		24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,715.32	953.92
			<i>For Class 52 Rating, Deduct</i>	-579.70	
			<i>For Class 54 Rating, Add</i>	395.25	
			<i>For Class 55 Rating, Add</i>	878.51	
40 05 19 00-2975	EA		24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,939.51	957.02
			<i>For Class 52 Rating, Deduct</i>	-603.84	
			<i>For Class 54 Rating, Add</i>	411.71	
			<i>For Class 55 Rating, Add</i>	915.10	
40 05 19 00-2976	EA		24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,163.71	960.12
			<i>For Class 52 Rating, Deduct</i>	-627.99	
			<i>For Class 54 Rating, Add</i>	428.17	
			<i>For Class 55 Rating, Add</i>	951.69	
40 05 19 00-2977	EA		24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,387.89	963.21
			<i>For Class 52 Rating, Deduct</i>	-652.13	
			<i>For Class 54 Rating, Add</i>	444.64	
			<i>For Class 55 Rating, Add</i>	988.28	
40 05 19 00-2978	EA		24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,612.08	966.31
			<i>For Class 52 Rating, Deduct</i>	-676.28	
			<i>For Class 54 Rating, Add</i>	461.10	
			<i>For Class 55 Rating, Add</i>	1,024.87	
40 05 19 00-2979	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,836.26	969.41
			<i>For Class 52 Rating, Deduct</i>	-700.42	
			<i>For Class 54 Rating, Add</i>	477.56	
			<i>For Class 55 Rating, Add</i>	1,061.46	
40 05 19 00-2980	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,060.45	972.51
			<i>For Class 52 Rating, Deduct</i>	-724.57	
			<i>For Class 54 Rating, Add</i>	494.02	
			<i>For Class 55 Rating, Add</i>	1,098.05	
40 05 19 00-2981	EA		24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,284.65	975.61
			<i>For Class 52 Rating, Deduct</i>	-748.71	
			<i>For Class 54 Rating, Add</i>	510.48	
			<i>For Class 55 Rating, Add</i>	1,134.64	
40 05 19 00-2982	EA		24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,508.83	978.70
			<i>For Class 52 Rating, Deduct</i>	-772.85	
			<i>For Class 54 Rating, Add</i>	526.95	
			<i>For Class 55 Rating, Add</i>	1,171.23	
40 05 19 00-2983	EA		24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,733.02	981.80
			<i>For Class 52 Rating, Deduct</i>	-797.00	
			<i>For Class 54 Rating, Add</i>	543.41	
			<i>For Class 55 Rating, Add</i>	1,207.82	
40 05 19 00-2984	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,957.21	984.89
			<i>For Class 52 Rating, Deduct</i>	-821.14	
			<i>For Class 54 Rating, Add</i>	559.87	
			<i>For Class 55 Rating, Add</i>	1,244.41	
40 05 19 00-2985	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,181.39	987.99
			<i>For Class 52 Rating, Deduct</i>	-845.29	
			<i>For Class 54 Rating, Add</i>	576.33	
			<i>For Class 55 Rating, Add</i>	1,281.00	
40 05 19 00-2986	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,405.59	991.09
			<i>For Class 52 Rating, Deduct</i>	-869.43	
			<i>For Class 54 Rating, Add</i>	592.80	
			<i>For Class 55 Rating, Add</i>	1,317.59	
40 05 19 00-2987	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,709.54	1,046.84
			<i>For Class 52 Rating, Deduct</i>	-893.58	
			<i>For Class 54 Rating, Add</i>	609.26	
			<i>For Class 55 Rating, Add</i>	1,354.18	
40 05 19 00-2988	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,933.74	1,049.94
			<i>For Class 52 Rating, Deduct</i>	-917.72	
			<i>For Class 54 Rating, Add</i>	625.72	
			<i>For Class 55 Rating, Add</i>	1,390.77	
40 05 19 00-2989	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,157.93	1,053.03
			<i>For Class 52 Rating, Deduct</i>	-941.87	
			<i>For Class 54 Rating, Add</i>	642.18	
			<i>For Class 55 Rating, Add</i>	1,427.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2990	EA		24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,382.11	1,056.13
			<i>For Class 52 Rating, Deduct</i>	-966.01	
			<i>For Class 54 Rating, Add</i>	658.64	
			<i>For Class 55 Rating, Add</i>	1,463.95	
40 05 19 00-2991	EA		24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,606.31	1,059.23
			<i>For Class 52 Rating, Deduct</i>	-990.16	
			<i>For Class 54 Rating, Add</i>	675.11	
			<i>For Class 55 Rating, Add</i>	1,500.54	
40 05 19 00-2992	EA		24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,829.46	1,062.32
			<i>For Class 52 Rating, Deduct</i>	-1,014.19	
			<i>For Class 54 Rating, Add</i>	691.49	
			<i>For Class 55 Rating, Add</i>	1,536.95	
40 05 19 00-2993	EA		24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,054.69	1,065.42
			<i>For Class 52 Rating, Deduct</i>	-1,038.45	
			<i>For Class 54 Rating, Add</i>	708.03	
			<i>For Class 55 Rating, Add</i>	1,573.72	
40 05 19 00-2994	EA		24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,278.88	1,068.51
			<i>For Class 52 Rating, Deduct</i>	-1,062.59	
			<i>For Class 54 Rating, Add</i>	724.49	
			<i>For Class 55 Rating, Add</i>	1,610.31	
40 05 19 00-2995	EA		24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,503.07	1,071.61
			<i>For Class 52 Rating, Deduct</i>	-1,086.74	
			<i>For Class 54 Rating, Add</i>	740.96	
			<i>For Class 55 Rating, Add</i>	1,646.90	
40 05 19 00-2996			30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2997	EA		30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,701.93	1,276.03
			<i>For Class 52 Rating, Deduct</i>	-304.54	
			<i>For Class 54 Rating, Add</i>	207.64	
			<i>For Class 55 Rating, Add</i>	461.52	
40 05 19 00-2998	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,021.37	1,279.13
			<i>For Class 52 Rating, Deduct</i>	-339.16	
			<i>For Class 54 Rating, Add</i>	231.25	
			<i>For Class 55 Rating, Add</i>	513.99	
40 05 19 00-2999	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,340.81	1,282.22
			<i>For Class 52 Rating, Deduct</i>	-373.79	
			<i>For Class 54 Rating, Add</i>	254.85	
			<i>For Class 55 Rating, Add</i>	566.45	
40 05 19 00-3000	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,660.25	1,285.32
			<i>For Class 52 Rating, Deduct</i>	-408.41	
			<i>For Class 54 Rating, Add</i>	278.46	
			<i>For Class 55 Rating, Add</i>	618.92	
40 05 19 00-3001	EA		30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,979.69	1,288.42
			<i>For Class 52 Rating, Deduct</i>	-443.03	
			<i>For Class 54 Rating, Add</i>	302.07	
			<i>For Class 55 Rating, Add</i>	671.39	
40 05 19 00-3002	EA		30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,299.14	1,291.51
			<i>For Class 52 Rating, Deduct</i>	-477.65	
			<i>For Class 54 Rating, Add</i>	325.67	
			<i>For Class 55 Rating, Add</i>	723.86	
40 05 19 00-3003	EA		30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,618.58	1,294.60
			<i>For Class 52 Rating, Deduct</i>	-512.28	
			<i>For Class 54 Rating, Add</i>	349.28	
			<i>For Class 55 Rating, Add</i>	776.33	
40 05 19 00-3004	EA		30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,938.02	1,297.70
			<i>For Class 52 Rating, Deduct</i>	-546.90	
			<i>For Class 54 Rating, Add</i>	372.89	
			<i>For Class 55 Rating, Add</i>	828.80	
40 05 19 00-3005	EA		30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,257.46	1,300.80
			<i>For Class 52 Rating, Deduct</i>	-581.52	
			<i>For Class 54 Rating, Add</i>	396.49	
			<i>For Class 55 Rating, Add</i>	881.27	
40 05 19 00-3006	EA		30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,576.90	1,303.90
			<i>For Class 52 Rating, Deduct</i>	-616.14	
			<i>For Class 54 Rating, Add</i>	420.10	
			<i>For Class 55 Rating, Add</i>	933.74	
40 05 19 00-3007	EA		30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,896.35	1,307.00
			<i>For Class 52 Rating, Deduct</i>	-650.77	
			<i>For Class 54 Rating, Add</i>	443.70	
			<i>For Class 55 Rating, Add</i>	986.21	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3008	EA		30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,215.79	1,310.09
			<i>For Class 52 Rating, Deduct</i>	-685.39	
			<i>For Class 54 Rating, Add</i>	467.31	
			<i>For Class 55 Rating, Add</i>	1,038.67	
40 05 19 00-3009	EA		30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,535.23	1,313.19
			<i>For Class 52 Rating, Deduct</i>	-720.01	
			<i>For Class 54 Rating, Add</i>	490.92	
			<i>For Class 55 Rating, Add</i>	1,091.14	
40 05 19 00-3010	EA		30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,854.68	1,316.29
			<i>For Class 52 Rating, Deduct</i>	-754.63	
			<i>For Class 54 Rating, Add</i>	514.52	
			<i>For Class 55 Rating, Add</i>	1,143.61	
40 05 19 00-3011	EA		30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,174.11	1,319.39
			<i>For Class 52 Rating, Deduct</i>	-789.25	
			<i>For Class 54 Rating, Add</i>	538.13	
			<i>For Class 55 Rating, Add</i>	1,196.08	
40 05 19 00-3012	EA		30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,493.56	1,322.49
			<i>For Class 52 Rating, Deduct</i>	-823.88	
			<i>For Class 54 Rating, Add</i>	561.73	
			<i>For Class 55 Rating, Add</i>	1,248.55	
40 05 19 00-3013	EA		30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,813.00	1,325.58
			<i>For Class 52 Rating, Deduct</i>	-858.50	
			<i>For Class 54 Rating, Add</i>	585.34	
			<i>For Class 55 Rating, Add</i>	1,301.02	
40 05 19 00-3014	EA		30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,132.44	1,328.68
			<i>For Class 52 Rating, Deduct</i>	-893.12	
			<i>For Class 54 Rating, Add</i>	608.95	
			<i>For Class 55 Rating, Add</i>	1,353.49	
40 05 19 00-3015	EA		30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,451.88	1,331.77
			<i>For Class 52 Rating, Deduct</i>	-927.74	
			<i>For Class 54 Rating, Add</i>	632.55	
			<i>For Class 55 Rating, Add</i>	1,405.95	
40 05 19 00-3016	EA		30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,771.32	1,334.87
			<i>For Class 52 Rating, Deduct</i>	-962.37	
			<i>For Class 54 Rating, Add</i>	656.16	
			<i>For Class 55 Rating, Add</i>	1,458.42	
40 05 19 00-3017	EA		30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,090.77	1,337.97
			<i>For Class 52 Rating, Deduct</i>	-996.99	
			<i>For Class 54 Rating, Add</i>	679.77	
			<i>For Class 55 Rating, Add</i>	1,510.89	
40 05 19 00-3018	EA		30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,410.21	1,341.06
			<i>For Class 52 Rating, Deduct</i>	-1,031.61	
			<i>For Class 54 Rating, Add</i>	703.37	
			<i>For Class 55 Rating, Add</i>	1,563.36	
40 05 19 00-3019	EA		30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,729.65	1,344.16
			<i>For Class 52 Rating, Deduct</i>	-1,066.23	
			<i>For Class 54 Rating, Add</i>	726.98	
			<i>For Class 55 Rating, Add</i>	1,615.83	
40 05 19 00-3020	EA		30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,049.09	1,347.26
			<i>For Class 52 Rating, Deduct</i>	-1,100.86	
			<i>For Class 54 Rating, Add</i>	750.58	
			<i>For Class 55 Rating, Add</i>	1,668.30	
40 05 19 00-3021	EA		30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,368.53	1,350.36
			<i>For Class 52 Rating, Deduct</i>	-1,135.48	
			<i>For Class 54 Rating, Add</i>	774.19	
			<i>For Class 55 Rating, Add</i>	1,720.77	
40 05 19 00-3022	EA		30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,687.98	1,353.46
			<i>For Class 52 Rating, Deduct</i>	-1,170.10	
			<i>For Class 54 Rating, Add</i>	797.80	
			<i>For Class 55 Rating, Add</i>	1,773.24	
40 05 19 00-3023	EA		30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,007.42	1,356.55
			<i>For Class 52 Rating, Deduct</i>	-1,204.72	
			<i>For Class 54 Rating, Add</i>	821.40	
			<i>For Class 55 Rating, Add</i>	1,825.71	
40 05 19 00-3024	EA		30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,326.86	1,359.65
			<i>For Class 52 Rating, Deduct</i>	-1,239.35	
			<i>For Class 54 Rating, Add</i>	845.01	
			<i>For Class 55 Rating, Add</i>	1,878.17	
40 05 19 00-3025	EA		30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,646.30	1,362.75
			<i>For Class 52 Rating, Deduct</i>	-1,273.97	
			<i>For Class 54 Rating, Add</i>	868.62	
			<i>For Class 55 Rating, Add</i>	1,930.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3026	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,965.75	1,365.85
			<i>For Class 52 Rating, Deduct</i>	-1,308.59	
			<i>For Class 54 Rating, Add</i>	892.22	
			<i>For Class 55 Rating, Add</i>	1,963.11	
40 05 19 00-3027	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,285.20	1,368.94
			<i>For Class 52 Rating, Deduct</i>	-1,343.21	
			<i>For Class 54 Rating, Add</i>	915.83	
			<i>For Class 55 Rating, Add</i>	2,035.58	
40 05 19 00-3028	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,604.64	1,372.03
			<i>For Class 52 Rating, Deduct</i>	-1,377.84	
			<i>For Class 54 Rating, Add</i>	939.43	
			<i>For Class 55 Rating, Add</i>	2,088.05	
40 05 19 00-3029	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,924.07	1,375.13
			<i>For Class 52 Rating, Deduct</i>	-1,412.46	
			<i>For Class 54 Rating, Add</i>	963.04	
			<i>For Class 55 Rating, Add</i>	2,140.52	
40 05 19 00-3030	EA		30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,243.51	1,378.23
			<i>For Class 52 Rating, Deduct</i>	-1,447.08	
			<i>For Class 54 Rating, Add</i>	986.65	
			<i>For Class 55 Rating, Add</i>	2,192.99	
40 05 19 00-3031	EA		30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,562.96	1,381.33
			<i>For Class 52 Rating, Deduct</i>	-1,481.70	
			<i>For Class 54 Rating, Add</i>	1,010.25	
			<i>For Class 55 Rating, Add</i>	2,245.45	
40 05 19 00-3032			36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-3033	EA		36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,364.26	1,616.71
			<i>For Class 52 Rating, Deduct</i>	-430.62	
			<i>For Class 54 Rating, Add</i>	293.60	
			<i>For Class 55 Rating, Add</i>	652.58	
40 05 19 00-3034	EA		36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,791.37	1,619.81
			<i>For Class 52 Rating, Deduct</i>	-477.08	
			<i>For Class 54 Rating, Add</i>	325.28	
			<i>For Class 55 Rating, Add</i>	723.00	
40 05 19 00-3035	EA		36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,218.50	1,622.91
			<i>For Class 52 Rating, Deduct</i>	-523.55	
			<i>For Class 54 Rating, Add</i>	356.97	
			<i>For Class 55 Rating, Add</i>	793.42	
40 05 19 00-3036	EA		36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,645.63	1,626.01
			<i>For Class 52 Rating, Deduct</i>	-570.02	
			<i>For Class 54 Rating, Add</i>	388.65	
			<i>For Class 55 Rating, Add</i>	863.84	
40 05 19 00-3037	EA		36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,072.74	1,629.10
			<i>For Class 52 Rating, Deduct</i>	-616.48	
			<i>For Class 54 Rating, Add</i>	420.33	
			<i>For Class 55 Rating, Add</i>	934.25	
40 05 19 00-3038	EA		36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,499.86	1,632.20
			<i>For Class 52 Rating, Deduct</i>	-662.95	
			<i>For Class 54 Rating, Add</i>	452.01	
			<i>For Class 55 Rating, Add</i>	1,004.67	
40 05 19 00-3039	EA		36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,926.98	1,635.30
			<i>For Class 52 Rating, Deduct</i>	-709.42	
			<i>For Class 54 Rating, Add</i>	483.69	
			<i>For Class 55 Rating, Add</i>	1,075.09	
40 05 19 00-3040	EA		36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,354.10	1,638.40
			<i>For Class 52 Rating, Deduct</i>	-755.88	
			<i>For Class 54 Rating, Add</i>	515.38	
			<i>For Class 55 Rating, Add</i>	1,145.51	
40 05 19 00-3041	EA		36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,781.22	1,641.49
			<i>For Class 52 Rating, Deduct</i>	-802.35	
			<i>For Class 54 Rating, Add</i>	547.06	
			<i>For Class 55 Rating, Add</i>	1,215.93	
40 05 19 00-3042	EA		36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,208.34	1,644.58
			<i>For Class 52 Rating, Deduct</i>	-848.82	
			<i>For Class 54 Rating, Add</i>	578.74	
			<i>For Class 55 Rating, Add</i>	1,286.35	
40 05 19 00-3043	EA		36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,635.45	1,647.68
			<i>For Class 52 Rating, Deduct</i>	-895.29	
			<i>For Class 54 Rating, Add</i>	610.42	
			<i>For Class 55 Rating, Add</i>	1,356.76	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3044	EA		36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,062.57	1,650.78
			<i>For Class 52 Rating, Deduct</i>	-941.75	
			<i>For Class 54 Rating, Add</i>	642.10	
			<i>For Class 55 Rating, Add</i>	1,427.18	
40 05 19 00-3045	EA		36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,489.70	1,653.88
			<i>For Class 52 Rating, Deduct</i>	-988.22	
			<i>For Class 54 Rating, Add</i>	673.79	
			<i>For Class 55 Rating, Add</i>	1,497.60	
40 05 19 00-3046	EA		36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,916.82	1,656.98
			<i>For Class 52 Rating, Deduct</i>	-1,034.69	
			<i>For Class 54 Rating, Add</i>	705.47	
			<i>For Class 55 Rating, Add</i>	1,568.02	
40 05 19 00-3047	EA		36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,343.93	1,660.07
			<i>For Class 52 Rating, Deduct</i>	-1,081.15	
			<i>For Class 54 Rating, Add</i>	737.15	
			<i>For Class 55 Rating, Add</i>	1,638.44	
40 05 19 00-3048	EA		36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,771.05	1,663.17
			<i>For Class 52 Rating, Deduct</i>	-1,127.62	
			<i>For Class 54 Rating, Add</i>	768.83	
			<i>For Class 55 Rating, Add</i>	1,708.86	
40 05 19 00-3049	EA		36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,198.17	1,666.27
			<i>For Class 52 Rating, Deduct</i>	-1,174.09	
			<i>For Class 54 Rating, Add</i>	800.51	
			<i>For Class 55 Rating, Add</i>	1,779.28	
40 05 19 00-3050	EA		36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,625.29	1,669.37
			<i>For Class 52 Rating, Deduct</i>	-1,220.55	
			<i>For Class 54 Rating, Add</i>	832.20	
			<i>For Class 55 Rating, Add</i>	1,849.69	
40 05 19 00-3051	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,052.41	1,672.47
			<i>For Class 52 Rating, Deduct</i>	-1,267.02	
			<i>For Class 54 Rating, Add</i>	863.88	
			<i>For Class 55 Rating, Add</i>	1,920.11	
40 05 19 00-3052	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,479.53	1,675.56
			<i>For Class 52 Rating, Deduct</i>	-1,313.49	
			<i>For Class 54 Rating, Add</i>	895.56	
			<i>For Class 55 Rating, Add</i>	1,990.53	
40 05 19 00-3053	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,906.65	1,678.65
			<i>For Class 52 Rating, Deduct</i>	-1,359.96	
			<i>For Class 54 Rating, Add</i>	927.24	
			<i>For Class 55 Rating, Add</i>	2,060.95	
40 05 19 00-3054	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,333.77	1,681.75
			<i>For Class 52 Rating, Deduct</i>	-1,406.42	
			<i>For Class 54 Rating, Add</i>	958.92	
			<i>For Class 55 Rating, Add</i>	2,131.37	
40 05 19 00-3055	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,760.90	1,684.85
			<i>For Class 52 Rating, Deduct</i>	-1,452.89	
			<i>For Class 54 Rating, Add</i>	990.61	
			<i>For Class 55 Rating, Add</i>	2,201.79	
40 05 19 00-3056	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,188.01	1,687.95
			<i>For Class 52 Rating, Deduct</i>	-1,499.36	
			<i>For Class 54 Rating, Add</i>	1,022.29	
			<i>For Class 55 Rating, Add</i>	2,272.21	
40 05 19 00-3057	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,615.13	1,691.04
			<i>For Class 52 Rating, Deduct</i>	-1,545.82	
			<i>For Class 54 Rating, Add</i>	1,053.97	
			<i>For Class 55 Rating, Add</i>	2,342.63	
40 05 19 00-3058	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,042.25	1,694.14
			<i>For Class 52 Rating, Deduct</i>	-1,592.29	
			<i>For Class 54 Rating, Add</i>	1,085.65	
			<i>For Class 55 Rating, Add</i>	2,413.04	
40 05 19 00-3059	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,469.37	1,697.24
			<i>For Class 52 Rating, Deduct</i>	-1,638.76	
			<i>For Class 54 Rating, Add</i>	1,117.34	
			<i>For Class 55 Rating, Add</i>	2,483.46	
40 05 19 00-3060	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,896.49	1,700.34
			<i>For Class 52 Rating, Deduct</i>	-1,685.22	
			<i>For Class 54 Rating, Add</i>	1,149.02	
			<i>For Class 55 Rating, Add</i>	2,553.88	
40 05 19 00-3061	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,323.61	1,703.44
			<i>For Class 52 Rating, Deduct</i>	-1,731.69	
			<i>For Class 54 Rating, Add</i>	1,180.70	
			<i>For Class 55 Rating, Add</i>	2,624.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3062	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,750.73	1,706.53
			<i>For Class 52 Rating, Deduct</i>	-1,778.16	
			<i>For Class 54 Rating, Add</i>	1,212.38	
			<i>For Class 55 Rating, Add</i>	2,694.72	
40 05 19 00-3063	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,177.84	1,709.63
			<i>For Class 52 Rating, Deduct</i>	-1,824.63	
			<i>For Class 54 Rating, Add</i>	1,244.06	
			<i>For Class 55 Rating, Add</i>	2,765.14	
40 05 19 00-3064	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,604.96	1,712.73
			<i>For Class 52 Rating, Deduct</i>	-1,871.09	
			<i>For Class 54 Rating, Add</i>	1,275.74	
			<i>For Class 55 Rating, Add</i>	2,835.56	
40 05 19 00-3065	EA		36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,032.09	1,715.82
			<i>For Class 52 Rating, Deduct</i>	-1,917.56	
			<i>For Class 54 Rating, Add</i>	1,307.43	
			<i>For Class 55 Rating, Add</i>	2,905.97	
40 05 19 00-3066	EA		36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,459.20	1,718.91
			<i>For Class 52 Rating, Deduct</i>	-1,964.03	
			<i>For Class 54 Rating, Add</i>	1,339.11	
			<i>For Class 55 Rating, Add</i>	2,976.39	
40 05 19 00-3067	EA		36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,886.32	1,722.01
			<i>For Class 52 Rating, Deduct</i>	-2,010.49	
			<i>For Class 54 Rating, Add</i>	1,370.79	
			<i>For Class 55 Rating, Add</i>	3,046.81	
40 05 19 00-3068			Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2059)</small>		
40 05 19 00-3069			4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3070	EA		4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	404.47	151.47
			<i>For Class 52 Rating, Deduct</i>	-19.25	
			<i>For Class 54 Rating, Add</i>	13.12	
			<i>For Class 55 Rating, Add</i>	29.17	
40 05 19 00-3071	EA		4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	447.83	154.12
			<i>For Class 52 Rating, Deduct</i>	-23.58	
			<i>For Class 54 Rating, Add</i>	16.07	
			<i>For Class 55 Rating, Add</i>	35.73	
40 05 19 00-3072	EA		4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	491.18	156.77
			<i>For Class 52 Rating, Deduct</i>	-27.90	
			<i>For Class 54 Rating, Add</i>	19.02	
			<i>For Class 55 Rating, Add</i>	42.29	
40 05 19 00-3073	EA		4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	534.55	159.41
			<i>For Class 52 Rating, Deduct</i>	-32.23	
			<i>For Class 54 Rating, Add</i>	21.98	
			<i>For Class 55 Rating, Add</i>	48.84	
40 05 19 00-3074	EA		4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	577.89	162.06
			<i>For Class 52 Rating, Deduct</i>	-36.56	
			<i>For Class 54 Rating, Add</i>	24.93	
			<i>For Class 55 Rating, Add</i>	55.40	
40 05 19 00-3075	EA		4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	621.24	164.71
			<i>For Class 52 Rating, Deduct</i>	-40.89	
			<i>For Class 54 Rating, Add</i>	27.88	
			<i>For Class 55 Rating, Add</i>	61.96	
40 05 19 00-3076	EA		4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	664.61	167.36
			<i>For Class 52 Rating, Deduct</i>	-45.21	
			<i>For Class 54 Rating, Add</i>	30.83	
			<i>For Class 55 Rating, Add</i>	68.52	
40 05 19 00-3077	EA		4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	707.96	170.00
			<i>For Class 52 Rating, Deduct</i>	-49.54	
			<i>For Class 54 Rating, Add</i>	33.78	
			<i>For Class 55 Rating, Add</i>	75.08	
40 05 19 00-3078	EA		4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	751.32	172.65
			<i>For Class 52 Rating, Deduct</i>	-53.87	
			<i>For Class 54 Rating, Add</i>	36.73	
			<i>For Class 55 Rating, Add</i>	81.64	
40 05 19 00-3079	EA		4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	794.67	175.31
			<i>For Class 52 Rating, Deduct</i>	-58.20	
			<i>For Class 54 Rating, Add</i>	39.68	
			<i>For Class 55 Rating, Add</i>	88.20	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3080	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	838.03	177.95
			<i>For Class 52 Rating, Deduct</i>	-62.53	
			<i>For Class 54 Rating, Add</i>	42.63	
			<i>For Class 55 Rating, Add</i>	94.75	
40 05 19 00-3081	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	881.39	180.60
			<i>For Class 52 Rating, Deduct</i>	-66.85	
			<i>For Class 54 Rating, Add</i>	45.58	
			<i>For Class 55 Rating, Add</i>	101.31	
40 05 19 00-3082	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	924.75	183.25
			<i>For Class 52 Rating, Deduct</i>	-71.18	
			<i>For Class 54 Rating, Add</i>	48.53	
			<i>For Class 55 Rating, Add</i>	107.87	
40 05 19 00-3083	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	968.09	185.89
			<i>For Class 52 Rating, Deduct</i>	-75.51	
			<i>For Class 54 Rating, Add</i>	51.48	
			<i>For Class 55 Rating, Add</i>	114.43	
40 05 19 00-3084	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,011.45	188.54
			<i>For Class 52 Rating, Deduct</i>	-79.84	
			<i>For Class 54 Rating, Add</i>	54.43	
			<i>For Class 55 Rating, Add</i>	120.99	
40 05 19 00-3085	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,054.81	191.19
			<i>For Class 52 Rating, Deduct</i>	-84.16	
			<i>For Class 54 Rating, Add</i>	57.38	
			<i>For Class 55 Rating, Add</i>	127.55	
40 05 19 00-3086	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,098.16	193.84
			<i>For Class 52 Rating, Deduct</i>	-88.49	
			<i>For Class 54 Rating, Add</i>	60.34	
			<i>For Class 55 Rating, Add</i>	134.11	
40 05 19 00-3087	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,141.52	196.48
			<i>For Class 52 Rating, Deduct</i>	-92.82	
			<i>For Class 54 Rating, Add</i>	63.29	
			<i>For Class 55 Rating, Add</i>	140.66	
40 05 19 00-3088	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,184.87	199.13
			<i>For Class 52 Rating, Deduct</i>	-97.15	
			<i>For Class 54 Rating, Add</i>	66.24	
			<i>For Class 55 Rating, Add</i>	147.22	
40 05 19 00-3089	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,228.24	201.79
			<i>For Class 52 Rating, Deduct</i>	-101.48	
			<i>For Class 54 Rating, Add</i>	69.19	
			<i>For Class 55 Rating, Add</i>	153.78	
40 05 19 00-3090	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,271.59	204.44
			<i>For Class 52 Rating, Deduct</i>	-105.80	
			<i>For Class 54 Rating, Add</i>	72.14	
			<i>For Class 55 Rating, Add</i>	160.34	
40 05 19 00-3091	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,314.95	207.08
			<i>For Class 52 Rating, Deduct</i>	-110.13	
			<i>For Class 54 Rating, Add</i>	75.09	
			<i>For Class 55 Rating, Add</i>	166.90	
40 05 19 00-3092	EA		4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,358.30	209.72
			<i>For Class 52 Rating, Deduct</i>	-114.46	
			<i>For Class 54 Rating, Add</i>	78.04	
			<i>For Class 55 Rating, Add</i>	173.46	
40 05 19 00-3093	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,401.65	212.37
			<i>For Class 52 Rating, Deduct</i>	-118.79	
			<i>For Class 54 Rating, Add</i>	80.99	
			<i>For Class 55 Rating, Add</i>	180.02	
40 05 19 00-3094	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,546.48	215.02
			<i>For Class 52 Rating, Deduct</i>	-134.28	
			<i>For Class 54 Rating, Add</i>	91.55	
			<i>For Class 55 Rating, Add</i>	203.49	
40 05 19 00-3095	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,589.83	217.67
			<i>For Class 52 Rating, Deduct</i>	-138.60	
			<i>For Class 54 Rating, Add</i>	94.50	
			<i>For Class 55 Rating, Add</i>	210.05	
40 05 19 00-3096	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,633.19	220.32
			<i>For Class 52 Rating, Deduct</i>	-142.93	
			<i>For Class 54 Rating, Add</i>	97.45	
			<i>For Class 55 Rating, Add</i>	216.61	
40 05 19 00-3097	EA		4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,676.54	222.97
			<i>For Class 52 Rating, Deduct</i>	-147.26	
			<i>For Class 54 Rating, Add</i>	100.40	
			<i>For Class 55 Rating, Add</i>	223.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3098	EA		4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,719.90	225.61
			<i>For Class 52 Rating, Deduct</i>	-151.59	
			<i>For Class 54 Rating, Add</i>	103.35	
			<i>For Class 55 Rating, Add</i>	229.72	
40 05 19 00-3099	EA		4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,763.26	228.26
			<i>For Class 52 Rating, Deduct</i>	-155.92	
			<i>For Class 54 Rating, Add</i>	106.31	
			<i>For Class 55 Rating, Add</i>	236.28	
40 05 19 00-3100	EA		4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,806.61	230.92
			<i>For Class 52 Rating, Deduct</i>	-160.24	
			<i>For Class 54 Rating, Add</i>	109.26	
			<i>For Class 55 Rating, Add</i>	242.84	
40 05 19 00-3101	EA		4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,849.97	233.57
			<i>For Class 52 Rating, Deduct</i>	-164.57	
			<i>For Class 54 Rating, Add</i>	112.21	
			<i>For Class 55 Rating, Add</i>	249.40	
40 05 19 00-3102	EA		4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,893.32	236.20
			<i>For Class 52 Rating, Deduct</i>	-168.90	
			<i>For Class 54 Rating, Add</i>	115.16	
			<i>For Class 55 Rating, Add</i>	255.96	
40 05 19 00-3103	EA		4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,936.68	238.85
			<i>For Class 52 Rating, Deduct</i>	-173.23	
			<i>For Class 54 Rating, Add</i>	118.11	
			<i>For Class 55 Rating, Add</i>	262.52	
40 05 19 00-3104	EA		4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,980.04	241.50
			<i>For Class 52 Rating, Deduct</i>	-177.55	
			<i>For Class 54 Rating, Add</i>	121.06	
			<i>For Class 55 Rating, Add</i>	269.08	
40 05 19 00-3105	EA		4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,023.40	244.15
			<i>For Class 52 Rating, Deduct</i>	-181.88	
			<i>For Class 54 Rating, Add</i>	124.01	
			<i>For Class 55 Rating, Add</i>	275.63	
40 05 19 00-3106	EA		4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,066.74	246.80
			<i>For Class 52 Rating, Deduct</i>	-186.21	
			<i>For Class 54 Rating, Add</i>	126.96	
			<i>For Class 55 Rating, Add</i>	282.19	
40 05 19 00-3107	EA		4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,110.11	249.45
			<i>For Class 52 Rating, Deduct</i>	-190.54	
			<i>For Class 54 Rating, Add</i>	129.91	
			<i>For Class 55 Rating, Add</i>	288.75	
40 05 19 00-3108	EA		4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,153.46	252.10
			<i>For Class 52 Rating, Deduct</i>	-194.87	
			<i>For Class 54 Rating, Add</i>	132.86	
			<i>For Class 55 Rating, Add</i>	295.31	
40 05 19 00-3109			6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3110	EA		6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	501.13	190.66
			<i>For Class 52 Rating, Deduct</i>	-23.35	
			<i>For Class 54 Rating, Add</i>	15.92	
			<i>For Class 55 Rating, Add</i>	35.38	
40 05 19 00-3111	EA		6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	550.69	193.31
			<i>For Class 52 Rating, Deduct</i>	-28.36	
			<i>For Class 54 Rating, Add</i>	19.34	
			<i>For Class 55 Rating, Add</i>	42.98	
40 05 19 00-3112	EA		6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	600.27	195.95
			<i>For Class 52 Rating, Deduct</i>	-33.37	
			<i>For Class 54 Rating, Add</i>	22.75	
			<i>For Class 55 Rating, Add</i>	50.57	
40 05 19 00-3113	EA		6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	649.84	198.60
			<i>For Class 52 Rating, Deduct</i>	-38.38	
			<i>For Class 54 Rating, Add</i>	26.17	
			<i>For Class 55 Rating, Add</i>	58.16	
40 05 19 00-3114	EA		6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	699.40	201.26
			<i>For Class 52 Rating, Deduct</i>	-43.39	
			<i>For Class 54 Rating, Add</i>	29.59	
			<i>For Class 55 Rating, Add</i>	65.76	
40 05 19 00-3115	EA		6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	748.97	203.90
			<i>For Class 52 Rating, Deduct</i>	-48.40	
			<i>For Class 54 Rating, Add</i>	33.00	
			<i>For Class 55 Rating, Add</i>	73.35	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3116	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	798.53	206.55
			<i>For Class 52 Rating, Deduct</i>	-53.41	
			<i>For Class 54 Rating, Add</i>	36.42	
			<i>For Class 55 Rating, Add</i>	80.95	
40 05 19 00-3117	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	848.11	209.20
			<i>For Class 52 Rating, Deduct</i>	-58.43	
			<i>For Class 54 Rating, Add</i>	39.84	
			<i>For Class 55 Rating, Add</i>	88.54	
40 05 19 00-3118	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	897.67	211.85
			<i>For Class 52 Rating, Deduct</i>	-63.44	
			<i>For Class 54 Rating, Add</i>	43.25	
			<i>For Class 55 Rating, Add</i>	96.14	
40 05 19 00-3119	EA		6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	947.24	214.48
			<i>For Class 52 Rating, Deduct</i>	-68.45	
			<i>For Class 54 Rating, Add</i>	46.67	
			<i>For Class 55 Rating, Add</i>	103.73	
40 05 19 00-3120	EA		6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	996.81	217.14
			<i>For Class 52 Rating, Deduct</i>	-73.46	
			<i>For Class 54 Rating, Add</i>	50.09	
			<i>For Class 55 Rating, Add</i>	111.32	
40 05 19 00-3121	EA		6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,046.38	219.79
			<i>For Class 52 Rating, Deduct</i>	-78.47	
			<i>For Class 54 Rating, Add</i>	53.50	
			<i>For Class 55 Rating, Add</i>	118.92	
40 05 19 00-3122	EA		6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,095.95	222.43
			<i>For Class 52 Rating, Deduct</i>	-83.48	
			<i>For Class 54 Rating, Add</i>	56.92	
			<i>For Class 55 Rating, Add</i>	126.51	
40 05 19 00-3123	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,145.51	225.08
			<i>For Class 52 Rating, Deduct</i>	-88.49	
			<i>For Class 54 Rating, Add</i>	60.34	
			<i>For Class 55 Rating, Add</i>	134.11	
40 05 19 00-3124	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,195.08	227.73
			<i>For Class 52 Rating, Deduct</i>	-93.50	
			<i>For Class 54 Rating, Add</i>	63.75	
			<i>For Class 55 Rating, Add</i>	141.70	
40 05 19 00-3125	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,244.65	230.39
			<i>For Class 52 Rating, Deduct</i>	-98.51	
			<i>For Class 54 Rating, Add</i>	67.17	
			<i>For Class 55 Rating, Add</i>	149.29	
40 05 19 00-3126	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,294.22	233.03
			<i>For Class 52 Rating, Deduct</i>	-103.53	
			<i>For Class 54 Rating, Add</i>	70.59	
			<i>For Class 55 Rating, Add</i>	156.89	
40 05 19 00-3127	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,343.78	235.68
			<i>For Class 52 Rating, Deduct</i>	-108.54	
			<i>For Class 54 Rating, Add</i>	74.00	
			<i>For Class 55 Rating, Add</i>	164.48	
40 05 19 00-3128	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,393.35	238.33
			<i>For Class 52 Rating, Deduct</i>	-113.55	
			<i>For Class 54 Rating, Add</i>	77.42	
			<i>For Class 55 Rating, Add</i>	172.08	
40 05 19 00-3129	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,442.92	240.98
			<i>For Class 52 Rating, Deduct</i>	-118.56	
			<i>For Class 54 Rating, Add</i>	80.84	
			<i>For Class 55 Rating, Add</i>	179.67	
40 05 19 00-3130	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,492.50	243.62
			<i>For Class 52 Rating, Deduct</i>	-123.57	
			<i>For Class 54 Rating, Add</i>	84.25	
			<i>For Class 55 Rating, Add</i>	187.27	
40 05 19 00-3131	EA		6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,542.06	246.27
			<i>For Class 52 Rating, Deduct</i>	-128.58	
			<i>For Class 54 Rating, Add</i>	87.67	
			<i>For Class 55 Rating, Add</i>	194.86	
40 05 19 00-3132	EA		6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,591.62	248.92
			<i>For Class 52 Rating, Deduct</i>	-133.59	
			<i>For Class 54 Rating, Add</i>	91.09	
			<i>For Class 55 Rating, Add</i>	202.45	
40 05 19 00-3133	EA		6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,641.19	251.56
			<i>For Class 52 Rating, Deduct</i>	-138.60	
			<i>For Class 54 Rating, Add</i>	94.50	
			<i>For Class 55 Rating, Add</i>	210.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3134	EA		6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,690.76	254.21
			<i>For Class 52 Rating, Deduct</i>	-143.61	
			<i>For Class 54 Rating, Add</i>	97.92	
			<i>For Class 55 Rating, Add</i>	217.64	
40 05 19 00-3135	EA		6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,740.33	256.87
			<i>For Class 52 Rating, Deduct</i>	-148.63	
			<i>For Class 54 Rating, Add</i>	101.34	
			<i>For Class 55 Rating, Add</i>	225.24	
40 05 19 00-3136	EA		6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,789.89	259.52
			<i>For Class 52 Rating, Deduct</i>	-153.64	
			<i>For Class 54 Rating, Add</i>	104.75	
			<i>For Class 55 Rating, Add</i>	232.83	
40 05 19 00-3137	EA		6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,839.47	262.16
			<i>For Class 52 Rating, Deduct</i>	-158.65	
			<i>For Class 54 Rating, Add</i>	108.17	
			<i>For Class 55 Rating, Add</i>	240.42	
40 05 19 00-3138	EA		6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,889.03	264.81
			<i>For Class 52 Rating, Deduct</i>	-163.66	
			<i>For Class 54 Rating, Add</i>	111.59	
			<i>For Class 55 Rating, Add</i>	248.02	
40 05 19 00-3139	EA		6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,938.61	267.45
			<i>For Class 52 Rating, Deduct</i>	-168.67	
			<i>For Class 54 Rating, Add</i>	115.00	
			<i>For Class 55 Rating, Add</i>	255.61	
40 05 19 00-3140	EA		6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,988.17	270.09
			<i>For Class 52 Rating, Deduct</i>	-173.68	
			<i>For Class 54 Rating, Add</i>	118.42	
			<i>For Class 55 Rating, Add</i>	263.21	
40 05 19 00-3141	EA		6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,037.73	272.75
			<i>For Class 52 Rating, Deduct</i>	-178.69	
			<i>For Class 54 Rating, Add</i>	121.84	
			<i>For Class 55 Rating, Add</i>	270.80	
40 05 19 00-3142	EA		6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,087.31	275.40
			<i>For Class 52 Rating, Deduct</i>	-183.70	
			<i>For Class 54 Rating, Add</i>	125.25	
			<i>For Class 55 Rating, Add</i>	278.40	
40 05 19 00-3143	EA		6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,136.87	278.05
			<i>For Class 52 Rating, Deduct</i>	-188.71	
			<i>For Class 54 Rating, Add</i>	128.67	
			<i>For Class 55 Rating, Add</i>	285.99	
40 05 19 00-3144	EA		6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,186.45	280.69
			<i>For Class 52 Rating, Deduct</i>	-193.73	
			<i>For Class 54 Rating, Add</i>	132.09	
			<i>For Class 55 Rating, Add</i>	293.58	
40 05 19 00-3145	EA		6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,236.01	283.34
			<i>For Class 52 Rating, Deduct</i>	-198.74	
			<i>For Class 54 Rating, Add</i>	135.50	
			<i>For Class 55 Rating, Add</i>	301.18	
40 05 19 00-3146	EA		6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,285.58	286.00
			<i>For Class 52 Rating, Deduct</i>	-203.75	
			<i>For Class 54 Rating, Add</i>	138.92	
			<i>For Class 55 Rating, Add</i>	308.77	
40 05 19 00-3147	EA		6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,335.14	288.64
			<i>For Class 52 Rating, Deduct</i>	-208.76	
			<i>For Class 54 Rating, Add</i>	142.34	
			<i>For Class 55 Rating, Add</i>	316.36	
40 05 19 00-3148	EA		6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,384.72	291.28
			<i>For Class 52 Rating, Deduct</i>	-213.77	
			<i>For Class 54 Rating, Add</i>	145.75	
			<i>For Class 55 Rating, Add</i>	323.96	
40 05 19 00-3149			8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3150	EA		8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	668.35	243.62
			<i>For Class 52 Rating, Deduct</i>	-32.91	
			<i>For Class 54 Rating, Add</i>	22.44	
			<i>For Class 55 Rating, Add</i>	49.88	
40 05 19 00-3151	EA		8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	731.37	246.27
			<i>For Class 52 Rating, Deduct</i>	-39.41	
			<i>For Class 54 Rating, Add</i>	26.87	
			<i>For Class 55 Rating, Add</i>	59.72	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3152	EA		8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	794.39	248.92
			<i>For Class 52 Rating, Deduct</i>	-45.90	
			<i>For Class 54 Rating, Add</i>	31.29	
			<i>For Class 55 Rating, Add</i>	69.56	
40 05 19 00-3153	EA		8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	857.43	251.56
			<i>For Class 52 Rating, Deduct</i>	-52.39	
			<i>For Class 54 Rating, Add</i>	35.72	
			<i>For Class 55 Rating, Add</i>	79.39	
40 05 19 00-3154	EA		8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	920.45	254.21
			<i>For Class 52 Rating, Deduct</i>	-58.88	
			<i>For Class 54 Rating, Add</i>	40.15	
			<i>For Class 55 Rating, Add</i>	89.23	
40 05 19 00-3155	EA		8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	983.49	256.87
			<i>For Class 52 Rating, Deduct</i>	-65.37	
			<i>For Class 54 Rating, Add</i>	44.57	
			<i>For Class 55 Rating, Add</i>	99.07	
40 05 19 00-3156	EA		8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,046.50	259.52
			<i>For Class 52 Rating, Deduct</i>	-71.86	
			<i>For Class 54 Rating, Add</i>	49.00	
			<i>For Class 55 Rating, Add</i>	108.91	
40 05 19 00-3157	EA		8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,109.54	262.16
			<i>For Class 52 Rating, Deduct</i>	-78.36	
			<i>For Class 54 Rating, Add</i>	53.42	
			<i>For Class 55 Rating, Add</i>	118.75	
40 05 19 00-3158	EA		8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,172.56	264.81
			<i>For Class 52 Rating, Deduct</i>	-84.85	
			<i>For Class 54 Rating, Add</i>	57.85	
			<i>For Class 55 Rating, Add</i>	128.58	
40 05 19 00-3159	EA		8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,235.60	267.45
			<i>For Class 52 Rating, Deduct</i>	-91.34	
			<i>For Class 54 Rating, Add</i>	62.28	
			<i>For Class 55 Rating, Add</i>	138.42	
40 05 19 00-3160	EA		8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,298.62	270.09
			<i>For Class 52 Rating, Deduct</i>	-97.83	
			<i>For Class 54 Rating, Add</i>	66.70	
			<i>For Class 55 Rating, Add</i>	148.26	
40 05 19 00-3161	EA		8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,361.64	272.75
			<i>For Class 52 Rating, Deduct</i>	-104.32	
			<i>For Class 54 Rating, Add</i>	71.13	
			<i>For Class 55 Rating, Add</i>	158.10	
40 05 19 00-3162	EA		8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,424.68	275.40
			<i>For Class 52 Rating, Deduct</i>	-110.82	
			<i>For Class 54 Rating, Add</i>	75.56	
			<i>For Class 55 Rating, Add</i>	167.94	
40 05 19 00-3163	EA		8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,487.70	278.05
			<i>For Class 52 Rating, Deduct</i>	-117.31	
			<i>For Class 54 Rating, Add</i>	79.98	
			<i>For Class 55 Rating, Add</i>	177.77	
40 05 19 00-3164	EA		8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,550.74	280.69
			<i>For Class 52 Rating, Deduct</i>	-123.80	
			<i>For Class 54 Rating, Add</i>	84.41	
			<i>For Class 55 Rating, Add</i>	187.61	
40 05 19 00-3165	EA		8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,613.76	283.34
			<i>For Class 52 Rating, Deduct</i>	-130.29	
			<i>For Class 54 Rating, Add</i>	88.83	
			<i>For Class 55 Rating, Add</i>	197.45	
40 05 19 00-3166	EA		8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,676.79	286.00
			<i>For Class 52 Rating, Deduct</i>	-136.78	
			<i>For Class 54 Rating, Add</i>	93.26	
			<i>For Class 55 Rating, Add</i>	207.29	
40 05 19 00-3167	EA		8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,739.81	288.64
			<i>For Class 52 Rating, Deduct</i>	-143.27	
			<i>For Class 54 Rating, Add</i>	97.69	
			<i>For Class 55 Rating, Add</i>	217.12	
40 05 19 00-3168	EA		8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,802.85	291.28
			<i>For Class 52 Rating, Deduct</i>	-149.77	
			<i>For Class 54 Rating, Add</i>	102.11	
			<i>For Class 55 Rating, Add</i>	226.96	
40 05 19 00-3169	EA		8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,865.87	293.93
			<i>For Class 52 Rating, Deduct</i>	-156.26	
			<i>For Class 54 Rating, Add</i>	106.54	
			<i>For Class 55 Rating, Add</i>	236.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3170	EA		8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,928.89	296.58
			For Class 52 Rating, Deduct	-162.75	
			For Class 54 Rating, Add	110.96	
			For Class 55 Rating, Add	246.64	
40 05 19 00-3171	EA		8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,991.92	299.23
			For Class 52 Rating, Deduct	-169.24	
			For Class 54 Rating, Add	115.39	
			For Class 55 Rating, Add	256.47	
40 05 19 00-3172	EA		8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,054.95	301.88
			For Class 52 Rating, Deduct	-175.73	
			For Class 54 Rating, Add	119.82	
			For Class 55 Rating, Add	266.31	
40 05 19 00-3173	EA		8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,117.99	304.53
			For Class 52 Rating, Deduct	-182.22	
			For Class 54 Rating, Add	124.24	
			For Class 55 Rating, Add	276.15	
40 05 19 00-3174	EA		8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,181.01	307.18
			For Class 52 Rating, Deduct	-188.71	
			For Class 54 Rating, Add	128.67	
			For Class 55 Rating, Add	285.99	
40 05 19 00-3175	EA		8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,244.04	309.82
			For Class 52 Rating, Deduct	-195.21	
			For Class 54 Rating, Add	133.10	
			For Class 55 Rating, Add	295.83	
40 05 19 00-3176	EA		8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,307.06	312.48
			For Class 52 Rating, Deduct	-201.70	
			For Class 54 Rating, Add	137.52	
			For Class 55 Rating, Add	305.66	
40 05 19 00-3177	EA		8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,370.10	315.13
			For Class 52 Rating, Deduct	-208.19	
			For Class 54 Rating, Add	141.95	
			For Class 55 Rating, Add	315.50	
40 05 19 00-3178	EA		8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,433.12	317.76
			For Class 52 Rating, Deduct	-214.68	
			For Class 54 Rating, Add	146.37	
			For Class 55 Rating, Add	325.34	
40 05 19 00-3179	EA		8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,496.14	320.41
			For Class 52 Rating, Deduct	-221.17	
			For Class 54 Rating, Add	150.80	
			For Class 55 Rating, Add	335.18	
40 05 19 00-3180	EA		8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,559.17	323.06
			For Class 52 Rating, Deduct	-227.66	
			For Class 54 Rating, Add	155.23	
			For Class 55 Rating, Add	345.02	
40 05 19 00-3181	EA		8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,622.20	325.72
			For Class 52 Rating, Deduct	-234.16	
			For Class 54 Rating, Add	159.65	
			For Class 55 Rating, Add	354.85	
40 05 19 00-3182	EA		8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,685.24	328.36
			For Class 52 Rating, Deduct	-240.65	
			For Class 54 Rating, Add	164.08	
			For Class 55 Rating, Add	364.69	
40 05 19 00-3183	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,748.26	331.01
			For Class 52 Rating, Deduct	-247.14	
			For Class 54 Rating, Add	168.50	
			For Class 55 Rating, Add	374.53	
40 05 19 00-3184	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,811.29	333.66
			For Class 52 Rating, Deduct	-253.63	
			For Class 54 Rating, Add	172.93	
			For Class 55 Rating, Add	384.37	
40 05 19 00-3185	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,874.31	336.30
			For Class 52 Rating, Deduct	-260.12	
			For Class 54 Rating, Add	177.36	
			For Class 55 Rating, Add	394.21	
40 05 19 00-3186	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,937.34	338.95
			For Class 52 Rating, Deduct	-266.62	
			For Class 54 Rating, Add	181.78	
			For Class 55 Rating, Add	404.04	
40 05 19 00-3187	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,000.37	341.60
			For Class 52 Rating, Deduct	-273.11	
			For Class 54 Rating, Add	186.21	
			For Class 55 Rating, Add	413.88	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-3188	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,063.39	344.25
		<i>For Class 52 Rating, Deduct</i>	-279.60	
		<i>For Class 54 Rating, Add</i>	190.64	
		<i>For Class 55 Rating, Add</i>	423.72	

40 05 19 00-3189 10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3068)

40 05 19 00-3190	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	833.48	296.58
		<i>For Class 52 Rating, Deduct</i>	-42.25	
		<i>For Class 54 Rating, Add</i>	28.81	
		<i>For Class 55 Rating, Add</i>	64.03	
40 05 19 00-3191	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	914.12	299.23
		<i>For Class 52 Rating, Deduct</i>	-50.68	
		<i>For Class 54 Rating, Add</i>	34.56	
		<i>For Class 55 Rating, Add</i>	76.81	
40 05 19 00-3192	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	994.74	301.88
		<i>For Class 52 Rating, Deduct</i>	-59.11	
		<i>For Class 54 Rating, Add</i>	40.30	
		<i>For Class 55 Rating, Add</i>	89.58	
40 05 19 00-3193	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,075.38	304.53
		<i>For Class 52 Rating, Deduct</i>	-67.54	
		<i>For Class 54 Rating, Add</i>	46.05	
		<i>For Class 55 Rating, Add</i>	102.35	
40 05 19 00-3194	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,156.01	307.18
		<i>For Class 52 Rating, Deduct</i>	-75.96	
		<i>For Class 54 Rating, Add</i>	51.79	
		<i>For Class 55 Rating, Add</i>	115.12	
40 05 19 00-3195	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,236.63	309.82
		<i>For Class 52 Rating, Deduct</i>	-84.39	
		<i>For Class 54 Rating, Add</i>	57.54	
		<i>For Class 55 Rating, Add</i>	127.89	
40 05 19 00-3196	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,317.26	312.48
		<i>For Class 52 Rating, Deduct</i>	-92.82	
		<i>For Class 54 Rating, Add</i>	63.29	
		<i>For Class 55 Rating, Add</i>	140.66	
40 05 19 00-3197	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,397.90	315.13
		<i>For Class 52 Rating, Deduct</i>	-101.25	
		<i>For Class 54 Rating, Add</i>	69.03	
		<i>For Class 55 Rating, Add</i>	153.44	
40 05 19 00-3198	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,478.52	317.76
		<i>For Class 52 Rating, Deduct</i>	-109.68	
		<i>For Class 54 Rating, Add</i>	74.78	
		<i>For Class 55 Rating, Add</i>	166.21	
40 05 19 00-3199	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,559.14	320.41
		<i>For Class 52 Rating, Deduct</i>	-118.10	
		<i>For Class 54 Rating, Add</i>	80.53	
		<i>For Class 55 Rating, Add</i>	178.98	
40 05 19 00-3200	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,639.77	323.06
		<i>For Class 52 Rating, Deduct</i>	-126.53	
		<i>For Class 54 Rating, Add</i>	86.27	
		<i>For Class 55 Rating, Add</i>	191.75	
40 05 19 00-3201	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,720.40	325.72
		<i>For Class 52 Rating, Deduct</i>	-134.96	
		<i>For Class 54 Rating, Add</i>	92.02	
		<i>For Class 55 Rating, Add</i>	204.52	
40 05 19 00-3202	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,801.04	328.36
		<i>For Class 52 Rating, Deduct</i>	-143.39	
		<i>For Class 54 Rating, Add</i>	97.76	
		<i>For Class 55 Rating, Add</i>	217.30	
40 05 19 00-3203	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,881.66	331.01
		<i>For Class 52 Rating, Deduct</i>	-151.81	
		<i>For Class 54 Rating, Add</i>	103.51	
		<i>For Class 55 Rating, Add</i>	230.07	
40 05 19 00-3204	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,962.29	333.66
		<i>For Class 52 Rating, Deduct</i>	-160.24	
		<i>For Class 54 Rating, Add</i>	109.26	
		<i>For Class 55 Rating, Add</i>	242.84	
40 05 19 00-3205	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,042.92	336.30
		<i>For Class 52 Rating, Deduct</i>	-168.67	
		<i>For Class 54 Rating, Add</i>	115.00	
		<i>For Class 55 Rating, Add</i>	255.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3206	EA		10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,123.54	338.95
			For Class 52 Rating, Deduct.....	-177.10	
			For Class 54 Rating, Add.....	120.75	
			For Class 55 Rating, Add.....	268.38	
40 05 19 00-3207	EA		10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,204.18	341.60
			For Class 52 Rating, Deduct.....	-185.53	
			For Class 54 Rating, Add.....	126.50	
			For Class 55 Rating, Add.....	281.16	
40 05 19 00-3208	EA		10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,284.80	344.25
			For Class 52 Rating, Deduct.....	-193.95	
			For Class 54 Rating, Add.....	132.24	
			For Class 55 Rating, Add.....	293.93	
40 05 19 00-3209	EA		10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,365.43	346.89
			For Class 52 Rating, Deduct.....	-202.38	
			For Class 54 Rating, Add.....	137.99	
			For Class 55 Rating, Add.....	306.70	
40 05 19 00-3210	EA		10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,446.06	349.54
			For Class 52 Rating, Deduct.....	-210.81	
			For Class 54 Rating, Add.....	143.73	
			For Class 55 Rating, Add.....	319.47	
40 05 19 00-3211	EA		10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,526.70	352.19
			For Class 52 Rating, Deduct.....	-219.24	
			For Class 54 Rating, Add.....	149.48	
			For Class 55 Rating, Add.....	332.24	
40 05 19 00-3212	EA		10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,607.32	354.84
			For Class 52 Rating, Deduct.....	-227.66	
			For Class 54 Rating, Add.....	155.23	
			For Class 55 Rating, Add.....	345.02	
40 05 19 00-3213	EA		10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,687.95	357.49
			For Class 52 Rating, Deduct.....	-236.09	
			For Class 54 Rating, Add.....	160.97	
			For Class 55 Rating, Add.....	357.79	
40 05 19 00-3214	EA		10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,768.58	360.14
			For Class 52 Rating, Deduct.....	-244.52	
			For Class 54 Rating, Add.....	166.72	
			For Class 55 Rating, Add.....	370.56	
40 05 19 00-3215	EA		10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,849.20	362.79
			For Class 52 Rating, Deduct.....	-252.95	
			For Class 54 Rating, Add.....	172.46	
			For Class 55 Rating, Add.....	383.33	
40 05 19 00-3216	EA		10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,929.84	365.42
			For Class 52 Rating, Deduct.....	-261.38	
			For Class 54 Rating, Add.....	178.21	
			For Class 55 Rating, Add.....	396.10	
40 05 19 00-3217	EA		10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,010.46	368.08
			For Class 52 Rating, Deduct.....	-269.80	
			For Class 54 Rating, Add.....	183.96	
			For Class 55 Rating, Add.....	408.88	
40 05 19 00-3218	EA		10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,091.09	370.73
			For Class 52 Rating, Deduct.....	-278.23	
			For Class 54 Rating, Add.....	189.70	
			For Class 55 Rating, Add.....	421.65	
40 05 19 00-3219	EA		10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,171.72	373.38
			For Class 52 Rating, Deduct.....	-286.66	
			For Class 54 Rating, Add.....	195.45	
			For Class 55 Rating, Add.....	434.42	
40 05 19 00-3220	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,252.36	376.02
			For Class 52 Rating, Deduct.....	-295.09	
			For Class 54 Rating, Add.....	201.20	
			For Class 55 Rating, Add.....	447.19	
40 05 19 00-3221	EA		10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,332.98	378.67
			For Class 52 Rating, Deduct.....	-303.52	
			For Class 54 Rating, Add.....	206.94	
			For Class 55 Rating, Add.....	459.96	
40 05 19 00-3222	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,413.61	381.33
			For Class 52 Rating, Deduct.....	-311.94	
			For Class 54 Rating, Add.....	212.69	
			For Class 55 Rating, Add.....	472.74	
40 05 19 00-3223	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,494.24	383.97
			For Class 52 Rating, Deduct.....	-320.37	
			For Class 54 Rating, Add.....	218.44	
			For Class 55 Rating, Add.....	485.51	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-3224	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,574.86	386.62
		<i>For Class 52 Rating, Deduct</i>	-328.80	
		<i>For Class 54 Rating, Add</i>	224.18	
		<i>For Class 55 Rating, Add</i>	498.28	
40 05 19 00-3225	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,655.50	389.27
		<i>For Class 52 Rating, Deduct</i>	-337.23	
		<i>For Class 54 Rating, Add</i>	229.93	
		<i>For Class 55 Rating, Add</i>	511.05	
40 05 19 00-3226	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,736.13	391.92
		<i>For Class 52 Rating, Deduct</i>	-345.66	
		<i>For Class 54 Rating, Add</i>	235.67	
		<i>For Class 55 Rating, Add</i>	523.82	
40 05 19 00-3227	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,816.75	394.55
		<i>For Class 52 Rating, Deduct</i>	-354.08	
		<i>For Class 54 Rating, Add</i>	241.42	
		<i>For Class 55 Rating, Add</i>	536.60	
40 05 19 00-3228	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,897.38	397.21
		<i>For Class 52 Rating, Deduct</i>	-362.51	
		<i>For Class 54 Rating, Add</i>	247.17	
		<i>For Class 55 Rating, Add</i>	549.37	

40 05 19 00-3229 12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3068)

40 05 19 00-3230	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,069.04	370.73
		<i>For Class 52 Rating, Deduct</i>	-55.81	
		<i>For Class 54 Rating, Add</i>	38.05	
		<i>For Class 55 Rating, Add</i>	84.57	
40 05 19 00-3231	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,168.30	373.38
		<i>For Class 52 Rating, Deduct</i>	-66.28	
		<i>For Class 54 Rating, Add</i>	45.19	
		<i>For Class 55 Rating, Add</i>	100.45	
40 05 19 00-3232	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,267.57	376.02
		<i>For Class 52 Rating, Deduct</i>	-76.76	
		<i>For Class 54 Rating, Add</i>	52.34	
		<i>For Class 55 Rating, Add</i>	116.33	
40 05 19 00-3233	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,366.84	378.67
		<i>For Class 52 Rating, Deduct</i>	-87.24	
		<i>For Class 54 Rating, Add</i>	59.48	
		<i>For Class 55 Rating, Add</i>	132.21	
40 05 19 00-3234	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,466.10	381.33
		<i>For Class 52 Rating, Deduct</i>	-97.72	
		<i>For Class 54 Rating, Add</i>	66.63	
		<i>For Class 55 Rating, Add</i>	148.09	
40 05 19 00-3235	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,565.36	383.97
		<i>For Class 52 Rating, Deduct</i>	-108.19	
		<i>For Class 54 Rating, Add</i>	73.77	
		<i>For Class 55 Rating, Add</i>	163.96	
40 05 19 00-3236	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,664.63	386.62
		<i>For Class 52 Rating, Deduct</i>	-118.67	
		<i>For Class 54 Rating, Add</i>	80.91	
		<i>For Class 55 Rating, Add</i>	179.84	
40 05 19 00-3237	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,763.90	389.27
		<i>For Class 52 Rating, Deduct</i>	-129.15	
		<i>For Class 54 Rating, Add</i>	88.06	
		<i>For Class 55 Rating, Add</i>	195.72	
40 05 19 00-3238	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,863.16	391.92
		<i>For Class 52 Rating, Deduct</i>	-139.63	
		<i>For Class 54 Rating, Add</i>	95.20	
		<i>For Class 55 Rating, Add</i>	211.60	
40 05 19 00-3239	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,962.42	394.55
		<i>For Class 52 Rating, Deduct</i>	-150.11	
		<i>For Class 54 Rating, Add</i>	102.35	
		<i>For Class 55 Rating, Add</i>	227.48	
40 05 19 00-3240	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,061.69	397.21
		<i>For Class 52 Rating, Deduct</i>	-160.58	
		<i>For Class 54 Rating, Add</i>	109.49	
		<i>For Class 55 Rating, Add</i>	243.36	
40 05 19 00-3241	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,160.96	399.86
		<i>For Class 52 Rating, Deduct</i>	-171.06	
		<i>For Class 54 Rating, Add</i>	116.63	
		<i>For Class 55 Rating, Add</i>	259.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3242	EA		12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,260.22	402.50
			For Class 52 Rating, Deduct	-181.54	
			For Class 54 Rating, Add	123.78	
			For Class 55 Rating, Add	275.12	
40 05 19 00-3243	EA		12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,359.49	405.15
			For Class 52 Rating, Deduct	-192.02	
			For Class 54 Rating, Add	130.92	
			For Class 55 Rating, Add	290.99	
40 05 19 00-3244	EA		12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,458.75	407.80
			For Class 52 Rating, Deduct	-202.50	
			For Class 54 Rating, Add	138.07	
			For Class 55 Rating, Add	306.87	
40 05 19 00-3245	EA		12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,558.01	410.46
			For Class 52 Rating, Deduct	-212.97	
			For Class 54 Rating, Add	145.21	
			For Class 55 Rating, Add	322.75	
40 05 19 00-3246	EA		12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,657.29	413.10
			For Class 52 Rating, Deduct	-223.45	
			For Class 54 Rating, Add	152.35	
			For Class 55 Rating, Add	338.63	
40 05 19 00-3247	EA		12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,756.55	415.75
			For Class 52 Rating, Deduct	-233.93	
			For Class 54 Rating, Add	159.50	
			For Class 55 Rating, Add	354.51	
40 05 19 00-3248	EA		12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,855.81	418.39
			For Class 52 Rating, Deduct	-244.41	
			For Class 54 Rating, Add	166.64	
			For Class 55 Rating, Add	370.39	
40 05 19 00-3249	EA		12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,955.08	421.03
			For Class 52 Rating, Deduct	-254.89	
			For Class 54 Rating, Add	173.79	
			For Class 55 Rating, Add	386.27	
40 05 19 00-3250	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,054.35	423.69
			For Class 52 Rating, Deduct	-265.36	
			For Class 54 Rating, Add	180.93	
			For Class 55 Rating, Add	402.15	
40 05 19 00-3251	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,153.61	426.34
			For Class 52 Rating, Deduct	-275.84	
			For Class 54 Rating, Add	188.07	
			For Class 55 Rating, Add	418.02	
40 05 19 00-3252	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,252.88	428.99
			For Class 52 Rating, Deduct	-286.32	
			For Class 54 Rating, Add	195.22	
			For Class 55 Rating, Add	433.90	
40 05 19 00-3253	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,352.14	431.63
			For Class 52 Rating, Deduct	-296.80	
			For Class 54 Rating, Add	202.36	
			For Class 55 Rating, Add	449.78	
40 05 19 00-3254	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,451.40	434.28
			For Class 52 Rating, Deduct	-307.27	
			For Class 54 Rating, Add	209.51	
			For Class 55 Rating, Add	465.66	
40 05 19 00-3255	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,550.67	436.94
			For Class 52 Rating, Deduct	-317.75	
			For Class 54 Rating, Add	216.65	
			For Class 55 Rating, Add	481.54	
40 05 19 00-3256	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,649.94	439.59
			For Class 52 Rating, Deduct	-328.23	
			For Class 54 Rating, Add	223.79	
			For Class 55 Rating, Add	497.42	
40 05 19 00-3257	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,749.20	442.22
			For Class 52 Rating, Deduct	-338.71	
			For Class 54 Rating, Add	230.94	
			For Class 55 Rating, Add	513.30	
40 05 19 00-3258	EA		12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,848.46	444.87
			For Class 52 Rating, Deduct	-349.19	
			For Class 54 Rating, Add	238.08	
			For Class 55 Rating, Add	529.17	
40 05 19 00-3259	EA		12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,947.74	447.52
			For Class 52 Rating, Deduct	-359.66	
			For Class 54 Rating, Add	245.23	
			For Class 55 Rating, Add	545.05	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-3260	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,047.00	450.16
		<i>For Class 52 Rating, Deduct</i>	-370.14	
		<i>For Class 54 Rating, Add</i>	252.37	
		<i>For Class 55 Rating, Add</i>	560.93	
40 05 19 00-3261	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,146.25	452.82
		<i>For Class 52 Rating, Deduct</i>	-380.62	
		<i>For Class 54 Rating, Add</i>	259.51	
		<i>For Class 55 Rating, Add</i>	576.81	
40 05 19 00-3262	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,245.53	455.47
		<i>For Class 52 Rating, Deduct</i>	-391.10	
		<i>For Class 54 Rating, Add</i>	266.66	
		<i>For Class 55 Rating, Add</i>	592.69	
40 05 19 00-3263	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,344.79	458.12
		<i>For Class 52 Rating, Deduct</i>	-401.57	
		<i>For Class 54 Rating, Add</i>	273.80	
		<i>For Class 55 Rating, Add</i>	608.57	
40 05 19 00-3264	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,444.06	460.76
		<i>For Class 52 Rating, Deduct</i>	-412.05	
		<i>For Class 54 Rating, Add</i>	280.94	
		<i>For Class 55 Rating, Add</i>	624.45	
40 05 19 00-3265	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,543.33	463.41
		<i>For Class 52 Rating, Deduct</i>	-422.53	
		<i>For Class 54 Rating, Add</i>	288.09	
		<i>For Class 55 Rating, Add</i>	640.33	
40 05 19 00-3266	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,642.59	466.07
		<i>For Class 52 Rating, Deduct</i>	-433.01	
		<i>For Class 54 Rating, Add</i>	295.23	
		<i>For Class 55 Rating, Add</i>	656.20	
40 05 19 00-3267	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,741.85	468.70
		<i>For Class 52 Rating, Deduct</i>	-443.49	
		<i>For Class 54 Rating, Add</i>	302.38	
		<i>For Class 55 Rating, Add</i>	672.08	
40 05 19 00-3268	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,841.12	471.35
		<i>For Class 52 Rating, Deduct</i>	-453.96	
		<i>For Class 54 Rating, Add</i>	309.52	
		<i>For Class 55 Rating, Add</i>	687.96	

40 05 19 00-3269 14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3068)

40 05 19 00-3270	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,389.48	444.87
		<i>For Class 52 Rating, Deduct</i>	-78.70	
		<i>For Class 54 Rating, Add</i>	53.66	
		<i>For Class 55 Rating, Add</i>	119.26	
40 05 19 00-3271	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,509.46	447.52
		<i>For Class 52 Rating, Deduct</i>	-91.45	
		<i>For Class 54 Rating, Add</i>	62.35	
		<i>For Class 55 Rating, Add</i>	138.59	
40 05 19 00-3272	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,629.43	450.16
		<i>For Class 52 Rating, Deduct</i>	-104.21	
		<i>For Class 54 Rating, Add</i>	71.05	
		<i>For Class 55 Rating, Add</i>	157.92	
40 05 19 00-3273	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,749.39	452.82
		<i>For Class 52 Rating, Deduct</i>	-116.96	
		<i>For Class 54 Rating, Add</i>	79.75	
		<i>For Class 55 Rating, Add</i>	177.25	
40 05 19 00-3274	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,869.38	455.47
		<i>For Class 52 Rating, Deduct</i>	-129.72	
		<i>For Class 54 Rating, Add</i>	88.45	
		<i>For Class 55 Rating, Add</i>	196.59	
40 05 19 00-3275	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,989.35	458.12
		<i>For Class 52 Rating, Deduct</i>	-142.48	
		<i>For Class 54 Rating, Add</i>	97.14	
		<i>For Class 55 Rating, Add</i>	215.92	
40 05 19 00-3276	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,109.33	460.76
		<i>For Class 52 Rating, Deduct</i>	-155.23	
		<i>For Class 54 Rating, Add</i>	105.84	
		<i>For Class 55 Rating, Add</i>	235.25	
40 05 19 00-3277	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,229.30	463.41
		<i>For Class 52 Rating, Deduct</i>	-167.99	
		<i>For Class 54 Rating, Add</i>	114.54	
		<i>For Class 55 Rating, Add</i>	254.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3278	EA		14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,349.27	466.07
			For Class 52 Rating, Deduct	-180.74	
			For Class 54 Rating, Add	123.23	
			For Class 55 Rating, Add	273.91	
40 05 19 00-3279	EA		14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,469.24	468.70
			For Class 52 Rating, Deduct	-193.50	
			For Class 54 Rating, Add	131.93	
			For Class 55 Rating, Add	293.24	
40 05 19 00-3280	EA		14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,589.22	471.35
			For Class 52 Rating, Deduct	-206.25	
			For Class 54 Rating, Add	140.63	
			For Class 55 Rating, Add	312.57	
40 05 19 00-3281	EA		14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,709.19	474.00
			For Class 52 Rating, Deduct	-219.01	
			For Class 54 Rating, Add	149.33	
			For Class 55 Rating, Add	331.90	
40 05 19 00-3282	EA		14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,829.15	476.65
			For Class 52 Rating, Deduct	-231.77	
			For Class 54 Rating, Add	158.02	
			For Class 55 Rating, Add	351.23	
40 05 19 00-3283	EA		14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,949.13	479.30
			For Class 52 Rating, Deduct	-244.52	
			For Class 54 Rating, Add	166.72	
			For Class 55 Rating, Add	370.56	
40 05 19 00-3284	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,069.10	481.95
			For Class 52 Rating, Deduct	-257.28	
			For Class 54 Rating, Add	175.42	
			For Class 55 Rating, Add	389.89	
40 05 19 00-3285	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,189.08	484.60
			For Class 52 Rating, Deduct	-270.03	
			For Class 54 Rating, Add	184.11	
			For Class 55 Rating, Add	409.22	
40 05 19 00-3286	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,309.05	487.24
			For Class 52 Rating, Deduct	-282.79	
			For Class 54 Rating, Add	192.81	
			For Class 55 Rating, Add	428.55	
40 05 19 00-3287	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,429.02	489.89
			For Class 52 Rating, Deduct	-295.54	
			For Class 54 Rating, Add	201.51	
			For Class 55 Rating, Add	447.88	
40 05 19 00-3288	EA		14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,548.99	492.54
			For Class 52 Rating, Deduct	-308.30	
			For Class 54 Rating, Add	210.20	
			For Class 55 Rating, Add	467.21	
40 05 19 00-3289	EA		14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,668.97	495.19
			For Class 52 Rating, Deduct	-321.05	
			For Class 54 Rating, Add	218.90	
			For Class 55 Rating, Add	486.54	
40 05 19 00-3290	EA		14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,788.94	497.83
			For Class 52 Rating, Deduct	-333.81	
			For Class 54 Rating, Add	227.60	
			For Class 55 Rating, Add	505.87	
40 05 19 00-3291	EA		14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,908.91	500.48
			For Class 52 Rating, Deduct	-346.57	
			For Class 54 Rating, Add	236.30	
			For Class 55 Rating, Add	525.21	
40 05 19 00-3292	EA		14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,028.88	503.13
			For Class 52 Rating, Deduct	-359.32	
			For Class 54 Rating, Add	244.99	
			For Class 55 Rating, Add	544.54	
40 05 19 00-3293	EA		14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,148.85	505.79
			For Class 52 Rating, Deduct	-372.08	
			For Class 54 Rating, Add	253.69	
			For Class 55 Rating, Add	563.87	
40 05 19 00-3294	EA		14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,268.83	508.43
			For Class 52 Rating, Deduct	-384.83	
			For Class 54 Rating, Add	262.39	
			For Class 55 Rating, Add	583.20	
40 05 19 00-3295	EA		14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,388.80	511.08
			For Class 52 Rating, Deduct	-397.59	
			For Class 54 Rating, Add	271.08	
			For Class 55 Rating, Add	602.53	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-3296	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,508.77	513.73
		<i>For Class 52 Rating, Deduct</i>	-410.34	
		<i>For Class 54 Rating, Add</i>	279.78	
		<i>For Class 55 Rating, Add</i>	621.86	
40 05 19 00-3297	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,628.74	516.36
		<i>For Class 52 Rating, Deduct</i>	-423.10	
		<i>For Class 54 Rating, Add</i>	288.48	
		<i>For Class 55 Rating, Add</i>	641.19	
40 05 19 00-3298	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,748.72	519.01
		<i>For Class 52 Rating, Deduct</i>	-435.86	
		<i>For Class 54 Rating, Add</i>	297.17	
		<i>For Class 55 Rating, Add</i>	660.52	
40 05 19 00-3299	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,868.69	521.67
		<i>For Class 52 Rating, Deduct</i>	-448.61	
		<i>For Class 54 Rating, Add</i>	305.87	
		<i>For Class 55 Rating, Add</i>	679.85	
40 05 19 00-3300	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,988.66	524.32
		<i>For Class 52 Rating, Deduct</i>	-461.37	
		<i>For Class 54 Rating, Add</i>	314.57	
		<i>For Class 55 Rating, Add</i>	699.18	
40 05 19 00-3301	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,108.63	526.96
		<i>For Class 52 Rating, Deduct</i>	-474.12	
		<i>For Class 54 Rating, Add</i>	323.27	
		<i>For Class 55 Rating, Add</i>	718.51	
40 05 19 00-3302	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,228.60	529.61
		<i>For Class 52 Rating, Deduct</i>	-486.88	
		<i>For Class 54 Rating, Add</i>	331.96	
		<i>For Class 55 Rating, Add</i>	737.84	
40 05 19 00-3303	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,348.58	532.26
		<i>For Class 52 Rating, Deduct</i>	-499.63	
		<i>For Class 54 Rating, Add</i>	340.66	
		<i>For Class 55 Rating, Add</i>	757.17	
40 05 19 00-3304	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,468.55	534.91
		<i>For Class 52 Rating, Deduct</i>	-512.39	
		<i>For Class 54 Rating, Add</i>	349.36	
		<i>For Class 55 Rating, Add</i>	776.50	
40 05 19 00-3305	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,588.52	537.56
		<i>For Class 52 Rating, Deduct</i>	-525.14	
		<i>For Class 54 Rating, Add</i>	358.05	
		<i>For Class 55 Rating, Add</i>	795.83	
40 05 19 00-3306	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,708.50	540.21
		<i>For Class 52 Rating, Deduct</i>	-537.90	
		<i>For Class 54 Rating, Add</i>	366.75	
		<i>For Class 55 Rating, Add</i>	815.16	
40 05 19 00-3307	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,828.47	542.86
		<i>For Class 52 Rating, Deduct</i>	-550.66	
		<i>For Class 54 Rating, Add</i>	375.45	
		<i>For Class 55 Rating, Add</i>	834.50	

40 05 19 00-3308 16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3068)

40 05 19 00-3309	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,614.17	508.43
		<i>For Class 52 Rating, Deduct</i>	-92.82	
		<i>For Class 54 Rating, Add</i>	63.29	
		<i>For Class 55 Rating, Add</i>	140.66	
40 05 19 00-3310	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,752.78	511.08
		<i>For Class 52 Rating, Deduct</i>	-107.63	
		<i>For Class 54 Rating, Add</i>	73.38	
		<i>For Class 55 Rating, Add</i>	163.10	
40 05 19 00-3311	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,891.38	513.73
		<i>For Class 52 Rating, Deduct</i>	-122.43	
		<i>For Class 54 Rating, Add</i>	83.48	
		<i>For Class 55 Rating, Add</i>	185.54	
40 05 19 00-3312	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,029.99	516.36
		<i>For Class 52 Rating, Deduct</i>	-137.24	
		<i>For Class 54 Rating, Add</i>	93.57	
		<i>For Class 55 Rating, Add</i>	207.98	
40 05 19 00-3313	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,168.61	519.01
		<i>For Class 52 Rating, Deduct</i>	-152.04	
		<i>For Class 54 Rating, Add</i>	103.67	
		<i>For Class 55 Rating, Add</i>	230.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3314	EA		16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,307.21	521.67
			For Class 52 Rating, Deduct	-166.85	
			For Class 54 Rating, Add	113.76	
			For Class 55 Rating, Add	252.85	
40 05 19 00-3315	EA		16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,445.82	524.32
			For Class 52 Rating, Deduct	-181.65	
			For Class 54 Rating, Add	123.86	
			For Class 55 Rating, Add	275.29	
40 05 19 00-3316	EA		16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,584.43	526.96
			For Class 52 Rating, Deduct	-196.46	
			For Class 54 Rating, Add	133.95	
			For Class 55 Rating, Add	297.73	
40 05 19 00-3317	EA		16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,723.03	529.61
			For Class 52 Rating, Deduct	-211.26	
			For Class 54 Rating, Add	144.04	
			For Class 55 Rating, Add	320.16	
40 05 19 00-3318	EA		16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,861.65	532.26
			For Class 52 Rating, Deduct	-226.07	
			For Class 54 Rating, Add	154.14	
			For Class 55 Rating, Add	342.60	
40 05 19 00-3319	EA		16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,000.26	534.91
			For Class 52 Rating, Deduct	-240.88	
			For Class 54 Rating, Add	164.23	
			For Class 55 Rating, Add	365.04	
40 05 19 00-3320	EA		16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,138.86	537.56
			For Class 52 Rating, Deduct	-255.68	
			For Class 54 Rating, Add	174.33	
			For Class 55 Rating, Add	387.47	
40 05 19 00-3321	EA		16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,277.47	540.21
			For Class 52 Rating, Deduct	-270.49	
			For Class 54 Rating, Add	184.42	
			For Class 55 Rating, Add	409.91	
40 05 19 00-3322	EA		16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,416.08	542.86
			For Class 52 Rating, Deduct	-285.29	
			For Class 54 Rating, Add	194.52	
			For Class 55 Rating, Add	432.35	
40 05 19 00-3323	EA		16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,554.69	545.49
			For Class 52 Rating, Deduct	-300.10	
			For Class 54 Rating, Add	204.61	
			For Class 55 Rating, Add	454.79	
40 05 19 00-3324	EA		16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,693.30	548.15
			For Class 52 Rating, Deduct	-314.90	
			For Class 54 Rating, Add	214.71	
			For Class 55 Rating, Add	477.22	
40 05 19 00-3325	EA		16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,831.91	550.80
			For Class 52 Rating, Deduct	-329.71	
			For Class 54 Rating, Add	224.80	
			For Class 55 Rating, Add	499.66	
40 05 19 00-3326	EA		16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,970.51	553.44
			For Class 52 Rating, Deduct	-344.52	
			For Class 54 Rating, Add	234.90	
			For Class 55 Rating, Add	522.10	
40 05 19 00-3327	EA		16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,109.13	556.09
			For Class 52 Rating, Deduct	-359.32	
			For Class 54 Rating, Add	244.99	
			For Class 55 Rating, Add	544.54	
40 05 19 00-3328	EA		16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,247.74	558.74
			For Class 52 Rating, Deduct	-374.13	
			For Class 54 Rating, Add	255.09	
			For Class 55 Rating, Add	566.97	
40 05 19 00-3329	EA		16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,386.34	561.40
			For Class 52 Rating, Deduct	-388.93	
			For Class 54 Rating, Add	265.18	
			For Class 55 Rating, Add	589.41	
40 05 19 00-3330	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,524.95	564.04
			For Class 52 Rating, Deduct	-403.74	
			For Class 54 Rating, Add	275.28	
			For Class 55 Rating, Add	611.85	
40 05 19 00-3331	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,663.56	566.69
			For Class 52 Rating, Deduct	-418.54	
			For Class 54 Rating, Add	285.37	
			For Class 55 Rating, Add	634.29	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3332	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,802.17	569.33
			<i>For Class 52 Rating, Deduct</i>	-433.35	
			<i>For Class 54 Rating, Add</i>	295.47	
			<i>For Class 55 Rating, Add</i>	656.72	
40 05 19 00-3333	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,940.78	571.98
			<i>For Class 52 Rating, Deduct</i>	-448.16	
			<i>For Class 54 Rating, Add</i>	305.56	
			<i>For Class 55 Rating, Add</i>	679.16	
40 05 19 00-3334	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,079.39	574.63
			<i>For Class 52 Rating, Deduct</i>	-462.96	
			<i>For Class 54 Rating, Add</i>	315.66	
			<i>For Class 55 Rating, Add</i>	701.60	
40 05 19 00-3335	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,218.00	577.28
			<i>For Class 52 Rating, Deduct</i>	-477.77	
			<i>For Class 54 Rating, Add</i>	325.75	
			<i>For Class 55 Rating, Add</i>	724.03	
40 05 19 00-3336	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,356.61	579.93
			<i>For Class 52 Rating, Deduct</i>	-492.57	
			<i>For Class 54 Rating, Add</i>	335.84	
			<i>For Class 55 Rating, Add</i>	746.47	
40 05 19 00-3337	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,495.22	582.57
			<i>For Class 52 Rating, Deduct</i>	-507.38	
			<i>For Class 54 Rating, Add</i>	345.94	
			<i>For Class 55 Rating, Add</i>	768.91	
40 05 19 00-3338	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,633.83	585.22
			<i>For Class 52 Rating, Deduct</i>	-522.18	
			<i>For Class 54 Rating, Add</i>	356.03	
			<i>For Class 55 Rating, Add</i>	791.35	
40 05 19 00-3339	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,772.43	587.87
			<i>For Class 52 Rating, Deduct</i>	-536.99	
			<i>For Class 54 Rating, Add</i>	366.13	
			<i>For Class 55 Rating, Add</i>	813.78	
40 05 19 00-3340	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,911.04	590.53
			<i>For Class 52 Rating, Deduct</i>	-551.80	
			<i>For Class 54 Rating, Add</i>	376.22	
			<i>For Class 55 Rating, Add</i>	836.22	
40 05 19 00-3341	EA		16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,049.66	593.16
			<i>For Class 52 Rating, Deduct</i>	-566.60	
			<i>For Class 54 Rating, Add</i>	386.32	
			<i>For Class 55 Rating, Add</i>	858.66	
40 05 19 00-3342	EA		16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,188.26	595.81
			<i>For Class 52 Rating, Deduct</i>	-581.41	
			<i>For Class 54 Rating, Add</i>	396.41	
			<i>For Class 55 Rating, Add</i>	881.09	
40 05 19 00-3343	EA		16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,326.87	598.46
			<i>For Class 52 Rating, Deduct</i>	-596.21	
			<i>For Class 54 Rating, Add</i>	406.51	
			<i>For Class 55 Rating, Add</i>	903.53	
40 05 19 00-3344	EA		16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,465.48	601.10
			<i>For Class 52 Rating, Deduct</i>	-611.02	
			<i>For Class 54 Rating, Add</i>	416.60	
			<i>For Class 55 Rating, Add</i>	925.97	
40 05 19 00-3345	EA		16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,604.09	603.76
			<i>For Class 52 Rating, Deduct</i>	-625.82	
			<i>For Class 54 Rating, Add</i>	426.70	
			<i>For Class 55 Rating, Add</i>	948.41	
40 05 19 00-3346	EA		16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,742.70	606.41
			<i>For Class 52 Rating, Deduct</i>	-640.63	
			<i>For Class 54 Rating, Add</i>	436.79	
			<i>For Class 55 Rating, Add</i>	970.84	
40 05 19 00-3347			18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3348	EA		18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,857.02	573.04
			<i>For Class 52 Rating, Deduct</i>	-108.76	
			<i>For Class 54 Rating, Add</i>	74.16	
			<i>For Class 55 Rating, Add</i>	164.83	
40 05 19 00-3349	EA		18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,016.33	575.70
			<i>For Class 52 Rating, Deduct</i>	-125.85	
			<i>For Class 54 Rating, Add</i>	85.81	
			<i>For Class 55 Rating, Add</i>	190.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3350	EA		18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,175.65	578.34
			For Class 52 Rating, Deduct.....	-142.93	
			For Class 54 Rating, Add.....	97.45	
			For Class 55 Rating, Add.....	216.61	
40 05 19 00-3351	EA		18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,334.96	580.99
			For Class 52 Rating, Deduct.....	-160.01	
			For Class 54 Rating, Add.....	109.10	
			For Class 55 Rating, Add.....	242.50	
40 05 19 00-3352	EA		18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,494.27	583.64
			For Class 52 Rating, Deduct.....	-177.10	
			For Class 54 Rating, Add.....	120.75	
			For Class 55 Rating, Add.....	268.38	
40 05 19 00-3353	EA		18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,653.60	586.27
			For Class 52 Rating, Deduct.....	-194.18	
			For Class 54 Rating, Add.....	132.40	
			For Class 55 Rating, Add.....	294.27	
40 05 19 00-3354	EA		18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,812.91	588.93
			For Class 52 Rating, Deduct.....	-211.26	
			For Class 54 Rating, Add.....	144.04	
			For Class 55 Rating, Add.....	320.16	
40 05 19 00-3355	EA		18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,972.24	591.58
			For Class 52 Rating, Deduct.....	-228.35	
			For Class 54 Rating, Add.....	155.69	
			For Class 55 Rating, Add.....	346.05	
40 05 19 00-3356	EA		18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,131.54	594.23
			For Class 52 Rating, Deduct.....	-245.43	
			For Class 54 Rating, Add.....	167.34	
			For Class 55 Rating, Add.....	371.94	
40 05 19 00-3357	EA		18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,290.85	596.87
			For Class 52 Rating, Deduct.....	-262.52	
			For Class 54 Rating, Add.....	178.99	
			For Class 55 Rating, Add.....	397.83	
40 05 19 00-3358	EA		18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,450.18	599.52
			For Class 52 Rating, Deduct.....	-279.60	
			For Class 54 Rating, Add.....	190.64	
			For Class 55 Rating, Add.....	423.72	
40 05 19 00-3359	EA		18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,609.49	602.18
			For Class 52 Rating, Deduct.....	-296.68	
			For Class 54 Rating, Add.....	202.28	
			For Class 55 Rating, Add.....	449.61	
40 05 19 00-3360	EA		18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,768.81	604.82
			For Class 52 Rating, Deduct.....	-313.77	
			For Class 54 Rating, Add.....	213.93	
			For Class 55 Rating, Add.....	475.50	
40 05 19 00-3361	EA		18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,928.12	607.47
			For Class 52 Rating, Deduct.....	-330.85	
			For Class 54 Rating, Add.....	225.58	
			For Class 55 Rating, Add.....	501.39	
40 05 19 00-3362	EA		18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,087.44	610.11
			For Class 52 Rating, Deduct.....	-347.93	
			For Class 54 Rating, Add.....	237.23	
			For Class 55 Rating, Add.....	527.28	
40 05 19 00-3363	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,246.76	612.76
			For Class 52 Rating, Deduct.....	-365.02	
			For Class 54 Rating, Add.....	248.87	
			For Class 55 Rating, Add.....	553.17	
40 05 19 00-3364	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,406.08	615.40
			For Class 52 Rating, Deduct.....	-382.10	
			For Class 54 Rating, Add.....	260.52	
			For Class 55 Rating, Add.....	579.05	
40 05 19 00-3365	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,565.39	618.06
			For Class 52 Rating, Deduct.....	-399.18	
			For Class 54 Rating, Add.....	272.17	
			For Class 55 Rating, Add.....	604.94	
40 05 19 00-3366	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,724.70	620.71
			For Class 52 Rating, Deduct.....	-416.27	
			For Class 54 Rating, Add.....	283.82	
			For Class 55 Rating, Add.....	630.83	
40 05 19 00-3367	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,884.02	623.35
			For Class 52 Rating, Deduct.....	-433.35	
			For Class 54 Rating, Add.....	295.47	
			For Class 55 Rating, Add.....	656.72	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3368	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,043.34	626.00
			<i>For Class 52 Rating, Deduct</i>	-450.43	
			<i>For Class 54 Rating, Add</i>	307.11	
			<i>For Class 55 Rating, Add</i>	682.61	
40 05 19 00-3369	EA		18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,202.66	628.65
			<i>For Class 52 Rating, Deduct</i>	-467.52	
			<i>For Class 54 Rating, Add</i>	318.76	
			<i>For Class 55 Rating, Add</i>	708.50	
40 05 19 00-3370	EA		18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,361.97	631.31
			<i>For Class 52 Rating, Deduct</i>	-484.60	
			<i>For Class 54 Rating, Add</i>	330.41	
			<i>For Class 55 Rating, Add</i>	734.39	
40 05 19 00-3371	EA		18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,521.29	633.94
			<i>For Class 52 Rating, Deduct</i>	-501.68	
			<i>For Class 54 Rating, Add</i>	342.06	
			<i>For Class 55 Rating, Add</i>	760.28	
40 05 19 00-3372	EA		18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,680.60	636.59
			<i>For Class 52 Rating, Deduct</i>	-518.77	
			<i>For Class 54 Rating, Add</i>	353.70	
			<i>For Class 55 Rating, Add</i>	786.17	
40 05 19 00-3373	EA		18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,839.93	639.24
			<i>For Class 52 Rating, Deduct</i>	-535.85	
			<i>For Class 54 Rating, Add</i>	365.35	
			<i>For Class 55 Rating, Add</i>	812.06	
40 05 19 00-3374	EA		18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,999.23	641.89
			<i>For Class 52 Rating, Deduct</i>	-552.93	
			<i>For Class 54 Rating, Add</i>	377.00	
			<i>For Class 55 Rating, Add</i>	837.95	
40 05 19 00-3375	EA		18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,158.55	644.54
			<i>For Class 52 Rating, Deduct</i>	-570.02	
			<i>For Class 54 Rating, Add</i>	388.65	
			<i>For Class 55 Rating, Add</i>	863.84	
40 05 19 00-3376	EA		18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,317.87	647.19
			<i>For Class 52 Rating, Deduct</i>	-587.10	
			<i>For Class 54 Rating, Add</i>	400.30	
			<i>For Class 55 Rating, Add</i>	889.72	
40 05 19 00-3377	EA		18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,477.18	649.84
			<i>For Class 52 Rating, Deduct</i>	-604.18	
			<i>For Class 54 Rating, Add</i>	411.94	
			<i>For Class 55 Rating, Add</i>	915.61	
40 05 19 00-3378	EA		18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,636.51	652.48
			<i>For Class 52 Rating, Deduct</i>	-621.27	
			<i>For Class 54 Rating, Add</i>	423.59	
			<i>For Class 55 Rating, Add</i>	941.50	
40 05 19 00-3379	EA		18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,795.81	655.13
			<i>For Class 52 Rating, Deduct</i>	-638.35	
			<i>For Class 54 Rating, Add</i>	435.24	
			<i>For Class 55 Rating, Add</i>	967.39	
40 05 19 00-3380	EA		18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,955.14	657.79
			<i>For Class 52 Rating, Deduct</i>	-655.44	
			<i>For Class 54 Rating, Add</i>	446.89	
			<i>For Class 55 Rating, Add</i>	993.28	
40 05 19 00-3381	EA		18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,114.45	660.44
			<i>For Class 52 Rating, Deduct</i>	-672.52	
			<i>For Class 54 Rating, Add</i>	458.54	
			<i>For Class 55 Rating, Add</i>	1,019.17	
40 05 19 00-3382	EA		18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,273.77	663.07
			<i>For Class 52 Rating, Deduct</i>	-689.60	
			<i>For Class 54 Rating, Add</i>	470.18	
			<i>For Class 55 Rating, Add</i>	1,045.06	
40 05 19 00-3383	EA		18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,433.08	665.72
			<i>For Class 52 Rating, Deduct</i>	-706.69	
			<i>For Class 54 Rating, Add</i>	481.83	
			<i>For Class 55 Rating, Add</i>	1,070.95	
40 05 19 00-3384	EA		18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,592.39	668.37
			<i>For Class 52 Rating, Deduct</i>	-723.77	
			<i>For Class 54 Rating, Add</i>	493.48	
			<i>For Class 55 Rating, Add</i>	1,096.84	
40 05 19 00-3385	EA		18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,751.72	671.01
			<i>For Class 52 Rating, Deduct</i>	-740.85	
			<i>For Class 54 Rating, Add</i>	505.13	
			<i>For Class 55 Rating, Add</i>	1,122.73	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

40 05 19 00-3386		20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3387	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,150.62	654.07
		<i>For Class 52 Rating, Deduct</i>	-127.56	
		<i>For Class 54 Rating, Add</i>	86.97	
		<i>For Class 55 Rating, Add</i>	193.31	
40 05 19 00-3388	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,331.68	656.72
		<i>For Class 52 Rating, Deduct</i>	-147.03	
		<i>For Class 54 Rating, Add</i>	100.25	
		<i>For Class 55 Rating, Add</i>	222.82	
40 05 19 00-3389	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,512.74	659.37
		<i>For Class 52 Rating, Deduct</i>	-166.51	
		<i>For Class 54 Rating, Add</i>	113.53	
		<i>For Class 55 Rating, Add</i>	252.33	
40 05 19 00-3390	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,693.79	662.02
		<i>For Class 52 Rating, Deduct</i>	-185.98	
		<i>For Class 54 Rating, Add</i>	126.81	
		<i>For Class 55 Rating, Add</i>	281.85	
40 05 19 00-3391	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,874.86	664.67
		<i>For Class 52 Rating, Deduct</i>	-205.46	
		<i>For Class 54 Rating, Add</i>	140.08	
		<i>For Class 55 Rating, Add</i>	311.36	
40 05 19 00-3392	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,055.92	667.31
		<i>For Class 52 Rating, Deduct</i>	-224.93	
		<i>For Class 54 Rating, Add</i>	153.36	
		<i>For Class 55 Rating, Add</i>	340.87	
40 05 19 00-3393	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,236.97	669.95
		<i>For Class 52 Rating, Deduct</i>	-244.41	
		<i>For Class 54 Rating, Add</i>	166.64	
		<i>For Class 55 Rating, Add</i>	370.39	
40 05 19 00-3394	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,418.03	672.61
		<i>For Class 52 Rating, Deduct</i>	-263.88	
		<i>For Class 54 Rating, Add</i>	179.92	
		<i>For Class 55 Rating, Add</i>	399.90	
40 05 19 00-3395	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,599.10	675.26
		<i>For Class 52 Rating, Deduct</i>	-283.36	
		<i>For Class 54 Rating, Add</i>	193.20	
		<i>For Class 55 Rating, Add</i>	429.42	
40 05 19 00-3396	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,780.15	677.90
		<i>For Class 52 Rating, Deduct</i>	-302.83	
		<i>For Class 54 Rating, Add</i>	206.48	
		<i>For Class 55 Rating, Add</i>	458.93	
40 05 19 00-3397	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,961.21	680.55
		<i>For Class 52 Rating, Deduct</i>	-322.31	
		<i>For Class 54 Rating, Add</i>	219.76	
		<i>For Class 55 Rating, Add</i>	488.44	
40 05 19 00-3398	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,142.27	683.20
		<i>For Class 52 Rating, Deduct</i>	-341.78	
		<i>For Class 54 Rating, Add</i>	233.03	
		<i>For Class 55 Rating, Add</i>	517.96	
40 05 19 00-3399	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,323.32	685.85
		<i>For Class 52 Rating, Deduct</i>	-361.26	
		<i>For Class 54 Rating, Add</i>	246.31	
		<i>For Class 55 Rating, Add</i>	547.47	
40 05 19 00-3400	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,504.39	688.50
		<i>For Class 52 Rating, Deduct</i>	-380.73	
		<i>For Class 54 Rating, Add</i>	259.59	
		<i>For Class 55 Rating, Add</i>	576.98	
40 05 19 00-3401	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,685.45	691.15
		<i>For Class 52 Rating, Deduct</i>	-400.21	
		<i>For Class 54 Rating, Add</i>	272.87	
		<i>For Class 55 Rating, Add</i>	606.50	
40 05 19 00-3402	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,866.50	693.80
		<i>For Class 52 Rating, Deduct</i>	-419.68	
		<i>For Class 54 Rating, Add</i>	286.15	
		<i>For Class 55 Rating, Add</i>	636.01	
40 05 19 00-3403	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,047.56	696.43
		<i>For Class 52 Rating, Deduct</i>	-439.16	
		<i>For Class 54 Rating, Add</i>	299.43	
		<i>For Class 55 Rating, Add</i>	665.52	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3404	EA		20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,228.62	699.08
			<i>For Class 52 Rating, Deduct</i>	-458.63	
			<i>For Class 54 Rating, Add</i>	312.70	
			<i>For Class 55 Rating, Add</i>	695.04	
40 05 19 00-3405	EA		20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,409.68	701.74
			<i>For Class 52 Rating, Deduct</i>	-478.11	
			<i>For Class 54 Rating, Add</i>	325.98	
			<i>For Class 55 Rating, Add</i>	724.55	
40 05 19 00-3406	EA		20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,590.74	704.39
			<i>For Class 52 Rating, Deduct</i>	-497.58	
			<i>For Class 54 Rating, Add</i>	339.26	
			<i>For Class 55 Rating, Add</i>	754.07	
40 05 19 00-3407	EA		20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,771.79	707.03
			<i>For Class 52 Rating, Deduct</i>	-517.06	
			<i>For Class 54 Rating, Add</i>	352.54	
			<i>For Class 55 Rating, Add</i>	783.58	
40 05 19 00-3408	EA		20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,952.85	709.68
			<i>For Class 52 Rating, Deduct</i>	-536.53	
			<i>For Class 54 Rating, Add</i>	365.82	
			<i>For Class 55 Rating, Add</i>	813.09	
40 05 19 00-3409	EA		20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,133.92	712.33
			<i>For Class 52 Rating, Deduct</i>	-556.01	
			<i>For Class 54 Rating, Add</i>	379.10	
			<i>For Class 55 Rating, Add</i>	842.61	
40 05 19 00-3410	EA		20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,314.97	714.98
			<i>For Class 52 Rating, Deduct</i>	-575.48	
			<i>For Class 54 Rating, Add</i>	392.38	
			<i>For Class 55 Rating, Add</i>	872.12	
40 05 19 00-3411	EA		20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,496.04	717.63
			<i>For Class 52 Rating, Deduct</i>	-594.96	
			<i>For Class 54 Rating, Add</i>	405.65	
			<i>For Class 55 Rating, Add</i>	901.63	
40 05 19 00-3412	EA		20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,677.09	720.27
			<i>For Class 52 Rating, Deduct</i>	-614.43	
			<i>For Class 54 Rating, Add</i>	418.93	
			<i>For Class 55 Rating, Add</i>	931.15	
40 05 19 00-3413	EA		20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,858.14	722.92
			<i>For Class 52 Rating, Deduct</i>	-633.91	
			<i>For Class 54 Rating, Add</i>	432.21	
			<i>For Class 55 Rating, Add</i>	960.66	
40 05 19 00-3414	EA		20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,039.21	725.56
			<i>For Class 52 Rating, Deduct</i>	-653.38	
			<i>For Class 54 Rating, Add</i>	445.49	
			<i>For Class 55 Rating, Add</i>	990.17	
40 05 19 00-3415	EA		20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,220.27	728.22
			<i>For Class 52 Rating, Deduct</i>	-672.86	
			<i>For Class 54 Rating, Add</i>	458.77	
			<i>For Class 55 Rating, Add</i>	1,019.69	
40 05 19 00-3416	EA		20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,401.32	730.87
			<i>For Class 52 Rating, Deduct</i>	-692.33	
			<i>For Class 54 Rating, Add</i>	472.05	
			<i>For Class 55 Rating, Add</i>	1,049.20	
40 05 19 00-3417	EA		20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,582.38	733.51
			<i>For Class 52 Rating, Deduct</i>	-711.81	
			<i>For Class 54 Rating, Add</i>	485.33	
			<i>For Class 55 Rating, Add</i>	1,078.72	
40 05 19 00-3418	EA		20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,763.45	736.16
			<i>For Class 52 Rating, Deduct</i>	-731.29	
			<i>For Class 54 Rating, Add</i>	498.60	
			<i>For Class 55 Rating, Add</i>	1,108.23	
40 05 19 00-3419	EA		20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,944.50	738.81
			<i>For Class 52 Rating, Deduct</i>	-750.76	
			<i>For Class 54 Rating, Add</i>	511.88	
			<i>For Class 55 Rating, Add</i>	1,137.74	
40 05 19 00-3420	EA		20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,125.57	741.47
			<i>For Class 52 Rating, Deduct</i>	-770.24	
			<i>For Class 54 Rating, Add</i>	525.16	
			<i>For Class 55 Rating, Add</i>	1,167.26	
40 05 19 00-3421	EA		20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,306.62	744.10
			<i>For Class 52 Rating, Deduct</i>	-789.71	
			<i>For Class 54 Rating, Add</i>	538.44	
			<i>For Class 55 Rating, Add</i>	1,196.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3422	EA		20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,487.67	746.75
			<i>For Class 52 Rating, Deduct</i>	-809.19	
			<i>For Class 54 Rating, Add</i>	551.72	
			<i>For Class 55 Rating, Add</i>	1,226.28	
40 05 19 00-3423	EA		20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,668.74	749.40
			<i>For Class 52 Rating, Deduct</i>	-828.66	
			<i>For Class 54 Rating, Add</i>	565.00	
			<i>For Class 55 Rating, Add</i>	1,255.80	
40 05 19 00-3424	EA		20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,849.80	752.04
			<i>For Class 52 Rating, Deduct</i>	-848.14	
			<i>For Class 54 Rating, Add</i>	578.27	
			<i>For Class 55 Rating, Add</i>	1,285.31	
40 05 19 00-3425			24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3426	EA		24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,619.00	773.23
			<i>For Class 52 Rating, Deduct</i>	-159.22	
			<i>For Class 54 Rating, Add</i>	108.56	
			<i>For Class 55 Rating, Add</i>	241.29	
40 05 19 00-3427	EA		24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,842.51	775.88
			<i>For Class 52 Rating, Deduct</i>	-183.36	
			<i>For Class 54 Rating, Add</i>	125.02	
			<i>For Class 55 Rating, Add</i>	277.88	
40 05 19 00-3428	EA		24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,066.02	778.53
			<i>For Class 52 Rating, Deduct</i>	-207.51	
			<i>For Class 54 Rating, Add</i>	141.48	
			<i>For Class 55 Rating, Add</i>	314.47	
40 05 19 00-3429	EA		24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,289.52	781.17
			<i>For Class 52 Rating, Deduct</i>	-231.65	
			<i>For Class 54 Rating, Add</i>	157.94	
			<i>For Class 55 Rating, Add</i>	351.06	
40 05 19 00-3430	EA		24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,513.04	783.83
			<i>For Class 52 Rating, Deduct</i>	-255.80	
			<i>For Class 54 Rating, Add</i>	174.41	
			<i>For Class 55 Rating, Add</i>	387.65	
40 05 19 00-3431	EA		24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,736.54	786.48
			<i>For Class 52 Rating, Deduct</i>	-279.94	
			<i>For Class 54 Rating, Add</i>	190.87	
			<i>For Class 55 Rating, Add</i>	424.24	
40 05 19 00-3432	EA		24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,960.06	789.13
			<i>For Class 52 Rating, Deduct</i>	-304.09	
			<i>For Class 54 Rating, Add</i>	207.33	
			<i>For Class 55 Rating, Add</i>	460.83	
40 05 19 00-3433	EA		24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,183.56	791.77
			<i>For Class 52 Rating, Deduct</i>	-328.23	
			<i>For Class 54 Rating, Add</i>	223.79	
			<i>For Class 55 Rating, Add</i>	497.42	
40 05 19 00-3434	EA		24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,407.06	794.42
			<i>For Class 52 Rating, Deduct</i>	-352.37	
			<i>For Class 54 Rating, Add</i>	240.26	
			<i>For Class 55 Rating, Add</i>	534.01	
40 05 19 00-3435	EA		24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,630.58	797.07
			<i>For Class 52 Rating, Deduct</i>	-376.52	
			<i>For Class 54 Rating, Add</i>	256.72	
			<i>For Class 55 Rating, Add</i>	570.60	
40 05 19 00-3436	EA		24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,854.09	799.71
			<i>For Class 52 Rating, Deduct</i>	-400.66	
			<i>For Class 54 Rating, Add</i>	273.18	
			<i>For Class 55 Rating, Add</i>	607.19	
40 05 19 00-3437	EA		24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,077.59	802.36
			<i>For Class 52 Rating, Deduct</i>	-424.81	
			<i>For Class 54 Rating, Add</i>	289.64	
			<i>For Class 55 Rating, Add</i>	643.78	
40 05 19 00-3438	EA		24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,301.10	805.01
			<i>For Class 52 Rating, Deduct</i>	-448.95	
			<i>For Class 54 Rating, Add</i>	306.10	
			<i>For Class 55 Rating, Add</i>	680.37	
40 05 19 00-3439	EA		24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,524.62	807.66
			<i>For Class 52 Rating, Deduct</i>	-473.10	
			<i>For Class 54 Rating, Add</i>	322.57	
			<i>For Class 55 Rating, Add</i>	716.96	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3440	EA		24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,748.12	810.31
			<i>For Class 52 Rating, Deduct</i>	-497.24	
			<i>For Class 54 Rating, Add</i>	339.03	
			<i>For Class 55 Rating, Add</i>	753.55	
40 05 19 00-3441	EA		24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,971.63	812.96
			<i>For Class 52 Rating, Deduct</i>	-521.39	
			<i>For Class 54 Rating, Add</i>	355.49	
			<i>For Class 55 Rating, Add</i>	790.14	
40 05 19 00-3442	EA		24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,195.13	815.61
			<i>For Class 52 Rating, Deduct</i>	-545.53	
			<i>For Class 54 Rating, Add</i>	371.95	
			<i>For Class 55 Rating, Add</i>	826.73	
40 05 19 00-3443	EA		24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,418.64	818.25
			<i>For Class 52 Rating, Deduct</i>	-569.68	
			<i>For Class 54 Rating, Add</i>	388.42	
			<i>For Class 55 Rating, Add</i>	863.32	
40 05 19 00-3444	EA		24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,642.16	820.89
			<i>For Class 52 Rating, Deduct</i>	-593.82	
			<i>For Class 54 Rating, Add</i>	404.88	
			<i>For Class 55 Rating, Add</i>	899.91	
40 05 19 00-3445	EA		24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,865.66	823.55
			<i>For Class 52 Rating, Deduct</i>	-617.96	
			<i>For Class 54 Rating, Add</i>	421.34	
			<i>For Class 55 Rating, Add</i>	936.50	
40 05 19 00-3446	EA		24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,089.18	826.20
			<i>For Class 52 Rating, Deduct</i>	-642.11	
			<i>For Class 54 Rating, Add</i>	437.80	
			<i>For Class 55 Rating, Add</i>	973.09	
40 05 19 00-3447	EA		24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,312.68	828.84
			<i>For Class 52 Rating, Deduct</i>	-666.25	
			<i>For Class 54 Rating, Add</i>	454.26	
			<i>For Class 55 Rating, Add</i>	1,009.68	
40 05 19 00-3448	EA		24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,536.19	831.49
			<i>For Class 52 Rating, Deduct</i>	-690.40	
			<i>For Class 54 Rating, Add</i>	470.73	
			<i>For Class 55 Rating, Add</i>	1,046.27	
40 05 19 00-3449	EA		24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,759.70	834.14
			<i>For Class 52 Rating, Deduct</i>	-714.54	
			<i>For Class 54 Rating, Add</i>	487.19	
			<i>For Class 55 Rating, Add</i>	1,082.86	
40 05 19 00-3450	EA		24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,983.20	836.79
			<i>For Class 52 Rating, Deduct</i>	-738.69	
			<i>For Class 54 Rating, Add</i>	503.65	
			<i>For Class 55 Rating, Add</i>	1,119.45	
40 05 19 00-3451	EA		24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,206.71	839.44
			<i>For Class 52 Rating, Deduct</i>	-762.83	
			<i>For Class 54 Rating, Add</i>	520.11	
			<i>For Class 55 Rating, Add</i>	1,156.04	
40 05 19 00-3452	EA		24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,430.22	842.09
			<i>For Class 52 Rating, Deduct</i>	-786.98	
			<i>For Class 54 Rating, Add</i>	536.58	
			<i>For Class 55 Rating, Add</i>	1,192.63	
40 05 19 00-3453	EA		24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,653.73	844.74
			<i>For Class 52 Rating, Deduct</i>	-811.12	
			<i>For Class 54 Rating, Add</i>	553.04	
			<i>For Class 55 Rating, Add</i>	1,229.22	
40 05 19 00-3454	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,877.24	847.37
			<i>For Class 52 Rating, Deduct</i>	-835.27	
			<i>For Class 54 Rating, Add</i>	569.50	
			<i>For Class 55 Rating, Add</i>	1,265.81	
40 05 19 00-3455	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,168.96	895.05
			<i>For Class 52 Rating, Deduct</i>	-859.41	
			<i>For Class 54 Rating, Add</i>	585.96	
			<i>For Class 55 Rating, Add</i>	1,302.40	
40 05 19 00-3456	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,392.47	897.69
			<i>For Class 52 Rating, Deduct</i>	-883.56	
			<i>For Class 54 Rating, Add</i>	602.42	
			<i>For Class 55 Rating, Add</i>	1,338.99	
40 05 19 00-3457	EA		24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,615.97	900.34
			<i>For Class 52 Rating, Deduct</i>	-907.70	
			<i>For Class 54 Rating, Add</i>	618.89	
			<i>For Class 55 Rating, Add</i>	1,375.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3458	EA		24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,839.49	902.99
			<i>For Class 52 Rating, Deduct</i>	-931.85	
			<i>For Class 54 Rating, Add</i>	635.35	
			<i>For Class 55 Rating, Add</i>	1,412.17	
40 05 19 00-3459	EA		24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,062.99	905.63
			<i>For Class 52 Rating, Deduct</i>	-955.99	
			<i>For Class 54 Rating, Add</i>	651.81	
			<i>For Class 55 Rating, Add</i>	1,448.76	
40 05 19 00-3460	EA		24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,321.86	908.29
			<i>For Class 52 Rating, Deduct</i>	-1,094.02	
			<i>For Class 54 Rating, Add</i>	745.93	
			<i>For Class 55 Rating, Add</i>	1,657.94	
40 05 19 00-3461	EA		24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,510.00	910.94
			<i>For Class 52 Rating, Deduct</i>	-1,004.28	
			<i>For Class 54 Rating, Add</i>	684.74	
			<i>For Class 55 Rating, Add</i>	1,521.94	
40 05 19 00-3462	EA		24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,733.51	913.58
			<i>For Class 52 Rating, Deduct</i>	-1,028.42	
			<i>For Class 54 Rating, Add</i>	701.20	
			<i>For Class 55 Rating, Add</i>	1,558.53	
40 05 19 00-3463	EA		24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,957.03	916.23
			<i>For Class 52 Rating, Deduct</i>	-1,052.57	
			<i>For Class 54 Rating, Add</i>	717.66	
			<i>For Class 55 Rating, Add</i>	1,595.12	
40 05 19 00-3464			30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3465	EA		30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,235.23	1,091.01
			<i>For Class 52 Rating, Deduct</i>	-284.04	
			<i>For Class 54 Rating, Add</i>	193.66	
			<i>For Class 55 Rating, Add</i>	430.45	
40 05 19 00-3466	EA		30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,553.98	1,093.65
			<i>For Class 52 Rating, Deduct</i>	-318.66	
			<i>For Class 54 Rating, Add</i>	217.27	
			<i>For Class 55 Rating, Add</i>	482.92	
40 05 19 00-3467	EA		30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,872.75	1,096.30
			<i>For Class 52 Rating, Deduct</i>	-353.29	
			<i>For Class 54 Rating, Add</i>	240.88	
			<i>For Class 55 Rating, Add</i>	535.39	
40 05 19 00-3468	EA		30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,191.51	1,098.95
			<i>For Class 52 Rating, Deduct</i>	-387.91	
			<i>For Class 54 Rating, Add</i>	264.48	
			<i>For Class 55 Rating, Add</i>	587.86	
40 05 19 00-3469	EA		30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,510.28	1,101.60
			<i>For Class 52 Rating, Deduct</i>	-422.53	
			<i>For Class 54 Rating, Add</i>	288.09	
			<i>For Class 55 Rating, Add</i>	640.33	
40 05 19 00-3470	EA		30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,829.03	1,104.24
			<i>For Class 52 Rating, Deduct</i>	-457.15	
			<i>For Class 54 Rating, Add</i>	311.70	
			<i>For Class 55 Rating, Add</i>	692.80	
40 05 19 00-3471	EA		30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,147.78	1,106.89
			<i>For Class 52 Rating, Deduct</i>	-491.77	
			<i>For Class 54 Rating, Add</i>	335.30	
			<i>For Class 55 Rating, Add</i>	745.26	
40 05 19 00-3472	EA		30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,466.55	1,109.54
			<i>For Class 52 Rating, Deduct</i>	-526.40	
			<i>For Class 54 Rating, Add</i>	358.91	
			<i>For Class 55 Rating, Add</i>	797.73	
40 05 19 00-3473	EA		30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,785.31	1,112.18
			<i>For Class 52 Rating, Deduct</i>	-561.02	
			<i>For Class 54 Rating, Add</i>	382.51	
			<i>For Class 55 Rating, Add</i>	850.20	
40 05 19 00-3474	EA		30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,104.08	1,114.84
			<i>For Class 52 Rating, Deduct</i>	-595.64	
			<i>For Class 54 Rating, Add</i>	406.12	
			<i>For Class 55 Rating, Add</i>	902.67	
40 05 19 00-3475	EA		30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,422.83	1,117.49
			<i>For Class 52 Rating, Deduct</i>	-630.26	
			<i>For Class 54 Rating, Add</i>	429.73	
			<i>For Class 55 Rating, Add</i>	955.14	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3476	EA		30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,741.60	1,120.14
			<i>For Class 52 Rating, Deduct</i>	-664.89	
			<i>For Class 54 Rating, Add</i>	453.33	
			<i>For Class 55 Rating, Add</i>	1,007.61	
40 05 19 00-3477	EA		30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,060.36	1,122.77
			<i>For Class 52 Rating, Deduct</i>	-699.51	
			<i>For Class 54 Rating, Add</i>	476.94	
			<i>For Class 55 Rating, Add</i>	1,060.08	
40 05 19 00-3478	EA		30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,379.13	1,125.42
			<i>For Class 52 Rating, Deduct</i>	-734.13	
			<i>For Class 54 Rating, Add</i>	500.54	
			<i>For Class 55 Rating, Add</i>	1,112.54	
40 05 19 00-3479	EA		30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,697.88	1,128.08
			<i>For Class 52 Rating, Deduct</i>	-768.75	
			<i>For Class 54 Rating, Add</i>	524.15	
			<i>For Class 55 Rating, Add</i>	1,165.01	
40 05 19 00-3480	EA		30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,016.64	1,130.72
			<i>For Class 52 Rating, Deduct</i>	-803.38	
			<i>For Class 54 Rating, Add</i>	547.76	
			<i>For Class 55 Rating, Add</i>	1,217.48	
40 05 19 00-3481	EA		30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,335.41	1,133.37
			<i>For Class 52 Rating, Deduct</i>	-838.00	
			<i>For Class 54 Rating, Add</i>	571.36	
			<i>For Class 55 Rating, Add</i>	1,269.95	
40 05 19 00-3482	EA		30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,654.17	1,136.02
			<i>For Class 52 Rating, Deduct</i>	-872.62	
			<i>For Class 54 Rating, Add</i>	594.97	
			<i>For Class 55 Rating, Add</i>	1,322.42	
40 05 19 00-3483	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,972.94	1,138.67
			<i>For Class 52 Rating, Deduct</i>	-907.24	
			<i>For Class 54 Rating, Add</i>	618.58	
			<i>For Class 55 Rating, Add</i>	1,374.89	
40 05 19 00-3484	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,291.69	1,141.31
			<i>For Class 52 Rating, Deduct</i>	-941.87	
			<i>For Class 54 Rating, Add</i>	642.18	
			<i>For Class 55 Rating, Add</i>	1,427.36	
40 05 19 00-3485	EA		30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,610.46	1,143.97
			<i>For Class 52 Rating, Deduct</i>	-976.49	
			<i>For Class 54 Rating, Add</i>	665.79	
			<i>For Class 55 Rating, Add</i>	1,479.83	
40 05 19 00-3486	EA		30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,929.22	1,146.62
			<i>For Class 52 Rating, Deduct</i>	-1,011.11	
			<i>For Class 54 Rating, Add</i>	689.39	
			<i>For Class 55 Rating, Add</i>	1,532.29	
40 05 19 00-3487	EA		30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,247.99	1,149.25
			<i>For Class 52 Rating, Deduct</i>	-1,045.73	
			<i>For Class 54 Rating, Add</i>	713.00	
			<i>For Class 55 Rating, Add</i>	1,584.76	
40 05 19 00-3488	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,566.73	1,151.90
			<i>For Class 52 Rating, Deduct</i>	-1,080.36	
			<i>For Class 54 Rating, Add</i>	736.61	
			<i>For Class 55 Rating, Add</i>	1,637.23	
40 05 19 00-3489	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,885.49	1,154.55
			<i>For Class 52 Rating, Deduct</i>	-1,114.98	
			<i>For Class 54 Rating, Add</i>	760.21	
			<i>For Class 55 Rating, Add</i>	1,689.70	
40 05 19 00-3490	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,204.26	1,157.21
			<i>For Class 52 Rating, Deduct</i>	-1,149.60	
			<i>For Class 54 Rating, Add</i>	783.82	
			<i>For Class 55 Rating, Add</i>	1,742.17	
40 05 19 00-3491	EA		30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,523.02	1,159.85
			<i>For Class 52 Rating, Deduct</i>	-1,184.22	
			<i>For Class 54 Rating, Add</i>	807.43	
			<i>For Class 55 Rating, Add</i>	1,794.64	
40 05 19 00-3492	EA		30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,841.79	1,162.50
			<i>For Class 52 Rating, Deduct</i>	-1,218.85	
			<i>For Class 54 Rating, Add</i>	831.03	
			<i>For Class 55 Rating, Add</i>	1,847.11	
40 05 19 00-3493	EA		30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,160.54	1,165.15
			<i>For Class 52 Rating, Deduct</i>	-1,253.47	
			<i>For Class 54 Rating, Add</i>	854.64	
			<i>For Class 55 Rating, Add</i>	1,899.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3494	EA		30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,479.31	1,167.80
			<i>For Class 52 Rating, Deduct</i>	-1,288.09	
			<i>For Class 54 Rating, Add</i>	878.24	
			<i>For Class 55 Rating, Add</i>	1,952.04	
40 05 19 00-3495	EA		30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,798.07	1,170.45
			<i>For Class 52 Rating, Deduct</i>	-1,322.71	
			<i>For Class 54 Rating, Add</i>	901.85	
			<i>For Class 55 Rating, Add</i>	2,004.51	
40 05 19 00-3496	EA		30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,116.84	1,173.10
			<i>For Class 52 Rating, Deduct</i>	-1,357.34	
			<i>For Class 54 Rating, Add</i>	925.46	
			<i>For Class 55 Rating, Add</i>	2,056.98	
40 05 19 00-3497	EA		30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,435.60	1,175.74
			<i>For Class 52 Rating, Deduct</i>	-1,391.96	
			<i>For Class 54 Rating, Add</i>	949.06	
			<i>For Class 55 Rating, Add</i>	2,109.45	
40 05 19 00-3498	EA		30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,754.35	1,178.38
			<i>For Class 52 Rating, Deduct</i>	-1,426.58	
			<i>For Class 54 Rating, Add</i>	972.67	
			<i>For Class 55 Rating, Add</i>	2,161.92	
40 05 19 00-3499	EA		30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,073.12	1,181.03
			<i>For Class 52 Rating, Deduct</i>	-1,461.20	
			<i>For Class 54 Rating, Add</i>	996.28	
			<i>For Class 55 Rating, Add</i>	2,214.39	
40 05 19 00-3500			36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3501	EA		36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,310.20	1,382.29
			<i>For Class 52 Rating, Deduct</i>	-353.74	
			<i>For Class 54 Rating, Add</i>	241.19	
			<i>For Class 55 Rating, Add</i>	536.08	
40 05 19 00-3502	EA		36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,736.65	1,384.94
			<i>For Class 52 Rating, Deduct</i>	-400.21	
			<i>For Class 54 Rating, Add</i>	272.87	
			<i>For Class 55 Rating, Add</i>	606.50	
40 05 19 00-3503	EA		36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,163.08	1,387.58
			<i>For Class 52 Rating, Deduct</i>	-446.67	
			<i>For Class 54 Rating, Add</i>	304.55	
			<i>For Class 55 Rating, Add</i>	676.92	
40 05 19 00-3504	EA		36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,589.53	1,390.23
			<i>For Class 52 Rating, Deduct</i>	-493.14	
			<i>For Class 54 Rating, Add</i>	336.23	
			<i>For Class 55 Rating, Add</i>	747.33	
40 05 19 00-3505	EA		36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,015.97	1,392.89
			<i>For Class 52 Rating, Deduct</i>	-539.61	
			<i>For Class 54 Rating, Add</i>	367.92	
			<i>For Class 55 Rating, Add</i>	817.75	
40 05 19 00-3506	EA		36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,442.40	1,395.53
			<i>For Class 52 Rating, Deduct</i>	-586.08	
			<i>For Class 54 Rating, Add</i>	399.60	
			<i>For Class 55 Rating, Add</i>	888.17	
40 05 19 00-3507	EA		36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,868.84	1,398.18
			<i>For Class 52 Rating, Deduct</i>	-632.54	
			<i>For Class 54 Rating, Add</i>	431.28	
			<i>For Class 55 Rating, Add</i>	958.59	
40 05 19 00-3508	EA		36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,295.28	1,400.83
			<i>For Class 52 Rating, Deduct</i>	-679.01	
			<i>For Class 54 Rating, Add</i>	462.96	
			<i>For Class 55 Rating, Add</i>	1,029.01	
40 05 19 00-3509	EA		36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,721.72	1,403.47
			<i>For Class 52 Rating, Deduct</i>	-725.48	
			<i>For Class 54 Rating, Add</i>	494.64	
			<i>For Class 55 Rating, Add</i>	1,099.43	
40 05 19 00-3510	EA		36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,148.15	1,406.12
			<i>For Class 52 Rating, Deduct</i>	-771.94	
			<i>For Class 54 Rating, Add</i>	526.33	
			<i>For Class 55 Rating, Add</i>	1,169.85	
40 05 19 00-3511	EA		36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,574.60	1,408.77
			<i>For Class 52 Rating, Deduct</i>	-818.41	
			<i>For Class 54 Rating, Add</i>	558.01	
			<i>For Class 55 Rating, Add</i>	1,240.26	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3512	EA		36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,001.03	1,411.42
			<i>For Class 52 Rating, Deduct</i>	-864.88	
			<i>For Class 54 Rating, Add</i>	589.69	
			<i>For Class 55 Rating, Add</i>	1,310.68	
40 05 19 00-3513	EA		36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,427.48	1,414.06
			<i>For Class 52 Rating, Deduct</i>	-911.34	
			<i>For Class 54 Rating, Add</i>	621.37	
			<i>For Class 55 Rating, Add</i>	1,381.10	
40 05 19 00-3514	EA		36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,853.92	1,416.71
			<i>For Class 52 Rating, Deduct</i>	-957.81	
			<i>For Class 54 Rating, Add</i>	653.05	
			<i>For Class 55 Rating, Add</i>	1,451.52	
40 05 19 00-3515	EA		36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,280.35	1,419.37
			<i>For Class 52 Rating, Deduct</i>	-1,004.28	
			<i>For Class 54 Rating, Add</i>	684.74	
			<i>For Class 55 Rating, Add</i>	1,521.94	
40 05 19 00-3516	EA		36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,706.79	1,422.02
			<i>For Class 52 Rating, Deduct</i>	-1,050.75	
			<i>For Class 54 Rating, Add</i>	716.42	
			<i>For Class 55 Rating, Add</i>	1,592.36	
40 05 19 00-3517	EA		36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,133.23	1,424.66
			<i>For Class 52 Rating, Deduct</i>	-1,097.21	
			<i>For Class 54 Rating, Add</i>	748.10	
			<i>For Class 55 Rating, Add</i>	1,662.78	
40 05 19 00-3518	EA		36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,559.68	1,427.30
			<i>For Class 52 Rating, Deduct</i>	-1,143.68	
			<i>For Class 54 Rating, Add</i>	779.78	
			<i>For Class 55 Rating, Add</i>	1,733.19	
40 05 19 00-3519	EA		36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,986.10	1,429.95
			<i>For Class 52 Rating, Deduct</i>	-1,190.15	
			<i>For Class 54 Rating, Add</i>	811.46	
			<i>For Class 55 Rating, Add</i>	1,803.61	
40 05 19 00-3520	EA		36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,412.55	1,432.61
			<i>For Class 52 Rating, Deduct</i>	-1,236.61	
			<i>For Class 54 Rating, Add</i>	843.15	
			<i>For Class 55 Rating, Add</i>	1,874.03	
40 05 19 00-3521	EA		36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,838.99	1,435.25
			<i>For Class 52 Rating, Deduct</i>	-1,283.08	
			<i>For Class 54 Rating, Add</i>	874.83	
			<i>For Class 55 Rating, Add</i>	1,944.45	
40 05 19 00-3522	EA		36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,265.43	1,437.90
			<i>For Class 52 Rating, Deduct</i>	-1,329.55	
			<i>For Class 54 Rating, Add</i>	906.51	
			<i>For Class 55 Rating, Add</i>	2,014.87	
40 05 19 00-3523	EA		36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,691.87	1,440.55
			<i>For Class 52 Rating, Deduct</i>	-1,376.01	
			<i>For Class 54 Rating, Add</i>	938.19	
			<i>For Class 55 Rating, Add</i>	2,085.29	
40 05 19 00-3524	EA		36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,118.31	1,443.19
			<i>For Class 52 Rating, Deduct</i>	-1,422.48	
			<i>For Class 54 Rating, Add</i>	969.87	
			<i>For Class 55 Rating, Add</i>	2,155.71	
40 05 19 00-3525	EA		36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,544.74	1,445.84
			<i>For Class 52 Rating, Deduct</i>	-1,468.95	
			<i>For Class 54 Rating, Add</i>	1,001.56	
			<i>For Class 55 Rating, Add</i>	2,226.12	
40 05 19 00-3526	EA		36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,971.18	1,448.50
			<i>For Class 52 Rating, Deduct</i>	-1,515.42	
			<i>For Class 54 Rating, Add</i>	1,033.24	
			<i>For Class 55 Rating, Add</i>	2,296.54	
40 05 19 00-3527	EA		36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,397.63	1,451.15
			<i>For Class 52 Rating, Deduct</i>	-1,561.88	
			<i>For Class 54 Rating, Add</i>	1,064.92	
			<i>For Class 55 Rating, Add</i>	2,366.96	
40 05 19 00-3528	EA		36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,824.05	1,453.78
			<i>For Class 52 Rating, Deduct</i>	-1,608.35	
			<i>For Class 54 Rating, Add</i>	1,096.60	
			<i>For Class 55 Rating, Add</i>	2,437.38	
40 05 19 00-3529	EA		36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,250.50	1,456.43
			<i>For Class 52 Rating, Deduct</i>	-1,654.82	
			<i>For Class 54 Rating, Add</i>	1,128.28	
			<i>For Class 55 Rating, Add</i>	2,507.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3530	EA		36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,676.94	1,459.08
			For Class 52 Rating, Deduct.....	-1,701.28	
			For Class 54 Rating, Add.....	1,159.97	
			For Class 55 Rating, Add.....	2,578.22	
40 05 19 00-3531	EA		36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,103.38	1,461.73
			For Class 52 Rating, Deduct.....	-1,747.75	
			For Class 54 Rating, Add.....	1,191.65	
			For Class 55 Rating, Add.....	2,648.63	
40 05 19 00-3532	EA		36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,529.82	1,464.38
			For Class 52 Rating, Deduct.....	-1,794.22	
			For Class 54 Rating, Add.....	1,223.33	
			For Class 55 Rating, Add.....	2,719.05	
40 05 19 00-3533	EA		36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,956.26	1,467.03
			For Class 52 Rating, Deduct.....	-1,840.68	
			For Class 54 Rating, Add.....	1,255.01	
			For Class 55 Rating, Add.....	2,789.47	
40 05 19 00-3534	EA		36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,382.70	1,469.68
			For Class 52 Rating, Deduct.....	-1,887.15	
			For Class 54 Rating, Add.....	1,286.69	
			For Class 55 Rating, Add.....	2,859.89	
40 05 19 00-3535	EA		36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,809.13	1,472.32
			For Class 52 Rating, Deduct.....	-1,933.62	
			For Class 54 Rating, Add.....	1,318.38	
			For Class 55 Rating, Add.....	2,930.31	
40 05 19 00-3536			42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3537	EA		42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,951.28	1,742.43
			For Class 52 Rating, Deduct.....	-474.24	
			For Class 54 Rating, Add.....	323.34	
			For Class 55 Rating, Add.....	718.68	
40 05 19 00-3538	EA		42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,578.58	1,745.07
			For Class 52 Rating, Deduct.....	-542.80	
			For Class 54 Rating, Add.....	370.09	
			For Class 55 Rating, Add.....	822.59	
40 05 19 00-3539	EA		42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,200.70	1,747.72
			For Class 52 Rating, Deduct.....	-610.79	
			For Class 54 Rating, Add.....	416.45	
			For Class 55 Rating, Add.....	925.63	
40 05 19 00-3540	EA		42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,829.04	1,750.37
			For Class 52 Rating, Deduct.....	-679.47	
			For Class 54 Rating, Add.....	463.27	
			For Class 55 Rating, Add.....	1,029.70	
40 05 19 00-3541	EA		42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,453.23	1,753.03
			For Class 52 Rating, Deduct.....	-747.69	
			For Class 54 Rating, Add.....	509.79	
			For Class 55 Rating, Add.....	1,133.08	
40 05 19 00-3542	EA		42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,083.63	1,755.66
			For Class 52 Rating, Deduct.....	-816.59	
			For Class 54 Rating, Add.....	556.76	
			For Class 55 Rating, Add.....	1,237.50	
40 05 19 00-3543	EA		42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,707.82	1,758.31
			For Class 52 Rating, Deduct.....	-884.81	
			For Class 54 Rating, Add.....	603.28	
			For Class 55 Rating, Add.....	1,340.89	
40 05 19 00-3544	EA		42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,339.27	1,760.96
			For Class 52 Rating, Deduct.....	-953.83	
			For Class 54 Rating, Add.....	650.34	
			For Class 55 Rating, Add.....	1,445.48	
40 05 19 00-3545	EA		42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,964.50	1,763.61
			For Class 52 Rating, Deduct.....	-1,022.16	
			For Class 54 Rating, Add.....	696.93	
			For Class 55 Rating, Add.....	1,549.04	
40 05 19 00-3546	EA		42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,596.97	1,766.26
			For Class 52 Rating, Deduct.....	-1,091.29	
			For Class 54 Rating, Add.....	744.06	
			For Class 55 Rating, Add.....	1,653.80	
40 05 19 00-3547	EA		42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,222.20	1,768.91
			For Class 52 Rating, Deduct.....	-1,159.62	
			For Class 54 Rating, Add.....	790.65	
			For Class 55 Rating, Add.....	1,757.36	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3548	EA		42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,854.67	1,771.56
			<i>For Class 52 Rating, Deduct</i>	-1,228.76	
			<i>For Class 54 Rating, Add</i>	837.79	
			<i>For Class 55 Rating, Add</i>	1,862.12	
40 05 19 00-3549	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,480.94	1,774.20
			<i>For Class 52 Rating, Deduct</i>	-1,297.20	
			<i>For Class 54 Rating, Add</i>	884.46	
			<i>For Class 55 Rating, Add</i>	1,965.85	
40 05 19 00-3550	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,108.24	1,776.85
			<i>For Class 52 Rating, Deduct</i>	-1,365.76	
			<i>For Class 54 Rating, Add</i>	931.20	
			<i>For Class 55 Rating, Add</i>	2,069.75	
40 05 19 00-3551	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,739.68	1,779.51
			<i>For Class 52 Rating, Deduct</i>	-1,434.78	
			<i>For Class 54 Rating, Add</i>	978.26	
			<i>For Class 55 Rating, Add</i>	2,174.35	
40 05 19 00-3552	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,365.94	1,782.15
			<i>For Class 52 Rating, Deduct</i>	-1,503.23	
			<i>For Class 54 Rating, Add</i>	1,024.93	
			<i>For Class 55 Rating, Add</i>	2,278.08	
40 05 19 00-3553	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,999.45	1,784.79
			<i>For Class 52 Rating, Deduct</i>	-1,572.47	
			<i>For Class 54 Rating, Add</i>	1,072.14	
			<i>For Class 55 Rating, Add</i>	2,383.01	
40 05 19 00-3554	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,626.75	1,787.44
			<i>For Class 52 Rating, Deduct</i>	-1,641.04	
			<i>For Class 54 Rating, Add</i>	1,118.89	
			<i>For Class 55 Rating, Add</i>	2,486.91	
40 05 19 00-3555	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,259.23	1,790.09
			<i>For Class 52 Rating, Deduct</i>	-1,710.17	
			<i>For Class 54 Rating, Add</i>	1,166.02	
			<i>For Class 55 Rating, Add</i>	2,591.68	
40 05 19 00-3556	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,886.52	1,792.73
			<i>For Class 52 Rating, Deduct</i>	-1,778.73	
			<i>For Class 54 Rating, Add</i>	1,212.77	
			<i>For Class 55 Rating, Add</i>	2,695.58	
40 05 19 00-3557	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,520.03	1,795.39
			<i>For Class 52 Rating, Deduct</i>	-1,847.97	
			<i>For Class 54 Rating, Add</i>	1,259.98	
			<i>For Class 55 Rating, Add</i>	2,800.52	
40 05 19 00-3558	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,147.34	1,798.04
			<i>For Class 52 Rating, Deduct</i>	-1,916.53	
			<i>For Class 54 Rating, Add</i>	1,306.73	
			<i>For Class 55 Rating, Add</i>	2,904.42	
40 05 19 00-3559	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,780.85	1,800.69
			<i>For Class 52 Rating, Deduct</i>	-1,985.78	
			<i>For Class 54 Rating, Add</i>	1,353.94	
			<i>For Class 55 Rating, Add</i>	3,009.36	
40 05 19 00-3560	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,407.11	1,803.33
			<i>For Class 52 Rating, Deduct</i>	-2,054.23	
			<i>For Class 54 Rating, Add</i>	1,400.61	
			<i>For Class 55 Rating, Add</i>	3,113.09	
40 05 19 00-3561	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,041.65	1,805.97
			<i>For Class 52 Rating, Deduct</i>	-2,123.59	
			<i>For Class 54 Rating, Add</i>	1,447.90	
			<i>For Class 55 Rating, Add</i>	3,218.20	
40 05 19 00-3562	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,668.95	1,808.63
			<i>For Class 52 Rating, Deduct</i>	-2,192.15	
			<i>For Class 54 Rating, Add</i>	1,494.65	
			<i>For Class 55 Rating, Add</i>	3,322.10	
40 05 19 00-3563	EA		42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,301.43	1,811.27
			<i>For Class 52 Rating, Deduct</i>	-2,261.28	
			<i>For Class 54 Rating, Add</i>	1,541.78	
			<i>For Class 55 Rating, Add</i>	3,426.86	
40 05 19 00-3564	EA		42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,929.76	1,813.92
			<i>For Class 52 Rating, Deduct</i>	-2,329.95	
			<i>For Class 54 Rating, Add</i>	1,588.60	
			<i>For Class 55 Rating, Add</i>	3,530.94	
40 05 19 00-3565	EA		42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,434.89	1,816.57
			<i>For Class 52 Rating, Deduct</i>	-2,385.08	
			<i>For Class 54 Rating, Add</i>	1,626.19	
			<i>For Class 55 Rating, Add</i>	3,614.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3566	EA		42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,190.57	1,819.22
			<i>For Class 52 Rating, Deduct</i>	-2,467.76	
			<i>For Class 54 Rating, Add</i>	1,682.56	
			<i>For Class 55 Rating, Add</i>	3,739.78	
40 05 19 00-3567	EA		42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,816.84	1,821.87
			<i>For Class 52 Rating, Deduct</i>	-2,536.21	
			<i>For Class 54 Rating, Add</i>	1,729.23	
			<i>For Class 55 Rating, Add</i>	3,843.51	
40 05 19 00-3568	EA		42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,450.35	1,824.52
			<i>For Class 52 Rating, Deduct</i>	-2,605.45	
			<i>For Class 54 Rating, Add</i>	1,776.44	
			<i>For Class 55 Rating, Add</i>	3,948.44	
40 05 19 00-3569	EA		42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,077.66	1,827.17
			<i>For Class 52 Rating, Deduct</i>	-2,674.01	
			<i>For Class 54 Rating, Add</i>	1,823.19	
			<i>For Class 55 Rating, Add</i>	4,052.35	
40 05 19 00-3570	EA		42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,712.19	1,829.82
			<i>For Class 52 Rating, Deduct</i>	-2,743.37	
			<i>For Class 54 Rating, Add</i>	1,870.48	
			<i>For Class 55 Rating, Add</i>	4,157.46	
40 05 19 00-3571	EA		42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,338.45	1,832.45
			<i>For Class 52 Rating, Deduct</i>	-2,811.82	
			<i>For Class 54 Rating, Add</i>	1,917.15	
			<i>For Class 55 Rating, Add</i>	4,261.19	
40 05 19 00-3572			48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3573	EA		48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,924.57	2,189.94
			<i>For Class 52 Rating, Deduct</i>	-616.71	
			<i>For Class 54 Rating, Add</i>	420.49	
			<i>For Class 55 Rating, Add</i>	934.60	
40 05 19 00-3574	EA		48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,825.21	2,192.59
			<i>For Class 52 Rating, Deduct</i>	-715.34	
			<i>For Class 54 Rating, Add</i>	487.73	
			<i>For Class 55 Rating, Add</i>	1,084.07	
40 05 19 00-3575	EA		48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,728.95	2,195.25
			<i>For Class 52 Rating, Deduct</i>	-814.31	
			<i>For Class 54 Rating, Add</i>	555.21	
			<i>For Class 55 Rating, Add</i>	1,234.05	
40 05 19 00-3576	EA		48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,642.01	2,197.90
			<i>For Class 52 Rating, Deduct</i>	-914.31	
			<i>For Class 54 Rating, Add</i>	623.39	
			<i>For Class 55 Rating, Add</i>	1,385.59	
40 05 19 00-3577	EA		48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,553.01	2,200.54
			<i>For Class 52 Rating, Deduct</i>	-1,014.07	
			<i>For Class 54 Rating, Add</i>	691.41	
			<i>For Class 55 Rating, Add</i>	1,536.78	
40 05 19 00-3578	EA		48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,465.02	2,203.19
			<i>For Class 52 Rating, Deduct</i>	-1,113.95	
			<i>For Class 54 Rating, Add</i>	759.51	
			<i>For Class 55 Rating, Add</i>	1,688.15	
40 05 19 00-3579	EA		48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,383.26	2,205.84
			<i>For Class 52 Rating, Deduct</i>	-1,214.52	
			<i>For Class 54 Rating, Add</i>	828.08	
			<i>For Class 55 Rating, Add</i>	1,840.55	
40 05 19 00-3580	EA		48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,299.42	2,208.48
			<i>For Class 52 Rating, Deduct</i>	-1,314.86	
			<i>For Class 54 Rating, Add</i>	896.49	
			<i>For Class 55 Rating, Add</i>	1,992.60	
40 05 19 00-3581	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,213.52	2,211.13
			<i>For Class 52 Rating, Deduct</i>	-1,414.96	
			<i>For Class 54 Rating, Add</i>	964.75	
			<i>For Class 55 Rating, Add</i>	2,144.31	
40 05 19 00-3582	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,135.89	2,213.78
			<i>For Class 52 Rating, Deduct</i>	-1,515.98	
			<i>For Class 54 Rating, Add</i>	1,033.63	
			<i>For Class 55 Rating, Add</i>	2,297.41	
40 05 19 00-3583	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,054.12	2,216.43
			<i>For Class 52 Rating, Deduct</i>	-1,616.55	
			<i>For Class 54 Rating, Add</i>	1,102.19	
			<i>For Class 55 Rating, Add</i>	2,449.81	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3584	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,977.54	2,219.07
			<i>For Class 52 Rating, Deduct</i>	-1,717.68	
			<i>For Class 54 Rating, Add</i>	1,171.15	
			<i>For Class 55 Rating, Add</i>	2,603.07	
40 05 19 00-3585	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,894.74	2,221.72
			<i>For Class 52 Rating, Deduct</i>	-1,818.13	
			<i>For Class 54 Rating, Add</i>	1,239.64	
			<i>For Class 55 Rating, Add</i>	2,755.30	
40 05 19 00-3586	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,814.02	2,224.38
			<i>For Class 52 Rating, Deduct</i>	-1,918.81	
			<i>For Class 54 Rating, Add</i>	1,308.28	
			<i>For Class 55 Rating, Add</i>	2,907.87	
40 05 19 00-3587	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,738.45	2,227.03
			<i>For Class 52 Rating, Deduct</i>	-2,020.06	
			<i>For Class 54 Rating, Add</i>	1,377.31	
			<i>For Class 55 Rating, Add</i>	3,061.31	
40 05 19 00-3588	EA		48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,657.73	2,229.67
			<i>For Class 52 Rating, Deduct</i>	-2,120.74	
			<i>For Class 54 Rating, Add</i>	1,445.96	
			<i>For Class 55 Rating, Add</i>	3,213.88	
40 05 19 00-3589	EA		48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,577.00	2,232.32
			<i>For Class 52 Rating, Deduct</i>	-2,221.42	
			<i>For Class 54 Rating, Add</i>	1,514.60	
			<i>For Class 55 Rating, Add</i>	3,366.46	
40 05 19 00-3590	EA		48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,502.49	2,234.97
			<i>For Class 52 Rating, Deduct</i>	-2,322.78	
			<i>For Class 54 Rating, Add</i>	1,583.71	
			<i>For Class 55 Rating, Add</i>	3,520.07	
40 05 19 00-3591	EA		48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,422.78	2,237.61
			<i>For Class 52 Rating, Deduct</i>	-2,423.57	
			<i>For Class 54 Rating, Add</i>	1,652.43	
			<i>For Class 55 Rating, Add</i>	3,672.81	
40 05 19 00-3592	EA		48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,342.05	2,240.26
			<i>For Class 52 Rating, Deduct</i>	-2,524.25	
			<i>For Class 54 Rating, Add</i>	1,721.08	
			<i>For Class 55 Rating, Add</i>	3,825.38	
40 05 19 00-3593	EA		48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,269.61	2,242.91
			<i>For Class 52 Rating, Deduct</i>	-2,625.84	
			<i>For Class 54 Rating, Add</i>	1,790.34	
			<i>For Class 55 Rating, Add</i>	3,979.34	
40 05 19 00-3594	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,190.95	2,245.56
			<i>For Class 52 Rating, Deduct</i>	-2,726.74	
			<i>For Class 54 Rating, Add</i>	1,859.14	
			<i>For Class 55 Rating, Add</i>	4,132.26	
40 05 19 00-3595	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,111.26	2,248.20
			<i>For Class 52 Rating, Deduct</i>	-2,827.54	
			<i>For Class 54 Rating, Add</i>	1,927.87	
			<i>For Class 55 Rating, Add</i>	4,285.00	
40 05 19 00-3596	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,037.77	2,250.86
			<i>For Class 52 Rating, Deduct</i>	-2,929.01	
			<i>For Class 54 Rating, Add</i>	1,997.05	
			<i>For Class 55 Rating, Add</i>	4,438.79	
40 05 19 00-3597	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,959.12	2,253.51
			<i>For Class 52 Rating, Deduct</i>	-3,029.92	
			<i>For Class 54 Rating, Add</i>	2,065.85	
			<i>For Class 55 Rating, Add</i>	4,591.70	
40 05 19 00-3598	EA		48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,879.42	2,256.15
			<i>For Class 52 Rating, Deduct</i>	-3,130.71	
			<i>For Class 54 Rating, Add</i>	2,134.58	
			<i>For Class 55 Rating, Add</i>	4,744.45	
40 05 19 00-3599	EA		48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,806.97	2,258.80
			<i>For Class 52 Rating, Deduct</i>	-3,232.30	
			<i>For Class 54 Rating, Add</i>	2,203.84	
			<i>For Class 55 Rating, Add</i>	4,898.40	
40 05 19 00-3600	EA		48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,728.32	2,261.44
			<i>For Class 52 Rating, Deduct</i>	-3,333.21	
			<i>For Class 54 Rating, Add</i>	2,272.64	
			<i>For Class 55 Rating, Add</i>	5,051.32	
40 05 19 00-3601	EA		48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,540.94	2,264.10
			<i>For Class 52 Rating, Deduct</i>	-3,422.16	
			<i>For Class 54 Rating, Add</i>	2,333.29	
			<i>For Class 55 Rating, Add</i>	5,186.12	

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

40 05 19 00-3602	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,578.25	2,266.74
		<i>For Class 52 Rating, Deduct</i>	-3,535.82	
		<i>For Class 54 Rating, Add</i>	2,410.78	
		<i>For Class 55 Rating, Add</i>	5,358.37	
40 05 19 00-3603	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,498.55	2,269.39
		<i>For Class 52 Rating, Deduct</i>	-3,636.61	
		<i>For Class 54 Rating, Add</i>	2,479.51	
		<i>For Class 55 Rating, Add</i>	5,511.12	
40 05 19 00-3604	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,428.18	2,272.04
		<i>For Class 52 Rating, Deduct</i>	-3,738.43	
		<i>For Class 54 Rating, Add</i>	2,548.93	
		<i>For Class 55 Rating, Add</i>	5,665.41	
40 05 19 00-3605	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,348.48	2,274.68
		<i>For Class 52 Rating, Deduct</i>	-3,839.22	
		<i>For Class 54 Rating, Add</i>	2,617.65	
		<i>For Class 55 Rating, Add</i>	5,818.16	
40 05 19 00-3606	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	39,268.79	2,277.34
		<i>For Class 52 Rating, Deduct</i>	-3,940.01	
		<i>For Class 54 Rating, Add</i>	2,686.37	
		<i>For Class 55 Rating, Add</i>	5,970.91	
40 05 19 00-3607	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	40,198.41	2,279.99
		<i>For Class 52 Rating, Deduct</i>	-4,041.83	
		<i>For Class 54 Rating, Add</i>	2,755.79	
		<i>For Class 55 Rating, Add</i>	6,125.21	

40 05 19 00-3608 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows (40 05 19 00-2059)

40 05 19 00-3609	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	563.19	127.76
40 05 19 00-3610	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	813.88	163.38
40 05 19 00-3611	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,139.74	185.05
40 05 19 00-3612	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,614.47	234.61
40 05 19 00-3613	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,996.92	260.16
40 05 19 00-3614	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,432.66	282.62
40 05 19 00-3615	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,987.95	348.43
40 05 19 00-3616	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,739.59	418.11
40 05 19 00-3617	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,577.85	526.51
40 05 19 00-3618	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	6,726.20	596.21
40 05 19 00-3619	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	10,377.16	789.78
40 05 19 00-3620	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	15,263.00	894.30
40 05 19 00-3621	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	25,820.52	1,022.05
40 05 19 00-3622	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	34,113.68	1,254.34

40 05 19 00-3623 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbows (40 05 19 00-2059)

40 05 19 00-3624	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	539.38	127.76
40 05 19 00-3625	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	774.54	163.38
40 05 19 00-3626	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,042.41	185.05
40 05 19 00-3627	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,475.73	234.61
40 05 19 00-3628	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,817.80	260.16
40 05 19 00-3629	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,108.59	282.62
40 05 19 00-3630	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,592.44	348.43
40 05 19 00-3631	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,288.17	418.11
40 05 19 00-3632	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,135.75	526.51
40 05 19 00-3633	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	5,387.48	596.21
40 05 19 00-3634	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	10,140.06	789.78
40 05 19 00-3635	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	14,946.18	894.30
40 05 19 00-3636	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	22,447.32	1,022.05
40 05 19 00-3637	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	30,296.30	1,254.34

40 05 19 00-3638 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows (40 05 19 00-2059)

40 05 19 00-3639	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	538.34	127.76
40 05 19 00-3640	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	761.08	163.38
40 05 19 00-3641	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,034.13	185.05
40 05 19 00-3642	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,443.63	234.61
40 05 19 00-3643	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,889.24	260.16
40 05 19 00-3644	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,327.05	282.62
40 05 19 00-3645	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,642.14	348.43
40 05 19 00-3646	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,348.22	418.11
40 05 19 00-3647	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,393.56	526.51
40 05 19 00-3648	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,982.82	596.21
40 05 19 00-3649	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	10,245.67	789.78
40 05 19 00-3650	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	15,187.42	894.30
40 05 19 00-3651	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	22,928.76	1,022.05
40 05 19 00-3652	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	30,925.80	1,254.34

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3653 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows (40 05 19 00-2059)		
40 05 19 00-3654 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	578.72	127.76
40 05 19 00-3655 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	836.66	163.38
40 05 19 00-3656 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,065.19	185.05
40 05 19 00-3657 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,554.42	234.61
40 05 19 00-3658 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,095.28	260.16
40 05 19 00-3659 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,379.85	282.62
40 05 19 00-3660 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,864.74	348.43
40 05 19 00-3661 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,348.22	418.11
40 05 19 00-3662 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,393.56	526.51
40 05 19 00-3663 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	6,194.03	596.21
40 05 19 00-3664 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	10,349.20	789.78
40 05 19 00-3665 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	15,293.03	894.30
40 05 19 00-3666 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	23,039.55	1,022.05
40 05 19 00-3667 EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	31,149.44	1,254.34
40 05 19 00-3668 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows (40 05 19 00-2059)		
40 05 19 00-3669 EA 6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	785.87	145.56
40 05 19 00-3670 EA 8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	999.00	156.41
40 05 19 00-3671 EA 8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,087.07	174.21
40 05 19 00-3672 EA 10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,466.23	181.18
40 05 19 00-3673 EA 10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,500.45	198.99
40 05 19 00-3674 EA 10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,609.02	209.84
40 05 19 00-3675 EA 12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,749.21	212.15
40 05 19 00-3676 EA 12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,946.82	222.99
40 05 19 00-3677 EA 12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,045.45	247.78
40 05 19 00-3678 EA 14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,025.51	222.99
40 05 19 00-3679 EA 14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,193.10	233.84
40 05 19 00-3680 EA 14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,379.73	258.61
40 05 19 00-3681 EA 14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,581.89	271.78
40 05 19 00-3682 EA 16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,331.10	255.90
40 05 19 00-3683 EA 16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,468.66	266.75
40 05 19 00-3684 EA 16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,746.41	291.52
40 05 19 00-3685 EA 16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,949.02	304.29
40 05 19 00-3686 EA 16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,115.13	315.52
40 05 19 00-3687 EA 18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,703.82	290.75
40 05 19 00-3688 EA 18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,113.68	301.59
40 05 19 00-3689 EA 18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,179.18	326.36
40 05 19 00-3690 EA 18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,319.68	339.14
40 05 19 00-3691 EA 18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,547.90	350.36
40 05 19 00-3692 EA 18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,806.90	383.27
40 05 19 00-3693 EA 20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,371.95	344.95
40 05 19 00-3694 EA 20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,551.97	355.78
40 05 19 00-3695 EA 20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,238.68	380.57
40 05 19 00-3696 EA 20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,367.79	393.34
40 05 19 00-3697 EA 20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,748.21	404.57
40 05 19 00-3698 EA 20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,648.98	437.48
40 05 19 00-3699 EA 20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,895.38	472.32
40 05 19 00-3700 EA 24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,618.52	379.79
40 05 19 00-3701 EA 24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,795.42	390.62
40 05 19 00-3702 EA 24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,093.87	415.41
40 05 19 00-3703 EA 24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,307.88	428.18
40 05 19 00-3704 EA 24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,714.19	439.41
40 05 19 00-3705 EA 24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,089.15	472.32
40 05 19 00-3706 EA 24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,206.13	507.16
40 05 19 00-3707 EA 24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,488.57	501.55
40 05 19 00-3708 EA 30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,792.36	524.96
40 05 19 00-3709 EA 30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,227.67	536.20
40 05 19 00-3710 EA 30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,297.36	569.10
40 05 19 00-3711 EA 30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,450.74	603.94
40 05 19 00-3712 EA 30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,918.48	658.15
40 05 19 00-3713 EA 30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,869.97	692.99
40 05 19 00-3714 EA 36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,484.13	710.41
40 05 19 00-3715 EA 36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,717.23	745.25
40 05 19 00-3716 EA 36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,456.10	842.04
40 05 19 00-3717 EA 42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	19,864.51	774.29
40 05 19 00-3718 EA 42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	20,353.19	809.13
40 05 19 00-3719 EA 42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	20,379.75	905.91
40 05 19 00-3720 EA 42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	28,929.21	958.18
40 05 19 00-3721 EA 48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	27,679.54	934.95
40 05 19 00-3722 EA 48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	30,095.69	1,031.74
40 05 19 00-3723 EA 48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	30,966.93	1,084.00
40 05 19 00-3724 EA 48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	38,325.74	1,147.88
40 05 19 00-3725 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows (40 05 19 00-2059)		
40 05 19 00-3726 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	651.20	127.76
40 05 19 00-3727 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,006.46	163.38
40 05 19 00-3728 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,466.91	185.05
40 05 19 00-3729 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,036.89	234.61

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3730	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,816.92	260.16
40 05 19 00-3731	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,292.01	282.62
40 05 19 00-3732	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,190.00	348.43
40 05 19 00-3733	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,124.90	418.11
40 05 19 00-3734	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,827.69	526.51
40 05 19 00-3735	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	9,875.77	596.21
40 05 19 00-3736	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	16,987.93	789.78
40 05 19 00-3737	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	25,578.29	894.30
40 05 19 00-3738	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	39,238.79	1,022.05
40 05 19 00-3739			Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base <small>(40 05 19 00-2059)</small>		
40 05 19 00-3740	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	680.19	127.76
40 05 19 00-3741	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	949.51	163.38
40 05 19 00-3742	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	1,505.22	185.05
40 05 19 00-3743	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	2,007.90	234.61
40 05 19 00-3744	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	2,658.51	260.16
40 05 19 00-3745	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	3,139.81	282.62
40 05 19 00-3746	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	3,828.66	348.43
40 05 19 00-3747	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	4,735.61	418.11
40 05 19 00-3748	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	6,112.25	526.51
40 05 19 00-3749	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	8,513.24	596.21
40 05 19 00-3750	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	13,650.97	789.78
40 05 19 00-3751	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	19,323.68	894.30
40 05 19 00-3752	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	33,758.63	1,022.05
40 05 19 00-3753	EA		48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	37,931.05	1,254.34
40 05 19 00-3754			Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees <small>(40 05 19 00-2059)</small>		
40 05 19 00-3755	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	858.59	205.19
40 05 19 00-3756	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,105.13	252.41
40 05 19 00-3757	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,557.64	281.84
40 05 19 00-3758	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	2,187.67	366.24
40 05 19 00-3759	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	2,883.14	399.54
40 05 19 00-3760	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	3,814.13	429.73
40 05 19 00-3761	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,159.22	542.00
40 05 19 00-3762	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	5,140.02	619.43
40 05 19 00-3763	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	6,647.30	782.03
40 05 19 00-3764	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	9,393.20	863.33
40 05 19 00-3765	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	15,331.58	1,192.40
40 05 19 00-3766	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	21,525.04	1,366.62
40 05 19 00-3767	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	45,384.51	1,579.55
40 05 19 00-3768			Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees <small>(40 05 19 00-2059)</small>		
40 05 19 00-3769	EA		6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,122.73	229.19
40 05 19 00-3770	EA		8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,425.90	233.84
40 05 19 00-3771	EA		8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,418.70	263.26
40 05 19 00-3772	EA		10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,874.48	258.61
40 05 19 00-3773	EA		10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,843.47	288.04
40 05 19 00-3774	EA		10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,924.43	306.62
40 05 19 00-3775	EA		12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,365.50	271.78
40 05 19 00-3776	EA		12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,352.10	301.20
40 05 19 00-3777	EA		12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,456.88	319.78
40 05 19 00-3778	EA		12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,838.15	379.40
40 05 19 00-3779	EA		14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,337.56	282.62
40 05 19 00-3780	EA		14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,274.47	312.04
40 05 19 00-3781	EA		14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,393.74	330.62
40 05 19 00-3782	EA		14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,544.13	390.24
40 05 19 00-3783	EA		14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,726.37	410.76
40 05 19 00-3784	EA		16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,015.90	315.52
40 05 19 00-3785	EA		16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,415.44	344.95
40 05 19 00-3786	EA		16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,498.47	363.53
40 05 19 00-3787	EA		16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,216.23	423.15
40 05 19 00-3788	EA		16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,804.18	443.66
40 05 19 00-3789	EA		16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,513.17	462.63
40 05 19 00-3790	EA		18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,811.98	379.79
40 05 19 00-3791	EA		18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,466.52	398.37
40 05 19 00-3792	EA		18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,464.71	457.99
40 05 19 00-3793	EA		18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,240.06	478.51
40 05 19 00-3794	EA		18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,185.10	497.48
40 05 19 00-3795	EA		18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,486.54	576.84
40 05 19 00-3796	EA		20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,389.16	433.99
40 05 19 00-3797	EA		20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,481.50	452.57
40 05 19 00-3798	EA		20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,670.20	512.19
40 05 19 00-3799	EA		20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,863.83	532.71
40 05 19 00-3800	EA		20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,924.67	551.68
40 05 19 00-3801	EA		20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,986.07	631.05
40 05 19 00-3802	EA		20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,114.78	673.64
40 05 19 00-3803	EA		24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,212.25	468.83
40 05 19 00-3804	EA		24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,453.69	487.42

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-3805	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,663.09	547.03
40 05 19 00-3806	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,367.17	567.55
40 05 19 00-3807	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,525.33	586.52
40 05 19 00-3808	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,731.51	665.89
40 05 19 00-3809	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,915.41	708.48
40 05 19 00-3810	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,218.88	757.07
40 05 19 00-3811	EA	30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	12,131.03	565.62
40 05 19 00-3812	EA	30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	12,193.36	584.20
40 05 19 00-3813	EA	30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	12,492.82	643.82
40 05 19 00-3814	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	12,523.92	664.34
40 05 19 00-3815	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	12,552.66	683.31
40 05 19 00-3816	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	12,672.90	762.67
40 05 19 00-3817	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	13,082.21	805.26
40 05 19 00-3818	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	13,750.68	913.66
40 05 19 00-3819	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	16,689.02	960.12
40 05 19 00-3820	EA	36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	17,423.71	809.52
40 05 19 00-3821	EA	36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	17,584.74	824.23
40 05 19 00-3822	EA	36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	17,682.85	866.43
40 05 19 00-3823	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	17,812.64	883.08
40 05 19 00-3824	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	17,870.72	898.18
40 05 19 00-3825	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	18,024.11	954.31
40 05 19 00-3826	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	18,119.01	993.03
40 05 19 00-3827	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	18,379.89	1,074.33
40 05 19 00-3828	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	18,756.23	1,114.97
40 05 19 00-3829	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	24,180.25	1,279.51
40 05 19 00-3830	EA	42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,269.32	780.48
40 05 19 00-3831	EA	42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,336.37	799.45
40 05 19 00-3832	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,529.10	878.81
40 05 19 00-3833	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,630.90	921.40
40 05 19 00-3834	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,943.20	1,029.80
40 05 19 00-3835	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,310.73	1,076.26
40 05 19 00-3836	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	34,186.48	1,308.55
40 05 19 00-3837	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	43,526.95	1,430.49
40 05 19 00-3838	EA	48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	35,218.07	906.30
40 05 19 00-3839	EA	48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	35,246.81	925.27
40 05 19 00-3840	EA	48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	35,476.81	1,004.63
40 05 19 00-3841	EA	48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	35,541.34	1,047.22
40 05 19 00-3842	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	35,853.64	1,155.63
40 05 19 00-3843	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	36,184.94	1,202.08
40 05 19 00-3844	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	37,055.59	1,434.37

40 05 19 00-3845 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base

(40 05 19 00-2059)

40 05 19 00-3846	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	918.64	205.19
40 05 19 00-3847	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,280.11	252.41
40 05 19 00-3848	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,853.76	281.84
40 05 19 00-3849	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	2,748.84	366.24
40 05 19 00-3850	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	3,661.73	399.54
40 05 19 00-3851	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	4,117.50	429.73
40 05 19 00-3852	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	5,053.77	542.00
40 05 19 00-3853	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	6,091.52	619.43
40 05 19 00-3854	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	7,992.38	782.03
40 05 19 00-3855	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	11,383.16	863.33
40 05 19 00-3856	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	18,744.12	1,192.40
40 05 19 00-3857	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	26,536.19	1,366.62

40 05 19 00-3858 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wyes

(40 05 19 00-2059)

40 05 19 00-3859	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	768.51	205.19
40 05 19 00-3860	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,097.88	252.41
40 05 19 00-3861	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,581.46	281.84
40 05 19 00-3862	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	2,082.07	366.24
40 05 19 00-3863	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	3,075.72	399.54
40 05 19 00-3864	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	4,068.83	429.73

40 05 19 00-3865 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Crosses

(40 05 19 00-2059)

40 05 19 00-3866	EA	4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	996.61	282.62
40 05 19 00-3867	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,359.58	306.24
40 05 19 00-3868	EA	6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,423.30	341.46
40 05 19 00-3869	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,716.11	311.26
40 05 19 00-3870	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,840.41	352.30
40 05 19 00-3871	EA	8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,889.62	378.62
40 05 19 00-3872	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,220.61	336.04
40 05 19 00-3873	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,403.92	377.08
40 05 19 00-3874	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,594.96	403.41
40 05 19 00-3875	EA	10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,128.42	497.87
40 05 19 00-3876	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,861.18	348.81
40 05 19 00-3877	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,983.40	389.85
40 05 19 00-3878	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,174.46	416.18
40 05 19 00-3879	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,738.97	510.64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3880	EA	12" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	3,535.38	538.90
40 05 19 00-3881	EA	14" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	3,560.55	401.09
40 05 19 00-3882	EA	14" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	3,751.59	427.41
40 05 19 00-3883	EA	14" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	4,103.86	521.87
40 05 19 00-3884	EA	14" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	4,420.02	550.13
40 05 19 00-3885	EA	14" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	4,609.59	576.84
40 05 19 00-3886	EA	16" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	4,228.52	433.99
40 05 19 00-3887	EA	16" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	4,448.55	460.32
40 05 19 00-3888	EA	16" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	4,801.86	554.78
40 05 19 00-3889	EA	16" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	5,147.00	583.04
40 05 19 00-3890	EA	16" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	6,967.27	609.75
40 05 19 00-3891	EA	16" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	5,740.49	735.57
40 05 19 00-3892	EA	18" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	4,450.07	468.83
40 05 19 00-3893	EA	18" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	4,670.10	495.16
40 05 19 00-3894	EA	18" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	4,963.36	589.62
40 05 19 00-3895	EA	18" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	5,308.51	617.88
40 05 19 00-3896	EA	18" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	6,010.58	644.60
40 05 19 00-3897	EA	18" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	6,473.51	770.42
40 05 19 00-3898	EA	18" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	6,728.89	820.75
40 05 19 00-3899	EA	20" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	5,686.62	523.03
40 05 19 00-3900	EA	20" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	5,921.15	549.35
40 05 19 00-3901	EA	20" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	6,193.69	643.82
40 05 19 00-3902	EA	20" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	6,560.59	672.09
40 05 19 00-3903	EA	20" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	6,667.33	698.79
40 05 19 00-3904	EA	20" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	7,960.61	824.62
40 05 19 00-3905	EA	20" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	8,230.49	874.94
40 05 19 00-3906	EA	20" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	8,931.38	1,037.54
40 05 19 00-3907	EA	24" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	7,449.82	557.87
40 05 19 00-3908	EA	24" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	7,621.21	584.20
40 05 19 00-3909	EA	24" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	7,990.03	678.66
40 05 19 00-3910	EA	24" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	8,227.51	706.93
40 05 19 00-3911	EA	24" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	8,365.30	733.63
40 05 19 00-3912	EA	24" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	8,782.69	859.46
40 05 19 00-3913	EA	24" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	11,162.62	909.78
40 05 19 00-3914	EA	24" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	11,738.72	1,012.58
40 05 19 00-3915	EA	24" x 24"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	12,825.34	1,130.46
40 05 19 00-3916	EA	30" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	13,255.88	803.71
40 05 19 00-3917	EA	30" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	13,330.51	830.42
40 05 19 00-3918	EA	30" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	13,763.43	956.24
40 05 19 00-3919	EA	30" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	13,911.13	1,006.58
40 05 19 00-3920	EA	30" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	14,538.50	1,169.18
40 05 19 00-3921	EA	30" x 24"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	18,622.97	1,227.24
40 05 19 00-3922	EA	30" x 30"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	20,951.73	1,595.04
40 05 19 00-3923	EA	36" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	18,508.36	1,022.45
40 05 19 00-3924	EA	36" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	18,542.97	1,045.29
40 05 19 00-3925	EA	36" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	18,909.63	1,147.88
40 05 19 00-3926	EA	36" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	19,048.34	1,194.34
40 05 19 00-3927	EA	36" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	19,566.33	1,329.84
40 05 19 00-3928	EA	36" x 24"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	20,201.50	1,382.10
40 05 19 00-3929	EA	36" x 30"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	26,875.52	1,682.14
40 05 19 00-3930	EA	36" x 36"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	29,338.07	1,838.93
40 05 19 00-3931	EA	42" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	27,339.03	1,072.39
40 05 19 00-3932	EA	42" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	27,453.60	1,122.72
40 05 19 00-3933	EA	42" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	28,054.05	1,285.32
40 05 19 00-3934	EA	42" x 24"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	28,732.20	1,343.39
40 05 19 00-3935	EA	42" x 30"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	36,994.60	1,711.18
40 05 19 00-3936	EA	42" x 42"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	50,135.85	1,902.81
40 05 19 00-3937	EA	48" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	37,207.80	1,411.14
40 05 19 00-3938	EA	48" x 24"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	37,885.94	1,469.21
40 05 19 00-3939	EA	48" x 30"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	39,505.48	1,837.00
40 05 19 00-3940 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers <small>(40 05 19 00-2059)</small>					
40 05 19 00-3941	EA	6" x 4"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	683.37	145.56
40 05 19 00-3942	EA	8" x 4"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	891.33	156.41
40 05 19 00-3943	EA	8" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	951.44	174.21
40 05 19 00-3944	EA	10" x 4"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,175.29	181.18
40 05 19 00-3945	EA	10" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,179.49	198.99
40 05 19 00-3946	EA	10" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,318.09	209.84
40 05 19 00-3947	EA	12" x 4"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,482.02	194.35
40 05 19 00-3948	EA	12" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,512.11	212.15
40 05 19 00-3949	EA	12" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,616.54	222.99
40 05 19 00-3950	EA	12" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,759.69	247.78
40 05 19 00-3951	EA	14" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,815.33	222.99
40 05 19 00-3952	EA	14" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,952.90	233.84
40 05 19 00-3953	EA	14" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,093.97	258.61
40 05 19 00-3954	EA	14" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,043.51	271.78
40 05 19 00-3955	EA	16" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,151.98	255.90
40 05 19 00-3956	EA	16" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,062.80	266.75
40 05 19 00-3957	EA	16" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,229.77	291.52
40 05 19 00-3958	EA	16" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,485.18	304.29
40 05 19 00-3959	EA	16" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,782.78	315.52
40 05 19 00-3960	EA	18" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,600.15	301.59
40 05 19 00-3961	EA	18" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,788.85	326.36

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-3962	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,769.90	339.14
40 05 19 00-3963	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,095.45	350.36
40 05 19 00-3964	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,082.15	383.27
40 05 19 00-3965	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,162.67	355.78
40 05 19 00-3966	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,361.73	380.57
40 05 19 00-3967	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,292.05	393.34
40 05 19 00-3968	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,691.11	404.57
40 05 19 00-3969	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,499.73	437.48
40 05 19 00-3970	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,151.99	472.32
40 05 19 00-3971	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,532.71	415.41
40 05 19 00-3972	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,888.56	428.18
40 05 19 00-3973	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,992.54	439.41
40 05 19 00-3974	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,504.01	472.32
40 05 19 00-3975	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,264.99	507.16
40 05 19 00-3976	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,515.33	501.55
40 05 19 00-3977	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,443.03	569.10
40 05 19 00-3978	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,706.00	603.94
40 05 19 00-3979	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,205.37	658.15
40 05 19 00-3980	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,951.85	692.99
40 05 19 00-3981	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,454.35	621.36
40 05 19 00-3982	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,616.89	656.20
40 05 19 00-3983	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,280.89	710.41
40 05 19 00-3984	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,868.96	745.25
40 05 19 00-3985	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	13,477.53	842.04
40 05 19 00-3986	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,341.17	809.13
40 05 19 00-3987	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,267.61	905.91
40 05 19 00-3988	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	20,458.93	958.18
40 05 19 00-3989	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	21,578.17	934.95
40 05 19 00-3990	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	22,878.20	1,031.74
40 05 19 00-3991	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,366.67	1,084.00
40 05 19 00-3992	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	28,207.16	1,147.88

40 05 19 00-3993**Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers**

(40 05 19 00-2059)

40 05 19 00-3994	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	725.82	145.56
40 05 19 00-3995	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	939.99	156.41
40 05 19 00-3996	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,025.98	174.21
40 05 19 00-3997	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,175.29	181.18
40 05 19 00-3998	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,231.25	198.99
40 05 19 00-3999	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,367.79	209.84
40 05 19 00-4000	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,482.02	194.35
40 05 19 00-4001	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,570.09	212.15
40 05 19 00-4002	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,676.59	222.99
40 05 19 00-4003	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,864.26	247.78
40 05 19 00-4004	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,815.33	222.99
40 05 19 00-4005	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,921.84	233.84
40 05 19 00-4006	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,079.48	258.61
40 05 19 00-4007	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,310.63	271.78
40 05 19 00-4008	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,151.98	255.90
40 05 19 00-4009	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,287.47	266.75
40 05 19 00-4010	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,477.22	291.52
40 05 19 00-4011	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,676.72	304.29
40 05 19 00-4012	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,782.78	315.52
40 05 19 00-4013	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,600.15	301.59
40 05 19 00-4014	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,788.85	326.36
40 05 19 00-4015	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,987.33	339.14
40 05 19 00-4016	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,095.45	350.36
40 05 19 00-4017	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,325.46	383.27
40 05 19 00-4018	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,324.19	355.78
40 05 19 00-4019	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,475.62	380.57
40 05 19 00-4020	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,608.87	393.34
40 05 19 00-4021	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,691.11	404.57
40 05 19 00-4022	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,966.67	437.48
40 05 19 00-4023	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,148.88	472.32
40 05 19 00-4024	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,638.05	390.62
40 05 19 00-4025	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,607.25	415.41
40 05 19 00-4026	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,691.84	428.18
40 05 19 00-4027	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,773.04	439.41
40 05 19 00-4028	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,049.65	472.32
40 05 19 00-4029	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,264.99	507.16
40 05 19 00-4030	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,515.33	501.55
40 05 19 00-4031	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,108.76	536.20
40 05 19 00-4032	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,521.87	569.10
40 05 19 00-4033	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,740.16	603.94
40 05 19 00-4034	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,205.37	658.15
40 05 19 00-4035	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,951.85	692.99
40 05 19 00-4036	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,849.70	621.36
40 05 19 00-4037	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,260.72	656.20
40 05 19 00-4038	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,863.64	710.41
40 05 19 00-4039	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,832.72	745.25
40 05 19 00-4040	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,660.79	842.04
40 05 19 00-4041	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	16,341.17	809.13
40 05 19 00-4042	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,267.61	905.91
40 05 19 00-4043	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	20,458.93	958.18

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

40 05 19 00-4044	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer		22,878.20	1,031.74
40 05 19 00-4045	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer		25,366.67	1,084.00
40 05 19 00-4046	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer		28,207.16	1,147.88

40 05 19 00-4047 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges (40 05 19 00-2059)

40 05 19 00-4048	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....		327.84	50.33
40 05 19 00-4049	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....		497.77	74.33
40 05 19 00-4050	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....		659.70	88.27
40 05 19 00-4051	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....		948.08	102.98
40 05 19 00-4052	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....		1,249.43	120.79
40 05 19 00-4053	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....		1,707.61	135.50
40 05 19 00-4054	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....		2,058.93	154.86
40 05 19 00-4055	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....		2,775.04	216.80
40 05 19 00-4056	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....		3,716.50	271.00
40 05 19 00-4057	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....		5,417.60	329.07
40 05 19 00-4058	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....		7,810.64	383.27
40 05 19 00-4059	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....		14,513.20	421.99
40 05 19 00-4060	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....		20,746.40	464.57
40 05 19 00-4061	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....		27,613.93	522.64

40 05 19 00-4062 Ductile Iron Bolt Packs (40 05 19)

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4063	EA	4" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		34.34	
		Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.			
		For Zinc Plated, Add		9.62	
		For Hot Dip Galvanized, Add		13.74	
40 05 19 00-4064	EA	6" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		53.00	
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.			
		For Zinc Plated, Add		14.84	
		For Hot Dip Galvanized, Add		21.20	
40 05 19 00-4065	EA	8" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		57.55	
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.			
		For Zinc Plated, Add		16.11	
		For Hot Dip Galvanized, Add		23.02	
40 05 19 00-4066	EA	10" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		129.26	
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.			
		For Zinc Plated, Add		36.19	
		For Hot Dip Galvanized, Add		51.70	
40 05 19 00-4067	EA	12" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		130.39	
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.			
		For Zinc Plated, Add		36.51	
		For Hot Dip Galvanized, Add		52.16	
40 05 19 00-4068	EA	14" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		146.09	
		Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.			
		For Zinc Plated, Add		40.91	
		For Hot Dip Galvanized, Add		58.44	
40 05 19 00-4069	EA	16" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		245.59	
		Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.			
		For Zinc Plated, Add		68.77	
		For Hot Dip Galvanized, Add		98.24	
40 05 19 00-4070	EA	18" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		356.78	
		Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.			
		For Zinc Plated, Add		99.90	
		For Hot Dip Galvanized, Add		142.71	
40 05 19 00-4071	EA	20" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		450.48	
		Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.			
		For Zinc Plated, Add		126.13	
		For Hot Dip Galvanized, Add		180.19	
40 05 19 00-4072	EA	24" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		644.56	
		Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.			
		For Zinc Plated, Add		180.48	
		For Hot Dip Galvanized, Add		257.82	
40 05 19 00-4073	EA	30" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		1,018.50	
		Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.			
		For Zinc Plated, Add		285.18	
		For Hot Dip Galvanized, Add		407.40	
40 05 19 00-4074	EA	36" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		1,452.91	
		Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.			
		For Zinc Plated, Add		406.81	
		For Hot Dip Galvanized, Add		581.16	
40 05 19 00-4075	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		1,869.12	
		Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.			
		For Zinc Plated, Add		523.35	
		For Hot Dip Galvanized, Add		747.65	
40 05 19 00-4076	EA	48" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		2,284.49	
		Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.			
		For Zinc Plated, Add		639.66	
		For Hot Dip Galvanized, Add		913.80	

40 05 19 00-4077 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 (40 05 19)

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4078	EA	4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....		6.15	
40 05 19 00-4080	EA	6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....		7.82	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-4081	EA	8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	10.62
40 05 19 00-4082	EA	10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	12.29
40 05 19 00-4083	EA	12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	13.41
40 05 19 00-4084	EA	14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	22.35
40 05 19 00-4085	EA	16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	27.38
40 05 19 00-4086	EA	18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	29.06
40 05 19 00-4087	EA	20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	44.70
40 05 19 00-4088	EA	24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	48.05
40 05 19 00-4089	EA	30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	62.02
40 05 19 00-4090	EA	36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	70.96
40 05 19 00-4091	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	75.99
40 05 19 00-4092	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	83.25

40 05 19 00-4093 Full Face Flange Nitrile Buna-N (NBR) Gaskets (40 05 19 00-4077)

Note: (Acrylonitrile Butadiene)

40 05 19 00-4094	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	19.00
40 05 19 00-4095	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	26.82
40 05 19 00-4096	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	41.35
40 05 19 00-4097	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	45.26
40 05 19 00-4098	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	48.61
40 05 19 00-4099	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	91.64
40 05 19 00-4100	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	112.87
40 05 19 00-4101	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	113.43
40 05 19 00-4102	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	117.90
40 05 19 00-4103	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	124.60
40 05 19 00-4104	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	138.01
40 05 19 00-4105	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	151.98
40 05 19 00-4106	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	216.24
40 05 19 00-4107	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	236.35

40 05 19 00-4108 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets (40 05 19 00-4077)

19 00-4077)

40 05 19 00-4109	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	16.76
40 05 19 00-4110	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	21.79
40 05 19 00-4111	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	29.61
40 05 19 00-4112	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	34.64
40 05 19 00-4113	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	38.55
40 05 19 00-4114	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	63.70
40 05 19 00-4115	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	76.55
40 05 19 00-4116	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	77.11
40 05 19 00-4117	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	78.78
40 05 19 00-4118	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	91.64
40 05 19 00-4119	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	112.31
40 05 19 00-4120	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	127.95
40 05 19 00-4121	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	183.27
40 05 19 00-4122	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	202.27

40 05 19 00-4123 Full Face Flange Neoprene Gaskets (40 05 19 00-4077)

Note: (Polychloroprene)

40 05 19 00-4124	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick.....	19.56
40 05 19 00-4125	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick.....	27.38
40 05 19 00-4126	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick.....	41.91
40 05 19 00-4127	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick.....	45.26
40 05 19 00-4128	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick.....	48.61
40 05 19 00-4129	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick.....	64.82
40 05 19 00-4130	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick.....	113.98
40 05 19 00-4131	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick.....	114.54
40 05 19 00-4132	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick.....	121.25
40 05 19 00-4133	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick.....	122.92
40 05 19 00-4134	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick.....	133.54
40 05 19 00-4135	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick.....	150.30
40 05 19 00-4136	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick.....	217.91
40 05 19 00-4137	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick.....	238.59

40 05 19 00-4138 Full Face Flange FKM Gaskets (40 05 19 00-4077)

Note: (Fluoroelastomer Fluorel Viton®)

40 05 19 00-4139	EA	4" Full Face Flange FKM Gasket, 1/8" Thick.....	45.00
40 05 19 00-4140	EA	6" Full Face Flange FKM Gasket, 1/8" Thick.....	67.00
40 05 19 00-4141	EA	8" Full Face Flange FKM Gasket, 1/8" Thick.....	89.50
40 05 19 00-4142	EA	10" Full Face Flange FKM Gasket, 1/8" Thick.....	108.00
40 05 19 00-4143	EA	12" Full Face Flange FKM Gasket, 1/8" Thick.....	140.50
40 05 19 00-4144	EA	14" Full Face Flange FKM Gasket, 1/8" Thick.....	257.00
40 05 19 00-4145	EA	16" Full Face Flange FKM Gasket, 1/8" Thick.....	294.50
40 05 19 00-4146	EA	18" Full Face Flange FKM Gasket, 1/8" Thick.....	308.50
40 05 19 00-4147	EA	20" Full Face Flange FKM Gasket, 1/8" Thick.....	329.00
40 05 19 00-4148	EA	24" Full Face Flange FKM Gasket, 1/8" Thick.....	455.00
40 05 19 00-4149	EA	30" Full Face Flange FKM Gasket, 1/8" Thick.....	545.50
40 05 19 00-4150	EA	36" Full Face Flange FKM Gasket, 1/8" Thick.....	575.50
40 05 19 00-4151	EA	42" Full Face Flange FKM Gasket, 1/8" Thick.....	717.50
40 05 19 00-4152	EA	48" Full Face Flange FKM Gasket, 1/8" Thick.....	752.00

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

40 05 19 00-4153	Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) (40 05 19)		
40 05 19 00-4154	EA 4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	290.04	78.19
40 05 19 00-4155	EA 6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	392.36	95.44
40 05 19 00-4156	EA 8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	562.74	116.41
40 05 19 00-4157	EA 10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	760.08	142.01
40 05 19 00-4158	EA 12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	959.93	173.16
40 05 19 00-4159	EA 14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,493.79	211.27
40 05 19 00-4160	EA 16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,295.17	257.84
40 05 19 00-4161	EA 18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,405.13	314.48
40 05 19 00-4162	EA 20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,945.14	383.75
40 05 19 00-4163	EA 24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,311.23	468.08
40 05 19 00-4164	EA 30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,243.94	571.17
40 05 19 00-4165	EA 36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	6,198.71	696.72
40 05 19 00-4166	EA 42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	15,457.72	850.08
40 05 19 00-4167	EA 48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	19,709.07	1,037.04

40 05 23 Stainless Steel Process Pipe and Tubing (40 05)

40 05 23 43 Stainless Steel Process Pipe (40 05 23)

40 05 23 43-0001 Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly (40 05 23 43)

Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.			
40 05 23 43-0002	LF 1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	31.77	10.09
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Type 316, Add</i>		2.99	
<i>For Work In Restricted Working Space, Add</i>		6.08	
40 05 23 43-0003	LF 3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	36.14	11.57
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Type 316, Add</i>		3.13	
<i>For Work In Restricted Working Space, Add</i>		7.23	
40 05 23 43-0004	LF 1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	42.06	13.05
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Type 316, Add</i>		3.67	
<i>For Work In Restricted Working Space, Add</i>		8.39	
40 05 23 43-0005	LF 1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	47.90	15.75
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Type 316, Add</i>		4.63	
<i>For Work In Restricted Working Space, Add</i>		9.03	
40 05 23 43-0006	LF 1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	52.66	16.20
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Type 316, Add</i>		5.31	
<i>For Work In Restricted Working Space, Add</i>		9.68	
40 05 23 43-0007	LF 2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	63.74	21.41
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Type 316, Add</i>		6.47	
<i>For Work In Restricted Working Space, Add</i>		11.66	
40 05 23 43-0008	LF 2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	90.93	26.40
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Type 316, Add</i>		11.13	
<i>For Work In Restricted Working Space, Add</i>		14.44	
40 05 23 43-0009	LF 3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	114.61	30.59
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Type 316, Add</i>		14.49	
<i>For Work In Restricted Working Space, Add</i>		17.66	
40 05 23 43-0010	LF 4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	154.98	30.59
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Work In Restricted Working Space, Add</i>		22.42	

40 05 23 43-0011 Stainless Steel Tubing And Fittings (40 05 23 43)

40 05 23 43-0012 Type 304 Tubing (40 05 23 43-0011)

40 05 23 43-0013 0.035" Wall (40 05 23 43-0012)

40 05 23 43-0014	LF 1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	8.49	3.53
<i>For Work In Restricted Working Space, Add</i>		2.10	
40 05 23 43-0015	LF 3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	9.96	4.18
<i>For Work In Restricted Working Space, Add</i>		2.52	
40 05 23 43-0016	LF 1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	11.80	4.96
<i>For Work In Restricted Working Space, Add</i>		2.95	
40 05 23 43-0017	LF 5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	17.25	5.61
<i>For Work In Restricted Working Space, Add</i>		3.37	
40 05 23 43-0018	LF 3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	20.18	6.27
<i>For Work In Restricted Working Space, Add</i>		3.79	
40 05 23 43-0019	LF 7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	22.36	7.05
<i>For Work In Restricted Working Space, Add</i>		4.22	
40 05 23 43-0020	LF 1", 0.035" Wall, Type 304, Stainless Steel Tubing	25.47	8.50
<i>For Work In Restricted Working Space, Add</i>		5.06	

40 05 23 43-0021 0.049" Wall (40 05 23 43-0021)

40 05 23 43-0022	LF 1/4", 0.049" Wall, Type 304, Stainless Steel Tubing	12.79	4.18
<i>For Work In Restricted Working Space, Add</i>		2.52	
40 05 23 43-0023	LF 3/8", 0.049" Wall, Type 304, Stainless Steel Tubing	14.44	4.96
<i>For Work In Restricted Working Space, Add</i>		2.95	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0024	LF	1/2"	0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	17.12 3.37	5.61
40 05 23 43-0025	LF	5/8"	0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	21.60 4.22	7.05
40 05 23 43-0026	LF	3/4"	0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	25.04 5.06	8.50
40 05 23 43-0027	LF	7/8"	0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	28.42 5.90	9.80
40 05 23 43-0028	LF	1"	0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	32.66 6.70	11.11
40 05 23 43-0029			0.065" Wall <small>(40 05 23 43-0012)</small>		
40 05 23 43-0030	LF	1/4"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	14.93 2.95	4.96
40 05 23 43-0031	LF	3/8"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	17.15 3.37	5.61
40 05 23 43-0032	LF	1/2"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	21.24 4.22	7.05
40 05 23 43-0033	LF	5/8"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	25.10 5.06	8.50
40 05 23 43-0034	LF	3/4"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	29.51 5.90	9.80
40 05 23 43-0035	LF	7/8"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	33.81 6.70	11.11
40 05 23 43-0036	LF	1"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	38.09 7.54	12.55
40 05 23 43-0037			Type 304 Tube Fittings <small>(40 05 23 43-0011)</small>		
40 05 23 43-0038			90 Degree Elbows <small>(40 05 23 43-0037)</small>		
40 05 23 43-0039	EA	1/4"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	46.74 8.43	14.11
40 05 23 43-0040	EA	3/8"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	54.26 9.23	15.42
40 05 23 43-0041	EA	1/2"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	76.99 10.45	17.38
40 05 23 43-0042	EA	5/8"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	82.97 11.70	19.47
40 05 23 43-0043	EA	3/4"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	92.21 12.65	21.03
40 05 23 43-0044	EA	7/8"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	121.45 14.00	23.39
40 05 23 43-0045	EA	1"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	153.08 16.68	27.83
40 05 23 43-0046			Union Tees <small>(40 05 23 43-0037)</small>		
40 05 23 43-0047	EA	1/4"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	73.17 12.65	21.03
40 05 23 43-0048	EA	3/8"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	86.90 14.00	23.39
40 05 23 43-0049	EA	1/2"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	113.98 15.68	26.14
40 05 23 43-0050	EA	5/8"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	123.93 17.82	29.66
40 05 23 43-0051	EA	3/4"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	153.31 19.12	31.88
40 05 23 43-0052	EA	7/8"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	230.93 21.19	35.28
40 05 23 43-0053	EA	1"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	276.61 25.29	42.21
40 05 23 43-0054			Unions <small>(40 05 23 43-0037)</small>		
40 05 23 43-0055	EA	1/4"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	70.70 12.65	21.03
40 05 23 43-0056	EA	3/8"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	88.28 14.00	23.39
40 05 23 43-0057	EA	1/2"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	114.89 15.68	26.14
40 05 23 43-0058	EA	5/8"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	138.26 17.82	29.66
40 05 23 43-0059	EA	3/4"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	162.03 19.12	31.88
40 05 23 43-0060	EA	7/8"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	237.88 21.19	35.28
40 05 23 43-0061	EA	1"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	256.90 25.29	42.21
40 05 23 43-0062			Male Connectors <small>(40 05 23 43-0037)</small>		
40 05 23 43-0063	EA	1/4" x 1/4"	Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	37.91 8.43	14.11
40 05 23 43-0064	EA	3/8" x 3/8"	Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	45.57 9.23	15.42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0065	EA		1/2" x 1/2", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	57.02 10.45	17.38
40 05 23 43-0066	EA		5/8" x 5/8" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	64.14 11.70	19.47
40 05 23 43-0067	EA		3/4" x 3/4", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	75.48 12.65	21.03
40 05 23 43-0068	EA		7/8" x 7/8", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	106.77 14.00	23.39
40 05 23 43-0069	EA		1" x 1", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	114.59 16.68	27.83
40 05 23 43-0070			Type 304 Valves (40 05 23 43-0011)		
40 05 23 43-0071			Gate Valves (40 05 23 43-0070)		
40 05 23 43-0072	EA		1/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	172.66 11.42	21.03
40 05 23 43-0073	EA		3/8" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	282.78 12.02	24.70
40 05 23 43-0074	EA		1/2" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	298.34 16.68	27.83
40 05 23 43-0075	EA		3/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	331.42 19.12	31.88
40 05 23 43-0076	EA		1" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	312.98 25.29	42.21
40 05 23 43-0077			Globe Valves (40 05 23 43-0070)		
40 05 23 43-0078	EA		1/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	174.87 11.42	21.03
40 05 23 43-0079	EA		3/8" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	120.58 12.02	24.70
40 05 23 43-0080	EA		1/2" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	211.10 16.68	27.83
40 05 23 43-0081	EA		3/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	235.61 19.12	31.88
40 05 23 43-0082	EA		1" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	340.75 25.29	42.21
40 05 23 43-0083			Check Valves (40 05 23 43-0070)		
40 05 23 43-0084	EA		1/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	239.68 11.42	21.03
40 05 23 43-0085	EA		3/8" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	241.68 12.02	24.70
40 05 23 43-0086	EA		1/2" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	168.32 16.68	27.83
40 05 23 43-0087	EA		3/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	178.08 19.12	31.88
40 05 23 43-0088	EA		1" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	201.91 25.29	42.21
40 05 23 43-0089			Plug Valves (40 05 23 43-0070)		
40 05 23 43-0090	EA		1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	369.62 16.68	27.83
40 05 23 43-0091	EA		3/4" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	405.66 19.12	31.88
40 05 23 43-0092	EA		1" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	463.44 25.29	42.21
40 05 23 43-0093	EA		1-1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	636.30 28.61	47.69
40 05 23 43-0094	EA		2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	830.78 39.20	65.34
40 05 23 43-0095			Type 316 Tubing (40 05 23 43-0011)		
40 05 23 43-0096			0.035" Wall (40 05 23 43-0095)		
40 05 23 43-0097	LF		1/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	8.72 2.10	3.53
40 05 23 43-0098	LF		3/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	11.06 2.52	4.18
40 05 23 43-0099	LF		1/2" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	12.47 2.95	4.96
40 05 23 43-0100	LF		5/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	19.04 3.37	5.61
40 05 23 43-0101	LF		3/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	21.56 3.79	6.27
40 05 23 43-0102	LF		7/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	26.61 4.22	7.05
40 05 23 43-0103	LF		1" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	28.76 5.06	8.50
40 05 23 43-0104			0.049" Wall (40 05 23 43-0095)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0105	LF		1/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	13.75 2.52	4.18
40 05 23 43-0106	LF		3/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	15.44 2.95	4.96
40 05 23 43-0107	LF		1/2" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	18.06 3.37	5.61
40 05 23 43-0108	LF		5/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	23.33 4.22	7.05
40 05 23 43-0109	LF		3/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	27.19 5.06	8.50
40 05 23 43-0110	LF		7/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	33.96 5.90	9.80
40 05 23 43-0111	LF		1" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	35.56 6.70	11.11
40 05 23 43-0112			0.065" Wall <small>(40 05 23 43-0095)</small>		
40 05 23 43-0113	LF		1/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	16.07 2.95	4.96
40 05 23 43-0114	LF		3/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	18.02 3.37	5.61
40 05 23 43-0115	LF		1/2" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	22.60 4.22	7.05
40 05 23 43-0116	LF		5/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	26.98 5.06	8.50
40 05 23 43-0117	LF		3/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	32.39 5.90	9.80
40 05 23 43-0118	LF		7/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	35.95 6.70	11.11
40 05 23 43-0119	LF		1" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	41.53 7.54	12.55
40 05 23 43-0120			Type 316 Tube Fittings <small>(40 05 23 43-0011)</small>		
40 05 23 43-0121			90 Degree Elbows <small>(40 05 23 43-0120)</small>		
40 05 23 43-0122	EA		1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	60.20 8.43	14.11
40 05 23 43-0123	EA		3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	71.23 9.23	15.42
40 05 23 43-0124	EA		1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	107.42 10.45	17.38
40 05 23 43-0125	EA		5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	114.72 11.70	19.47
40 05 23 43-0126	EA		3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	128.35 12.65	21.03
40 05 23 43-0127	EA		7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	175.43 14.00	23.39
40 05 23 43-0128	EA		1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	223.46 16.68	27.83
40 05 23 43-0129			Union Tees <small>(40 05 23 43-0120)</small>		
40 05 23 43-0130	EA		1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	95.55 12.65	21.03
40 05 23 43-0131	EA		3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	115.94 14.00	23.39
40 05 23 43-0132	EA		1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	158.53 15.68	26.14
40 05 23 43-0133	EA		5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	170.53 17.82	29.66
40 05 23 43-0134	EA		3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	217.98 19.12	31.88
40 05 23 43-0135	EA		7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	346.65 21.19	35.28
40 05 23 43-0136	EA		1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	415.46 25.29	42.21
40 05 23 43-0137			Unions <small>(40 05 23 43-0120)</small>		
40 05 23 43-0138	EA		1/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	67.28 12.65	21.03
40 05 23 43-0139	EA		3/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	83.31 14.00	23.39
40 05 23 43-0140	EA		1/2" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	107.40 15.68	26.14
40 05 23 43-0141	EA		5/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	128.83 17.82	29.66
40 05 23 43-0142	EA		3/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	150.28 19.12	31.88
40 05 23 43-0143	EA		7/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	217.89 21.19	35.28
40 05 23 43-0144	EA		1" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	236.27 25.29	42.21
40 05 23 43-0145			Male Connectors <small>(40 05 23 43-0120)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0146	EA		1/4" x 1/4" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	44.85 8.43	14.11
40 05 23 43-0147	EA		3/8" x 3/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	56.05 9.23	15.42
40 05 23 43-0148	EA		1/2" x 1/2" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	72.70 10.45	17.38
40 05 23 43-0149	EA		5/8" x 5/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	81.92 11.70	19.47
40 05 23 43-0150	EA		3/4" x 3/4" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	99.04 12.65	21.03
40 05 23 43-0151	EA		7/8" x 7/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	149.26 14.00	23.39
40 05 23 43-0152	EA		1" x 1" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	156.28 16.68	27.83
40 05 23 43-0153			Type 316 Valves (40 05 23 43-0011)		
40 05 23 43-0154			Gate Valves (40 05 23 43-0153)		
40 05 23 43-0155	EA		1/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	216.12 11.42	21.03
40 05 23 43-0156	EA		3/8" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	361.15 12.02	24.70
40 05 23 43-0157	EA		1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	376.71 16.68	27.83
40 05 23 43-0158	EA		3/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	417.85 19.12	31.88
40 05 23 43-0159	EA		1" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	386.81 25.29	42.21
40 05 23 43-0160	EA		1-1/4" Gate Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	522.33 26.27	43.77
40 05 23 43-0161	EA		1-1/2" Gate Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	824.65 28.61	47.69
40 05 23 43-0162	EA		2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	986.35 39.20	65.34
40 05 23 43-0163	EA		2-1/2" Gate Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,536.51 125.49	209.21
40 05 23 43-0164			Globe Valves (40 05 23 43-0153)		
40 05 23 43-0165	EA		1/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	219.04 11.42	21.03
40 05 23 43-0166	EA		3/8" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	146.58 12.02	24.70
40 05 23 43-0167	EA		1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	261.30 16.68	27.83
40 05 23 43-0168	EA		3/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	291.10 19.12	31.88
40 05 23 43-0169	EA		1" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	423.55 25.29	42.21
40 05 23 43-0170	EA		1-1/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	523.08 26.07	43.51
40 05 23 43-0171	EA		1-1/2" Globe Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	853.82 28.61	47.69
40 05 23 43-0172	EA		2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,015.52 39.20	65.34
40 05 23 43-0173	EA		2-1/2" Globe Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,351.76 125.49	209.21
40 05 23 43-0174			Check Valves (40 05 23 43-0153)		
40 05 23 43-0175	EA		1/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	304.78 11.42	21.03
40 05 23 43-0176	EA		3/8" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	306.78 12.02	24.70
40 05 23 43-0177	EA		1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	204.71 16.68	27.83
40 05 23 43-0178	EA		3/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	215.00 19.12	31.88
40 05 23 43-0179	EA		1" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	239.88 25.29	42.21
40 05 23 43-0180	EA		1-1/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	322.67 26.27	43.77
40 05 23 43-0181	EA		1-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	688.52 28.61	47.69
40 05 23 43-0182	EA		2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	840.50 39.20	65.34
40 05 23 43-0183	EA		2-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,714.78 125.49	209.21
40 05 23 43-0184			Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined (40 05 23 43-0153)		
40 05 23 43-0185	EA		1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	332.04 16.68	27.83
40 05 23 43-0186	EA		3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	387.49 19.12	31.88

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0187	EA		1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	495.15 25.29	42.21
40 05 23 43-0188	EA		1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	776.97 28.61	47.69
40 05 23 43-0189	EA		2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	1,084.90 39.20	65.34
40 05 23 43-0190			Diaphragm Valves, Teflon Lined <small>(40 05 23 43-0153)</small>		
40 05 23 43-0191	EA		1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	434.27 16.68	27.83
40 05 23 43-0192	EA		3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	499.20 19.12	31.88
40 05 23 43-0193	EA		1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	606.86 25.29	42.21
40 05 23 43-0194	EA		1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	934.11 28.61	47.69
40 05 23 43-0195	EA		2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	1,272.34 39.20	65.34
40 05 23 43-0196			Strainers <small>(40 05 23 43-0153)</small>		
40 05 23 43-0197	EA		1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	435.26 16.68	27.83
40 05 23 43-0198	EA		3/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	520.12 19.21	32.01
40 05 23 43-0199	EA		1" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	680.89 25.49	42.47
40 05 23 43-0200	EA		1-1/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	839.98 26.27	43.77
40 05 23 43-0201	EA		1-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,049.86 28.62	47.69
40 05 23 43-0202	EA		2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,511.93 39.20	65.34
40 05 23 43-0203	EA		2-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,076.04 52.14	86.90
40 05 23 43-0204	EA		3" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,025.81 78.40	130.67
40 05 23 43-0205	EA		4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,898.69 125.44	209.08
40 05 23 43-0206			Plug Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0207	EA		1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	462.70 16.68	27.83
40 05 23 43-0208	EA		3/4" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	507.02 19.12	31.88
40 05 23 43-0209	EA		1" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	575.82 25.29	42.21
40 05 23 43-0210	EA		1-1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	796.64 28.61	47.69
40 05 23 43-0211	EA		2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,038.31 39.20	65.34
40 05 23 43-0212			Cut And Prepare Existing Pipe In-Place <small>(40 05 23 43-0011)</small>		
			Note: For use when connecting pipe to an existing in-place system.		
40 05 23 43-0213	EA		Cut And Prepare 1/2" Stainless Steel Pipe.....	24.62	
40 05 23 43-0214	EA		Cut And Prepare 3/4" Stainless Steel Pipe.....	26.59	
40 05 23 43-0215	EA		Cut And Prepare 1" Stainless Steel Pipe.....	29.91	
40 05 23 43-0216	EA		Cut And Prepare 1-1/4" Stainless Steel Pipe.....	31.39	
40 05 23 43-0217	EA		Cut And Prepare 1-1/2" Stainless Steel Pipe.....	33.24	
40 05 23 43-0218	EA		Cut And Prepare 2" Stainless Steel Pipe.....	35.70	
40 05 23 43-0219	EA		Cut And Prepare 2-1/2" Stainless Steel Pipe.....	38.16	
40 05 23 43-0220	EA		Cut And Prepare 3" Stainless Steel Pipe.....	41.86	
40 05 23 43-0221	EA		Cut And Prepare 4" Stainless Steel Pipe.....	45.54	
40 05 23 43-0222	EA		Cut And Prepare 6" Stainless Steel Pipe.....	49.24	
40 05 23 43-0223	EA		Cut And Prepare 8" Stainless Steel Pipe.....	52.94	
40 05 23 43-0224	EA		Cut And Prepare 10" Stainless Steel Pipe.....	57.86	
40 05 23 43-0225	EA		Cut And Prepare 12" Stainless Steel Pipe.....	62.78	
40 05 23 43-0226	EA		Cut And Prepare 14" Stainless Steel Pipe.....	67.70	
40 05 23 43-0227	EA		Cut And Prepare 16" Stainless Steel Pipe.....	72.62	
40 05 23 43-0228	EA		Cut And Prepare 18" Stainless Steel Pipe.....	76.32	
40 05 23 43-0229	EA		Cut And Prepare 20" Stainless Steel Pipe.....	80.02	
40 05 23 43-0230	EA		Cut And Prepare 24" Stainless Steel Pipe.....	84.94	
40 05 23 43-0231			Stainless Steel Pipe And Fittings <small>(40 05 23 43)</small>		
40 05 23 43-0232			Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings		
			<small>(40 05 23 43-0231)</small>		
40 05 23 43-0233			Type 304, Schedule 40 Stainless Steel Threaded Pipe <small>(40 05 23 43-0232)</small>		
40 05 23 43-0234	LF		1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	16.88 3.37	5.61
40 05 23 43-0235	LF		3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	20.85 4.22	7.05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0236	LF		1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	25.50 5.06	8.50
40 05 23 43-0237	LF		1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	30.44 5.90	9.80
40 05 23 43-0238	LF		1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	35.11 6.70	11.11
40 05 23 43-0239	LF		2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	44.70 8.43	14.11
40 05 23 43-0240	LF		2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	59.14 10.05	16.72
40 05 23 43-0241	LF		3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	74.36 12.65	21.03
40 05 23 43-0242	LF		4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	100.18 16.68	27.83
40 05 23 43-0243			150#, Type 304 Stainless Steel Threaded 90 Degree Elbows <small>(40 05 23 43-0232)</small>		
40 05 23 43-0244	EA		1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	43.82 12.65	21.03
40 05 23 43-0245	EA		3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	57.99 16.68	27.83
40 05 23 43-0246	EA		1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	74.09 21.19	35.28
40 05 23 43-0247	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	102.71 29.04	48.34
40 05 23 43-0248	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	121.50 34.09	56.84
40 05 23 43-0249	EA		2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	147.55 41.27	68.74
40 05 23 43-0250	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	240.56 65.34	108.85
40 05 23 43-0251	EA		3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	310.03 84.31	140.47
40 05 23 43-0252	EA		4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	405.07 104.54	174.18
40 05 23 43-0253			150#, Type 304 Stainless Steel Threaded 45 Degree Elbows <small>(40 05 23 43-0232)</small>		
40 05 23 43-0254	EA		1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	44.21 12.65	21.03
40 05 23 43-0255	EA		3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	58.61 16.68	27.83
40 05 23 43-0256	EA		1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	74.29 21.19	35.28
40 05 23 43-0257	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	102.63 29.04	48.34
40 05 23 43-0258	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	120.58 34.09	56.84
40 05 23 43-0259	EA		2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	147.34 41.27	68.74
40 05 23 43-0260	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	244.71 65.34	108.85
40 05 23 43-0261	EA		3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	318.12 84.31	140.47
40 05 23 43-0262	EA		4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	414.50 104.54	174.18
40 05 23 43-0263			150#, Type 304 Stainless Steel Threaded Tees <small>(40 05 23 43-0232)</small>		
40 05 23 43-0264	EA		1/2", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	66.00 19.12	31.88
40 05 23 43-0265	EA		3/4", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	87.88 25.29	42.21
40 05 23 43-0266	EA		1", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	109.09 31.36	52.27
40 05 23 43-0267	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	154.27 43.56	72.65
40 05 23 43-0268	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	174.62 49.00	81.67
40 05 23 43-0269	EA		2", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	232.28 65.34	108.85
40 05 23 43-0270	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	345.94 94.46	157.46
40 05 23 43-0271	EA		3", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	466.29 126.46	210.78
40 05 23 43-0272	EA		4", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	603.54 156.81	261.34
40 05 23 43-0273			150#, Type 304 Stainless Steel Threaded Reducers <small>(40 05 23 43-0232)</small>		
40 05 23 43-0274	EA		3/4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	57.70 16.68	27.83
40 05 23 43-0275	EA		1", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	73.49 21.19	35.28
40 05 23 43-0276	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	100.97 29.04	48.34

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0277	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	119.63 34.09	56.84
40 05 23 43-0278	EA		2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	147.59 41.27	68.74
40 05 23 43-0279	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	239.34 65.34	108.85
40 05 23 43-0280	EA		3", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	311.70 84.31	140.47
40 05 23 43-0281	EA		4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	399.28 104.54	174.18
40 05 23 43-0282			150#, Type 304 Stainless Steel Threaded Caps (40 05 23 43-0232)		
40 05 23 43-0283	EA		1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	22.18 6.32	10.59
40 05 23 43-0284	EA		3/4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	29.49 8.43	14.11
40 05 23 43-0285	EA		1", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	36.92 10.45	17.38
40 05 23 43-0286	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	53.07 14.79	24.70
40 05 23 43-0287	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	60.55 16.68	27.83
40 05 23 43-0288	EA		2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	76.92 21.19	35.28
40 05 23 43-0289	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	115.88 31.36	52.27
40 05 23 43-0290	EA		3", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	153.24 41.27	68.74
40 05 23 43-0291	EA		4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	200.79 52.27	87.16
40 05 23 43-0292			150#, Type 304 Stainless Steel Threaded Unions (40 05 23 43-0232)		
40 05 23 43-0293	EA		1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	68.41 19.12	31.88
40 05 23 43-0294	EA		3/4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	90.22 25.29	42.21
40 05 23 43-0295	EA		1", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	113.46 31.36	52.27
40 05 23 43-0296	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	160.70 43.56	72.65
40 05 23 43-0297	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	180.86 49.00	81.67
40 05 23 43-0298	EA		2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	238.77 65.34	108.85
40 05 23 43-0299	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	383.50 98.00	163.34
40 05 23 43-0300	EA		3", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	493.11 126.47	210.78
40 05 23 43-0301	EA		4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	464.65 104.55	174.25
40 05 23 43-0302			150#, Type 304 Stainless Steel Threaded Couplings (40 05 23 43-0232)		
40 05 23 43-0303	EA		1/2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	43.66 12.65	21.03
40 05 23 43-0304	EA		3/4", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	57.77 16.68	27.83
40 05 23 43-0305	EA		1", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	73.92 21.19	35.28
40 05 23 43-0306	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	102.02 29.04	48.34
40 05 23 43-0307	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	119.84 34.09	56.84
40 05 23 43-0308	EA		2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	146.31 41.27	68.74
40 05 23 43-0309	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	237.02 65.34	108.85
40 05 23 43-0310	EA		3", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	305.88 84.31	140.47
40 05 23 43-0311	EA		4", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	387.10 104.54	174.18
40 05 23 43-0312			Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings (40 05 23 43-0231)		
40 05 23 43-0313			Type 316, Schedule 40 Stainless Steel Threaded Pipe (40 05 23 43-0312)		
40 05 23 43-0314	LF		1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	19.87 3.37	5.61
40 05 23 43-0315	LF		3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	23.80 4.22	7.05
40 05 23 43-0316	LF		1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	29.74 5.06	8.50
40 05 23 43-0317	LF		1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	35.99 5.90	9.80

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0318	LF		1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	41.67 6.70	11.11
40 05 23 43-0319	LF		2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	53.50 8.43	14.11
40 05 23 43-0320	LF		2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	71.43 10.05	16.72
40 05 23 43-0321	LF		3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	92.68 12.65	21.03
40 05 23 43-0322	LF		4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	124.03 16.68	27.83
40 05 23 43-0323			150#, Type 316 Stainless Steel Threaded 90 Degree Elbows <small>(40 05 23 43-0312)</small>		
40 05 23 43-0324	EA		1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	44.32 12.65	21.03
40 05 23 43-0325	EA		3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	58.73 16.68	27.83
40 05 23 43-0326	EA		1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	74.55 21.19	35.28
40 05 23 43-0327	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	103.53 29.04	48.34
40 05 23 43-0328	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	122.60 34.09	56.84
40 05 23 43-0329	EA		2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	148.90 41.27	68.74
40 05 23 43-0330	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	242.73 65.34	108.85
40 05 23 43-0331	EA		3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	315.33 84.31	140.47
40 05 23 43-0332	EA		4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	411.51 104.54	174.18
40 05 23 43-0333			150#, Type 316 Stainless Steel Threaded 45 Degree Elbows <small>(40 05 23 43-0312)</small>		
40 05 23 43-0334	EA		1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	44.73 12.65	21.03
40 05 23 43-0335	EA		3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	58.99 16.68	27.83
40 05 23 43-0336	EA		1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	74.85 21.19	35.28
40 05 23 43-0337	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	103.44 29.04	48.34
40 05 23 43-0338	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	121.53 34.09	56.84
40 05 23 43-0339	EA		2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	148.61 41.27	68.74
40 05 23 43-0340	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	246.75 65.34	108.85
40 05 23 43-0341	EA		3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	322.81 84.31	140.47
40 05 23 43-0342	EA		4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	427.15 104.54	174.18
40 05 23 43-0343			150#, Type 316 Stainless Steel Threaded Tees <small>(40 05 23 43-0312)</small>		
40 05 23 43-0344	EA		1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	66.53 19.12	31.88
40 05 23 43-0345	EA		3/4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	88.43 25.29	42.21
40 05 23 43-0346	EA		1", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	109.70 31.36	52.27
40 05 23 43-0347	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	155.51 43.56	72.65
40 05 23 43-0348	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	175.85 49.00	81.67
40 05 23 43-0349	EA		2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	233.89 65.34	108.85
40 05 23 43-0350	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	352.51 94.46	157.46
40 05 23 43-0351	EA		3", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	475.25 126.46	210.78
40 05 23 43-0352	EA		4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	610.23 156.81	261.34
40 05 23 43-0353			150#, Type 316 Stainless Steel Threaded Reducers <small>(40 05 23 43-0312)</small>		
40 05 23 43-0354	EA		3/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	58.16 16.68	27.83
40 05 23 43-0355	EA		1", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	74.84 21.19	35.28
40 05 23 43-0356	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	101.23 29.04	48.34
40 05 23 43-0357	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	120.97 34.09	56.84
40 05 23 43-0358	EA		2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	149.93 41.27	68.74

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 23 43-0359	EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	244.65 65.34	108.85
40 05 23 43-0360	EA 3", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	317.57 84.31	140.47
40 05 23 43-0361	EA 4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	409.06 104.54	174.18
40 05 23 43-0362 150#, Type 316 Stainless Steel Threaded Caps (40 05 23 43-0312)			
40 05 23 43-0363	EA 1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	22.48 6.32	10.59
40 05 23 43-0364	EA 3/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	29.71 8.43	14.11
40 05 23 43-0365	EA 1", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	37.31 10.45	17.38
40 05 23 43-0366	EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	54.17 14.79	24.70
40 05 23 43-0367	EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	61.85 16.68	27.83
40 05 23 43-0368	EA 2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	78.62 21.19	35.28
40 05 23 43-0369	EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	118.69 31.36	52.27
40 05 23 43-0370	EA 3", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	156.09 41.27	68.74
40 05 23 43-0371	EA 4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	206.44 52.27	87.16
40 05 23 43-0372 150#, Type 316 Stainless Steel Threaded Unions (40 05 23 43-0312)			
40 05 23 43-0373	EA 1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	69.05 19.12	31.88
40 05 23 43-0374	EA 3/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	92.64 25.29	42.21
40 05 23 43-0375	EA 1", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	114.69 31.36	52.27
40 05 23 43-0376	EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	162.78 43.56	72.65
40 05 23 43-0377	EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	183.29 49.00	81.67
40 05 23 43-0378	EA 2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	241.59 65.34	108.85
40 05 23 43-0379	EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	387.82 98.00	163.34
40 05 23 43-0380	EA 3", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	506.56 126.47	210.78
40 05 23 43-0381	EA 4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	493.33 104.55	174.25
40 05 23 43-0382 150#, Type 316 Stainless Steel Threaded Couplings (40 05 23 43-0312)			
40 05 23 43-0383	EA 1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	44.68 12.65	21.03
40 05 23 43-0384	EA 3/4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	58.24 16.68	27.83
40 05 23 43-0385	EA 1", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	74.37 21.19	35.28
40 05 23 43-0386	EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	102.74 29.04	48.34
40 05 23 43-0387	EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	120.69 34.09	56.84
40 05 23 43-0388	EA 2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	147.50 41.27	68.74
40 05 23 43-0389	EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	241.16 65.34	108.85
40 05 23 43-0390	EA 3", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	311.21 84.31	140.47
40 05 23 43-0391	EA 4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	395.09 104.54	174.18
40 05 23 43-0392	Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 43-0231)		
40 05 23 43-0393	Type 304, Schedule 10 Stainless Steel Pipe (40 05 23 43-0392)		
40 05 23 43-0394	LF 1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	18.24 3.28	5.46
40 05 23 43-0395	LF 3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	21.81 4.00	6.67
40 05 23 43-0396	LF 1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	28.26 4.69	7.88
40 05 23 43-0397	LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	34.66 5.87	9.83
40 05 23 43-0398	LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	38.65 6.62	11.03
40 05 23 43-0399	LF 2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	47.81 8.19	13.71

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

40 05 23 43-0400	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	56.70 9.36	15.64
40 05 23 43-0401	LF	3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	66.38 10.54	17.59
40 05 23 43-0402	LF	4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	82.59 12.48	20.86
40 05 23 43-0403	LF	6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	118.61 16.39	27.40
40 05 23 43-0404	LF	8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	199.17 30.36	47.24
40 05 23 43-0405	LF	10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	249.28 33.39	51.94
40 05 23 43-0406	LF	12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	295.64 37.10	57.76
40 05 23 43-0407	LF	14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	360.01 41.74	64.94
40 05 23 43-0408	LF	16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	398.05 47.70	74.21
40 05 23 43-0409	LF	18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	448.08 55.66	86.58
40 05 23 43-0410	LF	20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	612.15 66.79	103.89
40 05 23 43-0411	LF	24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	794.91 83.48	129.86

40 05 23 43-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow (40 05 23 43-0392)

40 05 23 43-0413	EA	1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	141.22 41.47	62.20
40 05 23 43-0414	EA	3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	149.72 44.02	66.02
40 05 23 43-0415	EA	1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	164.78 48.38	72.56
40 05 23 43-0416	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	179.71 52.72	79.08
40 05 23 43-0417	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	198.48 58.22	87.33
40 05 23 43-0418	EA	2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	221.37 64.77	97.17
40 05 23 43-0419	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	285.68 82.91	124.35
40 05 23 43-0420	EA	3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	334.97 97.16	145.75
40 05 23 43-0421	EA	4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	405.79 116.30	174.45
40 05 23 43-0422	EA	6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	532.84 145.28	217.92
40 05 23 43-0423	EA	8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	884.23 238.53	357.79
40 05 23 43-0424	EA	10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,251.33 318.03	477.04
40 05 23 43-0425	EA	12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,884.78 477.05	715.57
40 05 23 43-0426	EA	14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,216.79 556.55	834.84
40 05 23 43-0427	EA	16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,574.12 634.86	952.28
40 05 23 43-0428	EA	18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,241.84 795.08	1,192.63
40 05 23 43-0429	EA	20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,526.99 1,113.11	1,669.67
40 05 23 43-0430	EA	24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	6,486.47 1,590.16	2,385.23

40 05 23 43-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow (40 05 23 43-0392)

40 05 23 43-0432	EA	1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	142.10 41.47	62.20
40 05 23 43-0433	EA	3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	150.60 44.02	66.02
40 05 23 43-0434	EA	1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	165.84 48.38	72.56
40 05 23 43-0435	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	181.12 52.72	79.08
40 05 23 43-0436	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	198.66 58.22	87.33
40 05 23 43-0437	EA	2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	221.37 64.77	97.17
40 05 23 43-0438	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	284.80 82.91	124.35
40 05 23 43-0439	EA	3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	333.38 97.16	145.75
40 05 23 43-0440	EA	4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	402.80 116.30	174.45
40 05 23 43-0441	EA	6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	517.17 145.28	217.92

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 23 43-0442	EA 8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	854.02	357.79
	<i>For Work In Restricted Working Space, Add</i>	238.53	
40 05 23 43-0443	EA 10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,197.54	477.04
	<i>For Work In Restricted Working Space, Add</i>	318.03	
40 05 23 43-0444	EA 12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,799.62	715.57
	<i>For Work In Restricted Working Space, Add</i>	477.05	
40 05 23 43-0445	EA 14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,112.26	834.84
	<i>For Work In Restricted Working Space, Add</i>	556.55	
40 05 23 43-0446	EA 16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,445.12	952.28
	<i>For Work In Restricted Working Space, Add</i>	634.86	
40 05 23 43-0447	EA 18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	3,072.43	1,192.63
	<i>For Work In Restricted Working Space, Add</i>	795.08	
40 05 23 43-0448	EA 20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	4,298.39	1,669.67
	<i>For Work In Restricted Working Space, Add</i>	1,113.11	
40 05 23 43-0449	EA 24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	6,162.19	2,385.23
	<i>For Work In Restricted Working Space, Add</i>	1,590.16	

40 05 23 43-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee (40 05 23 43-0392)

40 05 23 43-0451	EA 1/2", Type 304, Schedule 10 Stainless Steel Tee	185.37	79.06
	<i>For Work In Restricted Working Space, Add</i>	52.71	
40 05 23 43-0452	EA 3/4", Type 304, Schedule 10 Stainless Steel Tee	225.35	97.06
	<i>For Work In Restricted Working Space, Add</i>	64.70	
40 05 23 43-0453	EA 1", Type 304, Schedule 10 Stainless Steel Tee	252.00	109.05
	<i>For Work In Restricted Working Space, Add</i>	72.70	
40 05 23 43-0454	EA 1-1/4", Type 304, Schedule 10 Stainless Steel Tee	287.10	124.35
	<i>For Work In Restricted Working Space, Add</i>	82.91	
40 05 23 43-0455	EA 1-1/2", Type 304, Schedule 10 Stainless Steel Tee	306.31	133.49
	<i>For Work In Restricted Working Space, Add</i>	88.99	
40 05 23 43-0456	EA 2", Type 304, Schedule 10 Stainless Steel Tee	333.92	145.58
	<i>For Work In Restricted Working Space, Add</i>	97.06	
40 05 23 43-0457	EA 2-1/2", Type 304, Schedule 10 Stainless Steel Tee	416.96	174.45
	<i>For Work In Restricted Working Space, Add</i>	116.30	
40 05 23 43-0458	EA 3", Type 304, Schedule 10 Stainless Steel Tee	504.83	218.62
	<i>For Work In Restricted Working Space, Add</i>	145.75	
40 05 23 43-0459	EA 4", Type 304, Schedule 10 Stainless Steel Tee	573.74	245.36
	<i>For Work In Restricted Working Space, Add</i>	163.57	
40 05 23 43-0460	EA 6", Type 304, Schedule 10 Stainless Steel Tee	802.84	327.14
	<i>For Work In Restricted Working Space, Add</i>	218.09	
40 05 23 43-0461	EA 8", Type 304, Schedule 10 Stainless Steel Tee	1,238.98	477.04
	<i>For Work In Restricted Working Space, Add</i>	318.03	
40 05 23 43-0462	EA 10", Type 304, Schedule 10 Stainless Steel Tee	1,884.78	715.57
	<i>For Work In Restricted Working Space, Add</i>	477.05	
40 05 23 43-0463	EA 12", Type 304, Schedule 10 Stainless Steel Tee	2,396.93	894.46
	<i>For Work In Restricted Working Space, Add</i>	596.31	
40 05 23 43-0464	EA 14", Type 304, Schedule 10 Stainless Steel Tee	2,922.25	1,074.90
	<i>For Work In Restricted Working Space, Add</i>	716.60	
40 05 23 43-0465	EA 16", Type 304, Schedule 10 Stainless Steel Tee	3,549.35	1,311.26
	<i>For Work In Restricted Working Space, Add</i>	874.17	
40 05 23 43-0466	EA 18", Type 304, Schedule 10 Stainless Steel Tee	4,517.60	1,669.67
	<i>For Work In Restricted Working Space, Add</i>	1,113.11	
40 05 23 43-0467	EA 20", Type 304, Schedule 10 Stainless Steel Tee	6,004.15	2,196.93
	<i>For Work In Restricted Working Space, Add</i>	1,464.62	
40 05 23 43-0468	EA 24", Type 304, Schedule 10 Stainless Steel Tee	9,048.53	3,339.33
	<i>For Work In Restricted Working Space, Add</i>	2,226.22	

40 05 23 43-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 43-0392)

40 05 23 43-0470	EA 3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	164.04	66.05
	<i>For Work In Restricted Working Space, Add</i>	44.04	
40 05 23 43-0471	EA 1", Type 304, Schedule 10 Stainless Steel Reducing Tee	197.12	80.94
	<i>For Work In Restricted Working Space, Add</i>	53.96	
40 05 23 43-0472	EA 1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	233.59	90.95
	<i>For Work In Restricted Working Space, Add</i>	60.63	
40 05 23 43-0473	EA 1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	252.05	103.68
	<i>For Work In Restricted Working Space, Add</i>	69.12	
40 05 23 43-0474	EA 2", Type 304, Schedule 10 Stainless Steel Reducing Tee	267.12	111.40
	<i>For Work In Restricted Working Space, Add</i>	74.27	
40 05 23 43-0475	EA 2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	322.79	121.41
	<i>For Work In Restricted Working Space, Add</i>	80.94	
40 05 23 43-0476	EA 3", Type 304, Schedule 10 Stainless Steel Reducing Tee	382.89	145.52
	<i>For Work In Restricted Working Space, Add</i>	97.02	
40 05 23 43-0477	EA 4", Type 304, Schedule 10 Stainless Steel Reducing Tee	474.60	181.89
	<i>For Work In Restricted Working Space, Add</i>	121.26	
40 05 23 43-0478	EA 6", Type 304, Schedule 10 Stainless Steel Reducing Tee	591.73	207.83
	<i>For Work In Restricted Working Space, Add</i>	138.55	
40 05 23 43-0479	EA 8", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,006.22	298.15
	<i>For Work In Restricted Working Space, Add</i>	198.77	
40 05 23 43-0480	EA 10", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,561.44	397.54
	<i>For Work In Restricted Working Space, Add</i>	265.03	
40 05 23 43-0481	EA 12", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,260.34	596.31
	<i>For Work In Restricted Working Space, Add</i>	397.54	
40 05 23 43-0482	EA 14", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,735.03	716.40
	<i>For Work In Restricted Working Space, Add</i>	477.59	
40 05 23 43-0483	EA 16", Type 304, Schedule 10 Stainless Steel Reducing Tee	3,373.46	873.87
	<i>For Work In Restricted Working Space, Add</i>	582.58	
40 05 23 43-0484	EA 18", Type 304, Schedule 10 Stainless Steel Reducing Tee	4,340.38	1,113.11
	<i>For Work In Restricted Working Space, Add</i>	742.07	

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

40 05 23 43-0485	EA	20", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	6,050.30 976.42	1,464.62
40 05 23 43-0486	EA	24", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	9,395.25 1,462.83	2,224.25

40 05 23 43-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 43-0392)

40 05 23 43-0488	EA	3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	139.47 40.05	60.08
40 05 23 43-0489	EA	1", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	152.85 43.64	65.46
40 05 23 43-0490	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	169.45 48.38	72.56
40 05 23 43-0491	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	182.25 52.72	79.08
40 05 23 43-0492	EA	2", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	199.89 58.22	87.33
40 05 23 43-0493	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	259.77 72.76	109.13
40 05 23 43-0494	EA	3", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	294.58 82.83	124.25
40 05 23 43-0495	EA	4", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	344.69 97.06	145.58
40 05 23 43-0496	EA	6", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	442.16 123.57	185.35
40 05 23 43-0497	EA	8", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	684.69 190.82	286.23
40 05 23 43-0498	EA	10", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	864.47 238.53	357.79
40 05 23 43-0499	EA	12", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,158.38 318.03	477.04
40 05 23 43-0500	EA	14", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,595.78 417.42	626.12
40 05 23 43-0501	EA	16", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,846.81 475.69	713.53
40 05 23 43-0502	EA	18", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,290.11 596.31	894.46
40 05 23 43-0503	EA	20", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,149.87 795.08	1,192.63
40 05 23 43-0504	EA	24", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,613.40 1,192.62	1,788.93
40 05 23 43-0505	EA	3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	156.02 40.05	60.08
40 05 23 43-0506	EA	1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	165.00 43.64	65.46
40 05 23 43-0507	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	177.77 48.38	72.56
40 05 23 43-0508	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	197.39 52.72	79.08
40 05 23 43-0509	EA	2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	210.80 58.22	87.33
40 05 23 43-0510	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	271.74 72.76	109.13
40 05 23 43-0511	EA	3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	306.37 82.83	124.25
40 05 23 43-0512	EA	4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	353.81 97.06	145.58
40 05 23 43-0513	EA	6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	475.07 123.57	185.35
40 05 23 43-0514	EA	8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	755.24 190.82	286.23
40 05 23 43-0515	EA	10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,002.09 238.53	357.79
40 05 23 43-0516	EA	12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,285.54 318.03	477.04
40 05 23 43-0517	EA	14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,889.13 417.42	626.12
40 05 23 43-0518	EA	16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,182.94 475.69	713.53
40 05 23 43-0519	EA	18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,700.34 596.31	894.46
40 05 23 43-0520	EA	20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,807.25 795.08	1,192.63
40 05 23 43-0521	EA	24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,484.63 1,192.62	1,788.93

40 05 23 43-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 43-0392)

40 05 23 43-0523	EA	1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	74.57 20.73	31.10
40 05 23 43-0524	EA	3/4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	80.75 22.01	33.01
40 05 23 43-0525	EA	1", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	88.72 24.19	36.28
40 05 23 43-0526	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	97.29 26.36	39.54
40 05 23 43-0527	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	105.67 29.12	43.66

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 23 Stainless Steel Process Pipe and Tubing

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0528	EA	2"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	115.53 32.39	48.58
40 05 23 43-0529	EA	2-1/2"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	149.09 41.45	62.18
40 05 23 43-0530	EA	3"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	171.28 48.59	72.88
40 05 23 43-0531	EA	4"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	205.81 58.15	87.22
40 05 23 43-0532	EA	6"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	262.06 72.76	109.13
40 05 23 43-0533	EA	8"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	432.71 119.26	178.89
40 05 23 43-0534	EA	10"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	576.51 159.02	238.53
40 05 23 43-0535	EA	12"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	855.63 238.53	357.78
40 05 23 43-0536	EA	14"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,001.80 278.28	417.42
40 05 23 43-0537	EA	16"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,153.80 317.43	476.14
40 05 23 43-0538	EA	18"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,452.26 397.54	596.31
40 05 23 43-0539	EA	20"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	2,016.81 556.55	834.84
40 05 23 43-0540	EA	24"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	2,935.07 795.08	1,192.62
40 05 23 43-0541	Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 43-0231)				
40 05 23 43-0542	Type 304, Schedule 40 Stainless Steel Pipe (40 05 23 43-0541)				
40 05 23 43-0543	LF	1/2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	20.04 3.28	5.46
40 05 23 43-0544	LF	3/4"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	24.36 4.00	6.67
40 05 23 43-0545	LF	1"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	29.64 4.69	7.88
40 05 23 43-0546	LF	1-1/4"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	37.06 5.87	9.71
40 05 23 43-0547	LF	1-1/2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	42.55 6.62	10.91
40 05 23 43-0548	LF	2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	54.23 8.19	13.94
40 05 23 43-0549	LF	2-1/2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	66.50 9.36	15.76
40 05 23 43-0550	LF	3"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	66.21 10.54	17.59
40 05 23 43-0551	LF	4"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	104.43 12.48	20.62
40 05 23 43-0552	LF	6"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	159.60 16.39	27.28
40 05 23 43-0553	LF	8"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	281.15 30.36	47.00
40 05 23 43-0554	LF	10"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	351.25 33.39	51.94
40 05 23 43-0555	LF	12"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	433.61 37.10	57.51
40 05 23 43-0556	Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 43-0541)				
40 05 23 43-0557	EA	1/2"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	141.93 41.47	62.20
40 05 23 43-0558	EA	3/4"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	150.43 44.02	66.02
40 05 23 43-0559	EA	1"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	165.31 48.38	72.56
40 05 23 43-0560	EA	1-1/4"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	180.09 52.72	79.08
40 05 23 43-0561	EA	1-1/2"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	198.83 58.22	87.33
40 05 23 43-0562	EA	2"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	222.60 64.77	97.17
40 05 23 43-0563	EA	2-1/2"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	290.25 82.91	124.35
40 05 23 43-0564	EA	3"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	341.66 97.16	145.75
40 05 23 43-0565	EA	4"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	417.05 116.30	174.45
40 05 23 43-0566	EA	6"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	604.82 145.28	217.92
40 05 23 43-0567	EA	8"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	982.32 238.53	357.79
40 05 23 43-0568	EA	10"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,450.35 318.03	477.04
40 05 23 43-0569	EA	12"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,142.91 477.05	715.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0570	EA		14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,529.93 556.55	834.84
40 05 23 43-0571	EA		16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,976.40 634.86	952.28
40 05 23 43-0572	EA		18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,800.79 795.08	1,192.63
40 05 23 43-0573	EA		20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,216.89 1,113.11	1,669.67
40 05 23 43-0574	EA		24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	7,470.73 1,590.16	2,385.23
40 05 23 43-0575			Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 43-0571)		
40 05 23 43-0576	EA		1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	143.16 41.47	62.20
40 05 23 43-0577	EA		3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	151.66 44.02	66.02
40 05 23 43-0578	EA		1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	166.19 48.38	72.56
40 05 23 43-0579	EA		1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	180.99 52.72	79.08
40 05 23 43-0580	EA		1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	199.71 58.22	87.33
40 05 23 43-0581	EA		2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	222.79 64.77	97.17
40 05 23 43-0582	EA		2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	290.25 82.91	124.35
40 05 23 43-0583	EA		3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	336.73 97.16	145.75
40 05 23 43-0584	EA		4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	419.69 116.30	174.45
40 05 23 43-0585	EA		6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	544.80 145.28	217.92
40 05 23 43-0586	EA		8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	919.40 238.53	357.79
40 05 23 43-0587	EA		10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,293.16 318.03	477.04
40 05 23 43-0588	EA		12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,911.02 477.05	715.57
40 05 23 43-0589	EA		14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,190.82 556.55	834.84
40 05 23 43-0590	EA		16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,572.65 634.86	952.28
40 05 23 43-0591	EA		18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,237.51 795.08	1,192.63
40 05 23 43-0592	EA		20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,456.83 1,113.11	1,669.67
40 05 23 43-0593	EA		24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,431.20 1,590.16	2,385.23
40 05 23 43-0594			Type 304, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 43-0541)		
40 05 23 43-0595	EA		1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	186.07 52.71	79.06
40 05 23 43-0596	EA		3/4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	226.05 64.70	97.06
40 05 23 43-0597	EA		1", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	252.70 72.70	109.05
40 05 23 43-0598	EA		1-1/4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	288.89 82.91	124.35
40 05 23 43-0599	EA		1-1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	307.01 88.99	133.49
40 05 23 43-0600	EA		2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	334.80 97.06	145.58
40 05 23 43-0601	EA		2-1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	419.34 116.30	174.45
40 05 23 43-0602	EA		3", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	508.52 145.75	218.62
40 05 23 43-0603	EA		4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	577.79 163.57	245.36
40 05 23 43-0604	EA		6", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	830.82 218.09	327.14
40 05 23 43-0605	EA		8", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,322.04 318.03	477.04
40 05 23 43-0606	EA		10", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,139.69 477.05	715.57
40 05 23 43-0607	EA		12", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,665.71 596.31	894.46
40 05 23 43-0608	EA		14", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,463.84 716.60	1,074.90
40 05 23 43-0609	EA		16", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,340.04 874.17	1,311.26
40 05 23 43-0610	EA		18", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,591.15 1,113.11	1,669.67
40 05 23 43-0611	EA		20", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	7,263.41 1,464.62	2,196.93
40 05 23 43-0612	EA		24", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	11,093.72 2,226.22	3,339.33

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 23 43-0613	Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 43-0541)		
40 05 23 43-0614	EA 3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	166.33 44.04	66.05
40 05 23 43-0615	EA 1", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	199.41 53.96	80.94
40 05 23 43-0616	EA 1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	244.60 60.63	90.95
40 05 23 43-0617	EA 1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	255.39 69.12	103.68
40 05 23 43-0618	EA 2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	267.12 74.27	111.40
40 05 23 43-0619	EA 2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	311.54 80.94	121.41
40 05 23 43-0620	EA 3", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	358.07 97.02	145.52
40 05 23 43-0621	EA 4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	461.58 121.26	181.89
40 05 23 43-0622	EA 6", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	593.84 138.55	207.83
40 05 23 43-0623	EA 8", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	931.52 198.77	298.15
40 05 23 43-0624	EA 10", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,584.81 265.03	397.54
40 05 23 43-0625	EA 12", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,307.10 397.54	596.31
40 05 23 43-0626	EA 14", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,669.42 477.59	716.40
40 05 23 43-0627	EA 16", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,291.29 582.58	873.87
40 05 23 43-0628	EA 18", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,233.23 742.07	1,113.11
40 05 23 43-0629	EA 20", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,889.83 976.42	1,464.62
40 05 23 43-0630	EA 24", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	9,139.69 1,482.83	2,224.25
40 05 23 43-0631	Type 304, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 43-0541)		
40 05 23 43-0632	EA 3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	141.23 40.05	60.08
40 05 23 43-0633	EA 1", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	154.61 43.64	65.46
40 05 23 43-0634	EA 1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	169.58 48.38	72.56
40 05 23 43-0635	EA 1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	184.01 52.72	79.08
40 05 23 43-0636	EA 2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	200.94 58.22	87.33
40 05 23 43-0637	EA 2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	259.77 72.76	109.13
40 05 23 43-0638	EA 3", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	288.24 82.83	124.25
40 05 23 43-0639	EA 4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	335.68 97.06	145.58
40 05 23 43-0640	EA 6", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	443.57 123.57	185.35
40 05 23 43-0641	EA 8", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	714.58 190.82	286.23
40 05 23 43-0642	EA 10", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	915.79 238.53	357.79
40 05 23 43-0643	EA 12", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,204.19 318.03	477.04
40 05 23 43-0644	EA 14", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,698.58 417.42	626.12
40 05 23 43-0645	EA 16", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,976.04 475.69	713.53
40 05 23 43-0646	EA 18", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,551.80 596.31	894.46
40 05 23 43-0647	EA 20", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,458.55 795.08	1,192.63
40 05 23 43-0648	EA 24", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,933.07 1,192.62	1,788.93
40 05 23 43-0649	EA 3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	156.73 40.05	60.08
40 05 23 43-0650	EA 1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	168.69 43.64	65.46
40 05 23 43-0651	EA 1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	190.44 48.38	72.56
40 05 23 43-0652	EA 1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	203.90 52.72	79.08
40 05 23 43-0653	EA 2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	220.83 58.22	87.33
40 05 23 43-0654	EA 2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	271.74 72.76	109.13
40 05 23 43-0655	EA 3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	328.20 82.83	124.25

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0656	EA		4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	368.60 97.06	145.58
40 05 23 43-0657	EA		6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	489.68 123.57	185.35
40 05 23 43-0658	EA		8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	756.77 190.82	286.23
40 05 23 43-0659	EA		10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,000.76 238.53	357.79
40 05 23 43-0660	EA		12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,354.73 318.03	477.04
40 05 23 43-0661	EA		14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,067.58 417.42	626.12
40 05 23 43-0662	EA		16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,348.46 475.69	713.53
40 05 23 43-0663	EA		18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,033.60 596.31	894.46
40 05 23 43-0664	EA		20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,971.72 795.08	1,192.63
40 05 23 43-0665	EA		24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	6,213.62 1,192.62	1,788.93
40 05 23 43-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 43-0541)					
40 05 23 43-0667	EA		1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	75.09 20.73	31.10
40 05 23 43-0668	EA		3/4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	80.22 22.01	33.01
40 05 23 43-0669	EA		1", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	89.24 24.19	36.28
40 05 23 43-0670	EA		1-1/4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	99.65 26.36	39.54
40 05 23 43-0671	EA		1-1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	107.96 29.12	43.66
40 05 23 43-0672	EA		2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	115.35 32.39	48.58
40 05 23 43-0673	EA		2-1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	147.91 41.45	62.18
40 05 23 43-0674	EA		3", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	171.98 48.59	72.88
40 05 23 43-0675	EA		4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	207.92 58.15	87.22
40 05 23 43-0676	EA		6", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	275.08 72.76	109.13
40 05 23 43-0677	EA		8", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	453.62 119.26	178.89
40 05 23 43-0678	EA		10", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	606.08 159.02	238.53
40 05 23 43-0679	EA		12", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	911.99 238.53	357.78
40 05 23 43-0680	EA		14", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,053.42 278.28	417.42
40 05 23 43-0681	EA		16", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,224.81 317.43	476.14
40 05 23 43-0682	EA		18", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,536.42 397.54	596.31
40 05 23 43-0683	EA		20", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,129.04 556.55	834.84
40 05 23 43-0684	EA		24", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,122.72 795.08	1,192.62
40 05 23 43-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 43-0231)					
40 05 23 43-0686 Type 316, Schedule 10 Stainless Steel Pipe (40 05 23 43-0685)					
40 05 23 43-0687	LF		1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	20.53 3.28	5.46
40 05 23 43-0688	LF		3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	24.46 4.00	6.67
40 05 23 43-0689	LF		1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	32.20 4.69	7.88
40 05 23 43-0690	LF		1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	39.37 5.87	9.83
40 05 23 43-0691	LF		1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	43.83 6.62	11.03
40 05 23 43-0692	LF		2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	54.21 8.19	13.71
40 05 23 43-0693	LF		2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	64.67 9.36	15.64
40 05 23 43-0694	LF		3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	76.14 10.54	17.59
40 05 23 43-0695	LF		4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	95.39 12.48	20.86
40 05 23 43-0696	LF		6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	138.60 16.39	27.40
40 05 23 43-0697	LF		8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	229.76 30.36	47.24
40 05 23 43-0698	LF		10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	292.36 33.39	51.94

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0699	LF		12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	349.34 37.10	57.76
40 05 23 43-0700	LF		14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	428.99 41.74	64.94
40 05 23 43-0701	LF		16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	472.70 47.70	74.21
40 05 23 43-0702	LF		18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	530.08 55.66	86.58
40 05 23 43-0703	LF		20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	733.80 66.79	103.89
40 05 23 43-0704	LF		24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	956.24 83.48	129.86
40 05 23 43-0705			Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 43-0685)		
40 05 23 43-0706	EA		1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	142.10 41.47	62.20
40 05 23 43-0707	EA		3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	150.60 44.02	66.02
40 05 23 43-0708	EA		1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	165.84 48.38	72.56
40 05 23 43-0709	EA		1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	181.24 52.72	79.08
40 05 23 43-0710	EA		1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	199.54 58.22	87.33
40 05 23 43-0711	EA		2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	222.60 64.77	97.17
40 05 23 43-0712	EA		2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	287.97 82.91	124.35
40 05 23 43-0713	EA		3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	338.31 97.16	145.75
40 05 23 43-0714	EA		4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	410.89 116.30	174.45
40 05 23 43-0715	EA		6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	546.21 145.28	217.92
40 05 23 43-0716	EA		8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	909.14 238.53	357.79
40 05 23 43-0717	EA		10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,308.92 318.03	477.04
40 05 23 43-0718	EA		12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,963.29 477.05	715.57
40 05 23 43-0719	EA		14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,290.67 556.55	834.84
40 05 23 43-0720	EA		16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,690.97 634.86	952.28
40 05 23 43-0721	EA		18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,381.96 795.08	1,192.63
40 05 23 43-0722	EA		20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,727.15 1,113.11	1,669.67
40 05 23 43-0723	EA		24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	6,783.89 1,590.16	2,385.23
40 05 23 43-0724			Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 43-0685)		
40 05 23 43-0725	EA		1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	143.16 41.47	62.20
40 05 23 43-0726	EA		3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	151.66 44.02	66.02
40 05 23 43-0727	EA		1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	166.89 48.38	72.56
40 05 23 43-0728	EA		1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	182.65 52.72	79.08
40 05 23 43-0729	EA		1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	199.54 58.22	87.33
40 05 23 43-0730	EA		2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	222.60 64.77	97.17
40 05 23 43-0731	EA		2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	286.91 82.91	124.35
40 05 23 43-0732	EA		3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	336.73 97.16	145.75
40 05 23 43-0733	EA		4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	407.20 116.30	174.45
40 05 23 43-0734	EA		6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	524.39 145.28	217.92
40 05 23 43-0735	EA		8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	869.98 238.53	357.79
40 05 23 43-0736	EA		10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,293.16 318.03	477.04
40 05 23 43-0737	EA		12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,911.02 477.05	715.57
40 05 23 43-0738	EA		14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,241.68 556.55	834.84
40 05 23 43-0739	EA		16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,601.17 634.86	952.28
40 05 23 43-0740	EA		18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,276.20 795.08	1,192.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0741	EA		20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,632.13 1,113.11	1,669.67
40 05 23 43-0742	EA		24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,657.33 1,590.16	2,385.23
40 05 23 43-0743			Type 316, Schedule 10 Stainless Steel Butt Weld Tees (40 05 23 43-0685)		
40 05 23 43-0744	EA		1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	187.66 52.71	79.06
40 05 23 43-0745	EA		3/4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	227.64 64.70	97.06
40 05 23 43-0746	EA		1", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	254.29 72.70	109.05
40 05 23 43-0747	EA		1-1/4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	291.33 82.91	124.35
40 05 23 43-0748	EA		1-1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	309.65 88.99	133.49
40 05 23 43-0749	EA		2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	336.92 97.06	145.58
40 05 23 43-0750	EA		2-1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	407.37 116.30	174.45
40 05 23 43-0751	EA		3", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	510.64 145.75	218.62
40 05 23 43-0752	EA		4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	581.66 163.57	245.36
40 05 23 43-0753	EA		6", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	825.54 218.09	327.14
40 05 23 43-0754	EA		8", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,298.66 318.03	477.04
40 05 23 43-0755	EA		10", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,999.40 477.05	715.57
40 05 23 43-0756	EA		12", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,548.80 596.31	894.46
40 05 23 43-0757	EA		14", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,203.85 716.60	1,074.90
40 05 23 43-0758	EA		16", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,822.06 874.17	1,311.26
40 05 23 43-0759	EA		18", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,860.72 1,113.11	1,669.67
40 05 23 43-0760	EA		20", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	6,504.52 1,464.62	2,196.93
40 05 23 43-0761	EA		24", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	9,487.38 2,226.22	3,339.33
40 05 23 43-0762			Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 43-0685)		
40 05 23 43-0763	EA		3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	169.49 44.04	66.05
40 05 23 43-0764	EA		1", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	203.63 53.96	80.94
40 05 23 43-0765	EA		1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	241.52 60.63	90.95
40 05 23 43-0766	EA		1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	257.50 69.12	103.68
40 05 23 43-0767	EA		2", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	274.68 74.27	111.40
40 05 23 43-0768	EA		2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	345.67 80.94	121.41
40 05 23 43-0769	EA		3", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	362.30 97.02	145.52
40 05 23 43-0770	EA		4", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	474.60 121.26	181.89
40 05 23 43-0771	EA		6", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	624.29 138.55	207.83
40 05 23 43-0772	EA		8", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,100.89 198.77	298.15
40 05 23 43-0773	EA		10", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,877.16 265.03	397.54
40 05 23 43-0774	EA		12", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,529.30 397.54	596.31
40 05 23 43-0775	EA		14", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,913.23 477.59	716.40
40 05 23 43-0776	EA		16", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,596.63 582.58	873.87
40 05 23 43-0777	EA		18", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,631.41 742.07	1,113.11
40 05 23 43-0778	EA		20", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	6,486.11 976.42	1,464.62
40 05 23 43-0779	EA		24", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	10,089.37 1,482.83	2,224.25
40 05 23 43-0780			Type 316, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 43-0685)		
40 05 23 43-0781	EA		3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	141.06 40.05	60.08
40 05 23 43-0782	EA		1", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	154.79 43.64	65.46

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 23 43-0783	EA 1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	172.27	72.56
	<i>For Work In Restricted Working Space, Add</i>	48.38	
40 05 23 43-0784	EA 1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	183.48	79.08
	<i>For Work In Restricted Working Space, Add</i>	52.72	
40 05 23 43-0785	EA 2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	200.94	87.33
	<i>For Work In Restricted Working Space, Add</i>	58.22	
40 05 23 43-0786	EA 2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	259.03	109.13
	<i>For Work In Restricted Working Space, Add</i>	72.76	
40 05 23 43-0787	EA 3", Type 316, Schedule 10 Stainless Steel Concentric Reducer	298.80	124.25
	<i>For Work In Restricted Working Space, Add</i>	82.83	
40 05 23 43-0788	EA 4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	336.94	145.58
	<i>For Work In Restricted Working Space, Add</i>	97.06	
40 05 23 43-0789	EA 6", Type 316, Schedule 10 Stainless Steel Concentric Reducer	450.79	185.35
	<i>For Work In Restricted Working Space, Add</i>	123.57	
40 05 23 43-0790	EA 8", Type 316, Schedule 10 Stainless Steel Concentric Reducer	693.71	286.23
	<i>For Work In Restricted Working Space, Add</i>	190.82	
40 05 23 43-0791	EA 10", Type 316, Schedule 10 Stainless Steel Concentric Reducer	885.58	357.79
	<i>For Work In Restricted Working Space, Add</i>	238.53	
40 05 23 43-0792	EA 12", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,183.29	477.04
	<i>For Work In Restricted Working Space, Add</i>	318.03	
40 05 23 43-0793	EA 14", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,630.08	626.12
	<i>For Work In Restricted Working Space, Add</i>	417.42	
40 05 23 43-0794	EA 16", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,879.29	713.53
	<i>For Work In Restricted Working Space, Add</i>	475.69	
40 05 23 43-0795	EA 18", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,337.85	894.46
	<i>For Work In Restricted Working Space, Add</i>	596.31	
40 05 23 43-0796	EA 20", Type 316, Schedule 10 Stainless Steel Concentric Reducer	3,223.64	1,192.63
	<i>For Work In Restricted Working Space, Add</i>	795.08	
40 05 23 43-0797	EA 24", Type 316, Schedule 10 Stainless Steel Concentric Reducer	4,744.19	1,788.93
	<i>For Work In Restricted Working Space, Add</i>	1,192.62	
40 05 23 43-0798	EA 3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	154.74	60.08
	<i>For Work In Restricted Working Space, Add</i>	40.05	
40 05 23 43-0799	EA 1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	171.04	65.46
	<i>For Work In Restricted Working Space, Add</i>	43.64	
40 05 23 43-0800	EA 1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	191.53	72.56
	<i>For Work In Restricted Working Space, Add</i>	48.38	
40 05 23 43-0801	EA 1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	206.01	79.08
	<i>For Work In Restricted Working Space, Add</i>	52.72	
40 05 23 43-0802	EA 2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	214.85	87.33
	<i>For Work In Restricted Working Space, Add</i>	58.22	
40 05 23 43-0803	EA 2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	278.25	109.13
	<i>For Work In Restricted Working Space, Add</i>	72.76	
40 05 23 43-0804	EA 3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	318.52	124.25
	<i>For Work In Restricted Working Space, Add</i>	82.83	
40 05 23 43-0805	EA 4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	363.67	145.58
	<i>For Work In Restricted Working Space, Add</i>	97.06	
40 05 23 43-0806	EA 6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	496.72	185.35
	<i>For Work In Restricted Working Space, Add</i>	123.57	
40 05 23 43-0807	EA 8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	793.26	286.23
	<i>For Work In Restricted Working Space, Add</i>	190.82	
40 05 23 43-0808	EA 10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,057.02	357.79
	<i>For Work In Restricted Working Space, Add</i>	238.53	
40 05 23 43-0809	EA 12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,361.19	477.04
	<i>For Work In Restricted Working Space, Add</i>	318.03	
40 05 23 43-0810	EA 14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,967.45	626.12
	<i>For Work In Restricted Working Space, Add</i>	417.42	
40 05 23 43-0811	EA 16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,287.05	713.53
	<i>For Work In Restricted Working Space, Add</i>	475.69	
40 05 23 43-0812	EA 18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,844.47	894.46
	<i>For Work In Restricted Working Space, Add</i>	596.31	
40 05 23 43-0813	EA 20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	4,033.88	1,192.63
	<i>For Work In Restricted Working Space, Add</i>	795.08	
40 05 23 43-0814	EA 24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	5,706.41	1,788.93
	<i>For Work In Restricted Working Space, Add</i>	1,192.62	

40 05 23 43-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 43-0685)

40 05 23 43-0816	EA 1/2", Type 316, Schedule 10 Stainless Steel Cap	76.85	31.10
	<i>For Work In Restricted Working Space, Add</i>	20.73	
40 05 23 43-0817	EA 3/4", Type 316, Schedule 10 Stainless Steel Cap	83.74	33.01
	<i>For Work In Restricted Working Space, Add</i>	22.01	
40 05 23 43-0818	EA 1", Type 316, Schedule 10 Stainless Steel Cap	91.88	36.28
	<i>For Work In Restricted Working Space, Add</i>	24.19	
40 05 23 43-0819	EA 1-1/4", Type 316, Schedule 10 Stainless Steel Cap	100.35	39.54
	<i>For Work In Restricted Working Space, Add</i>	26.36	
40 05 23 43-0820	EA 1-1/2", Type 316, Schedule 10 Stainless Steel Cap	109.37	43.66
	<i>For Work In Restricted Working Space, Add</i>	29.12	
40 05 23 43-0821	EA 2", Type 316, Schedule 10 Stainless Steel Cap	117.64	48.58
	<i>For Work In Restricted Working Space, Add</i>	32.39	
40 05 23 43-0822	EA 2-1/2", Type 316, Schedule 10 Stainless Steel Cap	148.42	62.18
	<i>For Work In Restricted Working Space, Add</i>	41.45	
40 05 23 43-0823	EA 3", Type 316, Schedule 10 Stainless Steel Cap	174.97	72.88
	<i>For Work In Restricted Working Space, Add</i>	48.59	
40 05 23 43-0824	EA 4", Type 316, Schedule 10 Stainless Steel Cap	209.50	87.22
	<i>For Work In Restricted Working Space, Add</i>	58.15	
40 05 23 43-0825	EA 6", Type 316, Schedule 10 Stainless Steel Cap	268.57	109.13
	<i>For Work In Restricted Working Space, Add</i>	72.76	
40 05 23 43-0826	EA 8", Type 316, Schedule 10 Stainless Steel Cap	444.30	178.89
	<i>For Work In Restricted Working Space, Add</i>	119.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0827	EA		10", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	590.59 159.02	238.53
40 05 23 43-0828	EA		12", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	876.23 238.53	357.78
40 05 23 43-0829	EA		14", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,020.37 278.28	417.42
40 05 23 43-0830	EA		16", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,169.49 317.43	476.14
40 05 23 43-0831	EA		18", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,470.24 397.54	596.31
40 05 23 43-0832	EA		20", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,045.49 556.55	834.84
40 05 23 43-0833	EA		24", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,023.37 795.08	1,192.62
40 05 23 43-0834			Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 43-0231)		
40 05 23 43-0835			Type 316, Schedule 40 Stainless Steel Pipe (40 05 23 43-0834)		
40 05 23 43-0836	LF		1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	23.09 3.28	5.46
40 05 23 43-0837	LF		3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	28.05 4.00	6.67
40 05 23 43-0838	LF		1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	34.32 4.69	7.88
40 05 23 43-0839	LF		1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	42.91 5.87	9.71
40 05 23 43-0840	LF		1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	49.40 6.62	10.91
40 05 23 43-0841	LF		2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	63.23 8.19	13.94
40 05 23 43-0842	LF		2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	78.31 9.36	15.76
40 05 23 43-0843	LF		3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	76.60 10.54	17.59
40 05 23 43-0844	LF		4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	125.45 12.48	20.62
40 05 23 43-0845	LF		6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	194.72 16.39	27.28
40 05 23 43-0846	LF		8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	341.35 30.36	47.00
40 05 23 43-0847	LF		10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	431.52 33.39	51.94
40 05 23 43-0848	LF		12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	537.28 37.10	57.51
40 05 23 43-0849			Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 43-0834)		
40 05 23 43-0850	EA		1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	142.98 41.47	62.20
40 05 23 43-0851	EA		3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	151.48 44.02	66.02
40 05 23 43-0852	EA		1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	166.72 48.38	72.56
40 05 23 43-0853	EA		1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	181.63 52.72	79.08
40 05 23 43-0854	EA		1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	200.42 58.22	87.33
40 05 23 43-0855	EA		2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	224.71 64.77	97.17
40 05 23 43-0856	EA		2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	294.48 82.91	124.35
40 05 23 43-0857	EA		3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	347.46 97.16	145.75
40 05 23 43-0858	EA		4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	430.96 116.30	174.45
40 05 23 43-0859	EA		6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	616.61 145.28	217.92
40 05 23 43-0860	EA		8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,043.90 238.53	357.79
40 05 23 43-0861	EA		10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,603.54 318.03	477.04
40 05 23 43-0862	EA		12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,319.69 477.05	715.57
40 05 23 43-0863	EA		14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,627.06 556.55	834.84
40 05 23 43-0864	EA		16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,130.15 634.86	952.28
40 05 23 43-0865	EA		18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,974.26 795.08	1,192.63
40 05 23 43-0866	EA		20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,423.80 1,113.11	1,669.67
40 05 23 43-0867	EA		24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	7,835.45 1,590.16	2,385.23
40 05 23 43-0868			Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 43-0834)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 23 43-0869	EA 1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	144.74 41.47	62.20
40 05 23 43-0870	EA 3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	153.24 44.02	66.02
40 05 23 43-0871	EA 1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	167.77 48.38	72.56
40 05 23 43-0872	EA 1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	182.14 52.72	79.08
40 05 23 43-0873	EA 1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	201.47 58.22	87.33
40 05 23 43-0874	EA 2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	224.71 64.77	97.17
40 05 23 43-0875	EA 2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	294.48 82.91	124.35
40 05 23 43-0876	EA 3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	340.60 97.16	145.75
40 05 23 43-0877	EA 4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	417.93 116.30	174.45
40 05 23 43-0878	EA 6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	563.11 145.28	217.92
40 05 23 43-0879	EA 8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	949.63 238.53	357.79
40 05 23 43-0880	EA 10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,386.29 318.03	477.04
40 05 23 43-0881	EA 12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,028.86 477.05	715.57
40 05 23 43-0882	EA 14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,326.06 556.55	834.84
40 05 23 43-0883	EA 16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,636.32 634.86	952.28
40 05 23 43-0884	EA 18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,359.48 795.08	1,192.63
40 05 23 43-0885	EA 20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,612.84 1,113.11	1,669.67
40 05 23 43-0886	EA 24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	6,752.45 1,590.16	2,385.23

40 05 23 43-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 43-0834)

40 05 23 43-0888	EA 1/2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	188.71 52.71	79.06
40 05 23 43-0889	EA 3/4", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	228.69 64.70	97.06
40 05 23 43-0890	EA 1", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	255.34 72.70	109.05
40 05 23 43-0891	EA 1-1/4", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	292.86 82.91	124.35
40 05 23 43-0892	EA 1-1/2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	309.65 88.99	133.49
40 05 23 43-0893	EA 2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	337.62 97.06	145.58
40 05 23 43-0894	EA 2-1/2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	413.64 116.30	174.45
40 05 23 43-0895	EA 3", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	513.98 145.75	218.62
40 05 23 43-0896	EA 4", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	587.47 163.57	245.36
40 05 23 43-0897	EA 6", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	866.90 218.09	327.14
40 05 23 43-0898	EA 8", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,404.92 318.03	477.04
40 05 23 43-0899	EA 10", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,279.96 477.05	715.57
40 05 23 43-0900	EA 12", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,817.77 596.31	894.46
40 05 23 43-0901	EA 14", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,836.57 716.60	1,074.90
40 05 23 43-0902	EA 16", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	4,733.83 874.17	1,311.26
40 05 23 43-0903	EA 18", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	6,103.62 1,113.11	1,669.67
40 05 23 43-0904	EA 20", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	7,956.62 1,464.62	2,196.93
40 05 23 43-0905	EA 24", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	11,584.63 2,226.22	3,339.33

40 05 23 43-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 43-0834)

40 05 23 43-0907	EA 3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	172.84 44.04	66.05
40 05 23 43-0908	EA 1", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	205.92 53.96	80.94
40 05 23 43-0909	EA 1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	255.60 60.63	90.95
40 05 23 43-0910	EA 1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	262.96 69.12	103.68
40 05 23 43-0911	EA 2", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	274.68 74.27	111.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0912	EA		2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	346.72 80.94	121.41
40 05 23 43-0913	EA		3", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	369.86 97.02	145.52
40 05 23 43-0914	EA		4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	482.17 121.26	181.89
40 05 23 43-0915	EA		6", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	629.04 138.55	207.83
40 05 23 43-0916	EA		8", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,007.37 198.77	298.15
40 05 23 43-0917	EA		10", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,900.55 265.03	397.54
40 05 23 43-0918	EA		12", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,576.06 397.54	596.31
40 05 23 43-0919	EA		14", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,964.53 477.59	716.40
40 05 23 43-0920	EA		16", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,660.89 582.58	873.87
40 05 23 43-0921	EA		18", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,715.20 742.07	1,113.11
40 05 23 43-0922	EA		20", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	6,611.60 976.42	1,464.62
40 05 23 43-0923	EA		24", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	10,289.23 1,482.83	2,224.25
40 05 23 43-0924			Type 316, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 43-0934)		
40 05 23 43-0925	EA		3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	143.87 40.05	60.08
40 05 23 43-0926	EA		1", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	157.60 43.64	65.46
40 05 23 43-0927	EA		1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	173.55 48.38	72.56
40 05 23 43-0928	EA		1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	186.65 52.72	79.08
40 05 23 43-0929	EA		2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	202.88 58.22	87.33
40 05 23 43-0930	EA		2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	265.22 72.76	109.13
40 05 23 43-0931	EA		3", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	291.94 82.83	124.25
40 05 23 43-0932	EA		4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	339.38 97.06	145.58
40 05 23 43-0933	EA		6", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	452.02 123.57	185.35
40 05 23 43-0934	EA		8", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	730.54 190.82	286.23
40 05 23 43-0935	EA		10", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	954.95 238.53	357.79
40 05 23 43-0936	EA		12", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,233.09 318.03	477.04
40 05 23 43-0937	EA		14", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,724.94 417.42	626.12
40 05 23 43-0938	EA		16", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,980.24 475.69	713.53
40 05 23 43-0939	EA		18", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,590.02 596.31	894.46
40 05 23 43-0940	EA		20", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,493.37 795.08	1,192.63
40 05 23 43-0941	EA		24", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	5,084.79 1,192.62	1,788.93
40 05 23 43-0942	EA		3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	163.76 40.05	60.08
40 05 23 43-0943	EA		1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	175.73 43.64	65.46
40 05 23 43-0944	EA		1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	200.68 48.38	72.56
40 05 23 43-0945	EA		1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	211.47 52.72	79.08
40 05 23 43-0946	EA		2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	229.28 58.22	87.33
40 05 23 43-0947	EA		2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	278.25 72.76	109.13
40 05 23 43-0948	EA		3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	342.80 82.83	124.25
40 05 23 43-0949	EA		4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	383.03 97.06	145.58
40 05 23 43-0950	EA		6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	523.65 123.57	185.35
40 05 23 43-0951	EA		8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	784.14 190.82	286.23
40 05 23 43-0952	EA		10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,072.80 238.53	357.79
40 05 23 43-0953	EA		12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,468.78 318.03	477.04
40 05 23 43-0954	EA		14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,120.93 417.42	626.12
40 05 23 43-0955	EA		16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,436.12 475.69	713.53

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 23 43-0956	EA 18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,213.20 596.31	894.46
40 05 23 43-0957	EA 20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,171.39 795.08	1,192.63
40 05 23 43-0958	EA 24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	6,254.55 1,192.62	1,788.93
40 05 23 43-0959	Type 316, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 43-0934)		
40 05 23 43-0960	EA 1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	77.21 20.73	31.10
40 05 23 43-0961	EA 3/4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	83.57 22.01	33.01
40 05 23 43-0962	EA 1", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	92.24 24.19	36.28
40 05 23 43-0963	EA 1-1/4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	103.61 26.36	39.54
40 05 23 43-0964	EA 1-1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	106.73 29.12	43.66
40 05 23 43-0965	EA 2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	120.10 32.39	48.58
40 05 23 43-0966	EA 2-1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	151.62 41.45	62.18
40 05 23 43-0967	EA 3", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	175.50 48.59	72.88
40 05 23 43-0968	EA 4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	213.38 58.15	87.22
40 05 23 43-0969	EA 6", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	284.76 72.76	109.13
40 05 23 43-0970	EA 8", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	474.72 119.26	178.89
40 05 23 43-0971	EA 10", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	635.35 159.02	238.53
40 05 23 43-0972	EA 12", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	949.43 238.53	357.78
40 05 23 43-0973	EA 14", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,091.31 278.28	417.42
40 05 23 43-0974	EA 16", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,233.04 317.43	476.14
40 05 23 43-0975	EA 18", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,563.29 397.54	596.31
40 05 23 43-0976	EA 20", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,162.63 556.55	834.84
40 05 23 43-0977	EA 24", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,251.48 795.08	1,192.62
40 05 23 43-0978	Valves (40 05 23 43-0231)		
40 05 23 43-0979	Gate Valves, Class 150 (40 05 23 43-0978)		
40 05 23 43-0980	EA 1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	510.07 23.52 -115.47 405.76	62.72
40 05 23 43-0981	EA 3/4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	556.11 27.44 -124.29 436.76	65.34
40 05 23 43-0982	EA 1" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	688.62 36.98 -151.23 531.42	98.01
40 05 23 43-0983	EA 1-1/4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	864.12 42.61 -193.16 678.76	114.34
40 05 23 43-0984	EA 1-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	980.36 53.97 -214.12 752.42	143.93
40 05 23 43-0985	EA 2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,165.06 65.34 -253.39 890.43	174.18
40 05 23 43-0986	EA 2-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,650.84 71.28 1,328.46	189.47
40 05 23 43-0987	EA 3" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,862.53 83.41 1,489.43	222.15
40 05 23 43-0988	EA 4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,493.63 140.00 1,905.33	372.41
40 05 23 43-0989	EA 6" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,113.46 177.04 3,311.93	470.42
40 05 23 43-0990	EA 8" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	8,809.47 224.01 7,579.00	601.09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0991	EA		10" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	12,373.52 274.41 10,771.29	731.76
40 05 23 43-0992	EA		12" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	18,547.67 332.62 16,392.59	888.57
40 05 23 43-0993			Globe Valves, Class 150 <small>(40 05 23 43-0978)</small>		
40 05 23 43-0994	EA		1/2" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	688.19 23.52 -163.12 573.19	62.72
40 05 23 43-0995	EA		3/4" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	763.10 27.44 -179.66 631.33	65.34
40 05 23 43-0996	EA		1" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	953.98 36.98 -222.21 780.86	98.01
40 05 23 43-0997	EA		1-1/2" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,417.13 53.97 -330.96 1,162.99	143.93
40 05 23 43-0998	EA		2" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,728.98 65.34 -404.24 1,420.52	174.18
40 05 23 43-0999	EA		2-1/2" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,419.04 71.28 2,990.56	189.47
40 05 23 43-1000	EA		3" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,547.85 83.41 3,073.63	222.15
40 05 23 43-1001	EA		4" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,266.73 140.00 3,572.05	372.41
40 05 23 43-1002	EA		6" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,792.56 177.04 6,770.28	470.42
40 05 23 43-1003			Check Valves, Class 150 <small>(40 05 23 43-0978)</small>		
40 05 23 43-1004	EA		2-1/2" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,583.02 71.28 1,264.70	189.47
40 05 23 43-1005	EA		3" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,665.41 83.41 1,304.14	222.15
40 05 23 43-1006	EA		4" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,625.86 140.00 2,029.63	372.41
40 05 23 43-1007	EA		6" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,449.09 177.04 3,627.42	470.42
40 05 23 43-1008	EA		8" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,729.57 224.01 6,563.90	601.09
40 05 23 43-1009			Stainless Steel Thread-O-Let Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-1010	EA		1/2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	92.06 25.29	37.94
40 05 23 43-1011	EA		3/4", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	122.09 33.72	50.58
40 05 23 43-1012	EA		1", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	150.93 41.82	62.72
40 05 23 43-1013	EA		1-1/4", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	215.14 59.17	88.75
40 05 23 43-1014	EA		1-1/2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	240.32 66.73	100.09
40 05 23 43-1015	EA		2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	302.92 84.76	127.14
40 05 23 43-1016	EA		2-1/2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	503.95 130.67	196.01
40 05 23 43-1017	EA		3", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	660.28 166.82	250.22
40 05 23 43-1018	EA		4", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	851.10 209.08	313.61
40 05 23 43-1019			Stainless Steel Flanges <small>(40 05 23 43-0231)</small>		
40 05 23 43-1020			150#, Type 304 Stainless Steel Raised Face Threaded Flange <small>(40 05 23 43-1019)</small>		
40 05 23 43-1021	EA		1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	57.75 12.65	21.07
40 05 23 43-1022	EA		3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	73.52 16.86	28.10

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1023	EA	1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	.....	89.10	34.85
		<i>For Work In Restricted Working Space, Add</i>		20.91	
40 05 23 43-1024	EA	1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	.....	123.22	49.32
		<i>For Work In Restricted Working Space, Add</i>		29.59	
40 05 23 43-1025	EA	1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	.....	135.81	55.60
		<i>For Work In Restricted Working Space, Add</i>		33.36	
40 05 23 43-1026	EA	2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	.....	173.50	70.62
		<i>For Work In Restricted Working Space, Add</i>		42.38	
40 05 23 43-1027	EA	2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	.....	262.83	108.85
		<i>For Work In Restricted Working Space, Add</i>		65.34	
40 05 23 43-1028	EA	3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	.....	325.16	222.15
		<i>For Work In Restricted Working Space, Add</i>		83.41	
40 05 23 43-1029	EA	4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	.....	412.91	174.18
		<i>For Work In Restricted Working Space, Add</i>		104.54	
40 05 23 43-1030		300#, Type 304 Stainless Steel Raised Face Threaded Flange	(40 05 23 43-1019)		
40 05 23 43-1031	EA	1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	.....	66.76	21.07
		<i>For Work In Restricted Working Space, Add</i>		12.65	
40 05 23 43-1032	EA	3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	.....	80.80	28.10
		<i>For Work In Restricted Working Space, Add</i>		16.86	
40 05 23 43-1033	EA	1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	.....	94.29	34.85
		<i>For Work In Restricted Working Space, Add</i>		20.91	
40 05 23 43-1034	EA	1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	.....	136.40	49.32
		<i>For Work In Restricted Working Space, Add</i>		29.59	
40 05 23 43-1035	EA	1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	.....	148.99	55.60
		<i>For Work In Restricted Working Space, Add</i>		33.36	
40 05 23 43-1036	EA	2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	.....	187.01	70.62
		<i>For Work In Restricted Working Space, Add</i>		42.38	
40 05 23 43-1037	EA	2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	.....	292.99	108.85
		<i>For Work In Restricted Working Space, Add</i>		65.34	
40 05 23 43-1038	EA	3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	.....	355.99	222.15
		<i>For Work In Restricted Working Space, Add</i>		83.41	
40 05 23 43-1039	EA	4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	.....	460.39	174.18
		<i>For Work In Restricted Working Space, Add</i>		104.54	
40 05 23 43-1040		150#, Type 304 Stainless Steel Raised Face Weld Neck Flange	(40 05 23 43-1019)		
40 05 23 43-1041	EA	1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	84.70	31.09
		<i>For Work In Restricted Working Space, Add</i>		20.73	
40 05 23 43-1042	EA	3/4", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	90.68	33.01
		<i>For Work In Restricted Working Space, Add</i>		22.01	
40 05 23 43-1043	EA	1", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	100.73	36.28
		<i>For Work In Restricted Working Space, Add</i>		24.19	
40 05 23 43-1044	EA	1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	116.72	39.57
		<i>For Work In Restricted Working Space, Add</i>		26.39	
40 05 23 43-1045	EA	1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	125.70	43.61
		<i>For Work In Restricted Working Space, Add</i>		29.08	
40 05 23 43-1046	EA	2", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	139.87	48.59
		<i>For Work In Restricted Working Space, Add</i>		32.40	
40 05 23 43-1047	EA	2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	186.26	62.13
		<i>For Work In Restricted Working Space, Add</i>		41.42	
40 05 23 43-1048	EA	3", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	214.33	72.74
		<i>For Work In Restricted Working Space, Add</i>		48.50	
40 05 23 43-1049	EA	4", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	267.17	87.16
		<i>For Work In Restricted Working Space, Add</i>		58.11	
40 05 23 43-1050	EA	6", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	368.84	108.91
		<i>For Work In Restricted Working Space, Add</i>		72.61	
40 05 23 43-1051	EA	8", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	612.37	178.89
		<i>For Work In Restricted Working Space, Add</i>		119.26	
40 05 23 43-1052	EA	10", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	847.10	238.52
		<i>For Work In Restricted Working Space, Add</i>		159.02	
40 05 23 43-1053	EA	12", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	1,289.88	357.78
		<i>For Work In Restricted Working Space, Add</i>		238.53	
40 05 23 43-1054	EA	14", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	1,570.59	417.42
		<i>For Work In Restricted Working Space, Add</i>		278.28	
40 05 23 43-1055	EA	16", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	1,897.15	476.14
		<i>For Work In Restricted Working Space, Add</i>		317.43	
40 05 23 43-1056	EA	18", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	2,344.41	596.31
		<i>For Work In Restricted Working Space, Add</i>		397.54	
40 05 23 43-1057	EA	20", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	3,125.04	834.84
		<i>For Work In Restricted Working Space, Add</i>		556.55	
40 05 23 43-1058	EA	24", 150#, Type 304 Stainless Steel Weld Neck Flange	.....	4,449.77	1,192.62
		<i>For Work In Restricted Working Space, Add</i>		795.08	
40 05 23 43-1059		300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	(40 05 23 43-1019)		
40 05 23 43-1060	EA	1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	.....	95.45	31.09
		<i>For Work In Restricted Working Space, Add</i>		20.73	
40 05 23 43-1061	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	.....	99.70	33.01
		<i>For Work In Restricted Working Space, Add</i>		22.01	
40 05 23 43-1062	EA	1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	.....	106.98	36.28
		<i>For Work In Restricted Working Space, Add</i>		24.19	
40 05 23 43-1063	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	.....	128.83	39.57
		<i>For Work In Restricted Working Space, Add</i>		26.39	
40 05 23 43-1064	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	.....	137.81	43.61
		<i>For Work In Restricted Working Space, Add</i>		29.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1065	EA		2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	150.27 32.40	48.59
40 05 23 43-1066	EA		2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	204.26 41.42	62.13
40 05 23 43-1067	EA		3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	234.42 48.50	72.74
40 05 23 43-1068	EA		4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	314.28 58.11	87.16
40 05 23 43-1069	EA		6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	422.20 72.61	108.91
40 05 23 43-1070	EA		8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	745.42 119.26	178.89
40 05 23 43-1071	EA		10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,022.78 159.02	238.52
40 05 23 43-1072	EA		12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,513.04 238.53	357.78
40 05 23 43-1073	EA		14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,923.35 278.28	417.42
40 05 23 43-1074	EA		16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,319.02 317.43	476.14
40 05 23 43-1075	EA		18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,945.14 397.54	596.31
40 05 23 43-1076	EA		20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,893.64 556.55	834.84
40 05 23 43-1077	EA		24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	5,636.84 795.08	1,192.62
40 05 23 43-1078			150#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 43-1019)		
40 05 23 43-1079	EA		1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	152.09 41.47	62.19
40 05 23 43-1080	EA		3/4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	160.94 44.02	66.01
40 05 23 43-1081	EA		1", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	176.86 48.38	72.56
40 05 23 43-1082	EA		1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	197.03 52.77	79.14
40 05 23 43-1083	EA		1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	215.01 58.16	87.24
40 05 23 43-1084	EA		2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	243.35 64.79	97.18
40 05 23 43-1085	EA		2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	314.63 82.85	124.27
40 05 23 43-1086	EA		3", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	364.58 97.00	145.49
40 05 23 43-1087	EA		4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	443.56 116.23	174.34
40 05 23 43-1088	EA		6", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	569.63 145.21	217.81
40 05 23 43-1089	EA		8", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	956.91 238.53	357.78
40 05 23 43-1090	EA		10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,311.32 318.03	477.04
40 05 23 43-1091	EA		12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,961.26 477.05	715.56
40 05 23 43-1092			300#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 43-1019)		
40 05 23 43-1093	EA		1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	159.02 41.47	62.19
40 05 23 43-1094	EA		3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	167.52 44.02	66.01
40 05 23 43-1095	EA		1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	182.06 48.38	72.56
40 05 23 43-1096	EA		1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	207.77 52.77	79.14
40 05 23 43-1097	EA		1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	225.75 58.16	87.24
40 05 23 43-1098	EA		2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	250.61 64.79	97.18
40 05 23 43-1099	EA		2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	341.67 82.85	124.27
40 05 23 43-1100	EA		3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	391.60 97.00	145.49
40 05 23 43-1101	EA		4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	480.97 116.23	174.34
40 05 23 43-1102	EA		6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	675.31 145.21	217.81
40 05 23 43-1103	EA		8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,063.63 238.53	357.78
40 05 23 43-1104	EA		10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,483.19 318.03	477.04
40 05 23 43-1105	EA		12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	2,182.34 477.05	715.56
40 05 23 43-1106			150#, Type 304 Stainless Steel Blind Flanges (40 05 23 43-1019)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1107	EA	1/2"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	42.44 8.30	12.43
40 05 23 43-1108	EA	3/4"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	44.59 8.81	13.19
40 05 23 43-1109	EA	1"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	48.55 9.68	14.51
40 05 23 43-1110	EA	1-1/4"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	59.11 10.77	16.15
40 05 23 43-1111	EA	1-1/2"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	71.73 14.55	21.82
40 05 23 43-1112	EA	2"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	82.61 16.15	24.22
40 05 23 43-1113	EA	2-1/2"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	110.12 20.77	31.15
40 05 23 43-1114	EA	3"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	142.05 29.10	43.65
40 05 23 43-1115	EA	4"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	224.71 48.49	72.73
40 05 23 43-1116	EA	6"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	300.01 62.35	93.53
40 05 23 43-1117	EA	8"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	416.11 74.21	111.31
40 05 23 43-1118	EA	10"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	589.97 89.05	133.57
40 05 23 43-1119	EA	12"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	767.78 111.31	166.97
40 05 23 43-1120	EA	14"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	971.32 139.14	208.70
40 05 23 43-1121	EA	16"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,211.83 158.72	238.07
40 05 23 43-1122	EA	18"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,454.89 198.77	298.15
40 05 23 43-1123	EA	20"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,960.90 278.28	417.42
40 05 23 43-1124	EA	24"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,840.41 397.54	596.31
40 05 23 43-1125			300#, Type 304 Stainless Steel Blind Flanges (40 05 23 43-1019)		
40 05 23 43-1126	EA	1/2"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	49.49 8.30	12.43
40 05 23 43-1127	EA	3/4"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	51.19 8.81	13.19
40 05 23 43-1128	EA	1"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	54.10 9.68	14.51
40 05 23 43-1129	EA	1-1/4"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	65.69 10.77	16.15
40 05 23 43-1130	EA	1-1/2"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	78.31 14.55	21.82
40 05 23 43-1131	EA	2"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	86.07 16.15	24.22
40 05 23 43-1132	EA	2-1/2"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	134.37 20.77	31.15
40 05 23 43-1133	EA	3"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	164.75 29.10	43.65
40 05 23 43-1134	EA	4"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	253.11 48.49	72.73
40 05 23 43-1135	EA	6"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	417.12 62.35	93.53
40 05 23 43-1136	EA	8"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	556.09 74.21	111.31
40 05 23 43-1137	EA	10"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	760.44 89.05	133.57
40 05 23 43-1138	EA	12"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,029.39 111.31	166.97
40 05 23 43-1139	EA	14"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,407.65 139.14	208.70
40 05 23 43-1140	EA	16"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,762.72 158.72	238.07
40 05 23 43-1141	EA	18"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,283.96 198.77	298.15
40 05 23 43-1142	EA	20"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,944.55 278.28	417.42
40 05 23 43-1143	EA	24"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	4,458.26 397.54	596.31
40 05 23 43-1144			150#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 43-1019)		
40 05 23 43-1145	EA	1/2"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	64.00 12.65	21.07
40 05 23 43-1146	EA	3/4"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	81.50 16.86	28.10
40 05 23 43-1147	EA	1"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	96.71 20.91	34.85
40 05 23 43-1148	EA	1-1/4"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	134.65 29.59	49.32
40 05 23 43-1149	EA	1-1/2"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	147.24 33.36	55.60

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1150	EA		2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	185.98 42.38	70.62
40 05 23 43-1151	EA		2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	280.86 65.34	108.85
40 05 23 43-1152	EA		3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	348.38 83.41	222.15
40 05 23 43-1153	EA		4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	445.48 104.54	174.18
40 05 23 43-1154			300#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 43-1019)		
40 05 23 43-1155	EA		1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	75.78 12.65	21.07
40 05 23 43-1156	EA		3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	89.82 16.86	28.10
40 05 23 43-1157	EA		1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	103.31 20.91	34.85
40 05 23 43-1158	EA		1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	153.73 29.59	49.32
40 05 23 43-1159	EA		1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	166.32 33.36	55.60
40 05 23 43-1160	EA		2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	202.26 42.38	70.62
40 05 23 43-1161	EA		2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	327.29 65.34	108.85
40 05 23 43-1162	EA		3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	390.99 83.41	222.15
40 05 23 43-1163	EA		4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	516.16 104.54	174.18
40 05 23 43-1164			150#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 43-1019)		
40 05 23 43-1165	EA		1/2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	92.66 20.73	31.09
40 05 23 43-1166	EA		3/4", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	98.66 22.01	33.01
40 05 23 43-1167	EA		1", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	109.74 24.19	36.28
40 05 23 43-1168	EA		1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	128.50 26.39	39.57
40 05 23 43-1169	EA		1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	137.48 29.08	43.61
40 05 23 43-1170	EA		2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	152.00 32.40	48.59
40 05 23 43-1171	EA		2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	206.68 41.42	62.13
40 05 23 43-1172	EA		3", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	232.69 48.50	72.74
40 05 23 43-1173	EA		4", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	298.36 58.11	87.16
40 05 23 43-1174	EA		6", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	422.90 72.61	108.91
40 05 23 43-1175	EA		8", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	695.88 119.26	178.89
40 05 23 43-1176	EA		10", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	986.39 159.02	238.52
40 05 23 43-1177	EA		12", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,473.89 238.53	357.78
40 05 23 43-1178	EA		14", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,722.98 278.28	417.42
40 05 23 43-1179	EA		16", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,096.02 317.43	476.14
40 05 23 43-1180	EA		18", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,585.99 397.54	596.31
40 05 23 43-1181	EA		20", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,426.01 556.55	834.84
40 05 23 43-1182	EA		24", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,876.28 795.08	1,192.62
40 05 23 43-1183			300#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 43-1019)		
40 05 23 43-1184	EA		1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	105.84 20.73	31.09
40 05 23 43-1185	EA		3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	110.09 22.01	33.01
40 05 23 43-1186	EA		1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	117.37 24.19	36.28
40 05 23 43-1187	EA		1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	143.06 26.39	39.57
40 05 23 43-1188	EA		1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	152.04 29.08	43.61
40 05 23 43-1189	EA		2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	167.59 32.40	48.59
40 05 23 43-1190	EA		2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	234.07 41.42	62.13
40 05 23 43-1191	EA		3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	262.49 48.50	72.74

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 23 43-1192	EA	4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	366.26	87.16
		<i>For Work In Restricted Working Space, Add</i>	58.11	
40 05 23 43-1193	EA	6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	550.75	108.91
		<i>For Work In Restricted Working Space, Add</i>	72.61	
40 05 23 43-1194	EA	8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	876.76	178.89
		<i>For Work In Restricted Working Space, Add</i>	119.26	
40 05 23 43-1195	EA	10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	1,235.52	238.52
		<i>For Work In Restricted Working Space, Add</i>	159.02	
40 05 23 43-1196	EA	12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	1,825.57	357.78
		<i>For Work In Restricted Working Space, Add</i>	238.53	
40 05 23 43-1197	EA	14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	2,377.92	417.42
		<i>For Work In Restricted Working Space, Add</i>	278.28	
40 05 23 43-1198	EA	16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	2,894.63	476.14
		<i>For Work In Restricted Working Space, Add</i>	317.43	
40 05 23 43-1199	EA	18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	3,684.67	596.31
		<i>For Work In Restricted Working Space, Add</i>	397.54	
40 05 23 43-1200	EA	20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	4,824.21	834.84
		<i>For Work In Restricted Working Space, Add</i>	556.55	
40 05 23 43-1201	EA	24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	7,000.22	1,192.62
		<i>For Work In Restricted Working Space, Add</i>	795.08	

40 05 23 43-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 43-1019)

40 05 23 43-1203	EA	1/2", 150#, Type 316 Stainless Steel Slip-On Flange	156.25	62.19
		<i>For Work In Restricted Working Space, Add</i>	41.47	
40 05 23 43-1204	EA	3/4", 150#, Type 316 Stainless Steel Slip-On Flange	167.19	66.01
		<i>For Work In Restricted Working Space, Add</i>	44.02	
40 05 23 43-1205	EA	1", 150#, Type 316 Stainless Steel Slip-On Flange	184.02	72.56
		<i>For Work In Restricted Working Space, Add</i>	48.38	
40 05 23 43-1206	EA	1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange	223.14	79.14
		<i>For Work In Restricted Working Space, Add</i>	52.77	
40 05 23 43-1207	EA	1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange	223.32	87.24
		<i>For Work In Restricted Working Space, Add</i>	58.16	
40 05 23 43-1208	EA	2", 150#, Type 316 Stainless Steel Slip-On Flange	245.41	97.18
		<i>For Work In Restricted Working Space, Add</i>	64.79	
40 05 23 43-1209	EA	2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange	313.25	124.27
		<i>For Work In Restricted Working Space, Add</i>	82.85	
40 05 23 43-1210	EA	3", 150#, Type 316 Stainless Steel Slip-On Flange	376.35	145.49
		<i>For Work In Restricted Working Space, Add</i>	97.00	
40 05 23 43-1211	EA	4", 150#, Type 316 Stainless Steel Slip-On Flange	468.50	174.34
		<i>For Work In Restricted Working Space, Add</i>	116.23	
40 05 23 43-1212	EA	6", 150#, Type 316 Stainless Steel Slip-On Flange	606.70	217.81
		<i>For Work In Restricted Working Space, Add</i>	145.21	
40 05 23 43-1213	EA	8", 150#, Type 316 Stainless Steel Slip-On Flange	1,033.47	357.78
		<i>For Work In Restricted Working Space, Add</i>	238.53	
40 05 23 43-1214	EA	10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,415.97	477.04
		<i>For Work In Restricted Working Space, Add</i>	318.03	
40 05 23 43-1215	EA	12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange	2,101.24	715.56
		<i>For Work In Restricted Working Space, Add</i>	477.05	

40 05 23 43-1216 300#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 43-1019)

40 05 23 43-1217	EA	1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange	165.95	62.19
		<i>For Work In Restricted Working Space, Add</i>	41.47	
40 05 23 43-1218	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	174.45	66.01
		<i>For Work In Restricted Working Space, Add</i>	44.02	
40 05 23 43-1219	EA	1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	188.99	72.56
		<i>For Work In Restricted Working Space, Add</i>	48.38	
40 05 23 43-1220	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	221.28	79.14
		<i>For Work In Restricted Working Space, Add</i>	52.77	
40 05 23 43-1221	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	239.26	87.24
		<i>For Work In Restricted Working Space, Add</i>	58.16	
40 05 23 43-1222	EA	2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	263.38	97.18
		<i>For Work In Restricted Working Space, Add</i>	64.79	
40 05 23 43-1223	EA	2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	371.81	124.27
		<i>For Work In Restricted Working Space, Add</i>	82.85	
40 05 23 43-1224	EA	3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	422.43	145.49
		<i>For Work In Restricted Working Space, Add</i>	97.00	
40 05 23 43-1225	EA	4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	528.78	174.34
		<i>For Work In Restricted Working Space, Add</i>	116.23	
40 05 23 43-1226	EA	6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	744.96	217.81
		<i>For Work In Restricted Working Space, Add</i>	145.21	
40 05 23 43-1227	EA	8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,135.36	357.78
		<i>For Work In Restricted Working Space, Add</i>	238.53	
40 05 23 43-1228	EA	10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,716.72	477.04
		<i>For Work In Restricted Working Space, Add</i>	318.03	
40 05 23 43-1229	EA	12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	2,388.16	715.56
		<i>For Work In Restricted Working Space, Add</i>	477.05	

40 05 23 43-1230 150#, Type 316 Stainless Steel Blind Flanges (40 05 23 43-1019)

40 05 23 43-1231	EA	1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	45.67	12.43
		<i>For Work In Restricted Working Space, Add</i>	8.30	
40 05 23 43-1232	EA	3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	50.49	13.19
		<i>For Work In Restricted Working Space, Add</i>	8.81	
40 05 23 43-1233	EA	1", 150#, Type 316 Stainless Steel Raised Face Blind Flange	56.51	14.51
		<i>For Work In Restricted Working Space, Add</i>	9.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1234	EA		1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	65.34 10.77	16.15
40 05 23 43-1235	EA		1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	77.96 14.65	21.82
40 05 23 43-1236	EA		2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	93.00 16.15	24.22
40 05 23 43-1237	EA		2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	126.41 20.77	31.15
40 05 23 43-1238	EA		3", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	160.08 29.10	43.65
40 05 23 43-1239	EA		4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	255.19 48.49	72.73
40 05 23 43-1240	EA		6", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	348.87 62.35	93.53
40 05 23 43-1241	EA		8", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	532.87 74.21	111.31
40 05 23 43-1242	EA		10", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	682.14 89.05	133.57
40 05 23 43-1243	EA		12", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,033.55 111.31	166.97
40 05 23 43-1244	EA		14", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,243.43 139.14	208.70
40 05 23 43-1245	EA		16", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,577.90 158.72	238.07
40 05 23 43-1246	EA		18", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,879.69 198.77	298.15
40 05 23 43-1247	EA		20", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,514.90 278.28	417.42
40 05 23 43-1248	EA		24", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,652.80 397.54	596.31
40 05 23 43-1249			300#, Type 316 Stainless Steel Blind Flanges (40 05 23 43-1019)		
40 05 23 43-1250	EA		1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	61.27 8.30	12.43
40 05 23 43-1251	EA		3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	62.97 8.81	13.19
40 05 23 43-1252	EA		1", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	65.88 9.68	14.51
40 05 23 43-1253	EA		1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	91.00 10.77	16.15
40 05 23 43-1254	EA		1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	103.62 14.55	21.82
40 05 23 43-1255	EA		2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	114.83 16.15	24.22
40 05 23 43-1256	EA		2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	178.74 20.77	31.15
40 05 23 43-1257	EA		3", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	209.97 29.10	43.65
40 05 23 43-1258	EA		4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	329.34 48.49	72.73
40 05 23 43-1259	EA		6", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	547.08 62.35	93.53
40 05 23 43-1260	EA		8", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	690.54 74.21	111.31
40 05 23 43-1261	EA		10", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,151.30 89.05	133.57
40 05 23 43-1262	EA		12", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,409.50 111.31	166.97
40 05 23 43-1263	EA		14", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,991.49 139.14	208.70
40 05 23 43-1264	EA		16", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,525.82 158.72	238.07
40 05 23 43-1265	EA		18", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,286.90 198.77	298.15
40 05 23 43-1266	EA		20", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	4,192.16 278.28	417.42
40 05 23 43-1267	EA		24", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	6,396.31 397.54	596.31
40 05 23 43-1268			Type 316 Seamless Annealed Tubing (40 05 23 43) Note: For high pressure air (8000 PSIG working pressure).		
40 05 23 43-1269			Type 316 Seamless Annealed Tubing (40 05 23 43-1268)		
40 05 23 43-1270	LF		3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	20.89	
40 05 23 43-1271	LF		1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	25.39	
40 05 23 43-1272	LF		3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	30.58	
40 05 23 43-1273			Type 316 Seamless Annealed Tubing Fittings (40 05 23 43-1268) Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 43-1274	EA		3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	71.94	
40 05 23 43-1275	EA		3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	73.35	
40 05 23 43-1276	EA		3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	112.27	
40 05 23 43-1277	EA		3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	59.20	
40 05 23 43-1278	EA		3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	97.91	
40 05 23 43-1279	EA		1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	77.69	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 23 43-1280	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	90.45	
40 05 23 43-1281	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	138.83	
40 05 23 43-1282	EA	1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	87.25	
40 05 23 43-1283	EA	1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	136.79	
40 05 23 43-1284	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	89.57	
40 05 23 43-1285	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	113.36	
40 05 23 43-1286	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	184.58	
40 05 23 43-1287	EA	3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	150.50	
40 05 23 43-1288	EA	3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	187.17	

40 05 23 43-1289 Valves For High Pressure Air (5,000 PSIG) (40 05 23 43-1289)**40 05 23 43-1290 Needle Valves (40 05 23 43-1290)**

40 05 23 43-1291	EA	3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge.....	306.26	
40 05 23 43-1292	EA	1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	478.34	

40 05 23 43-1293 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG (40 05 23 43-1293)

40 05 23 43-1294	EA	1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction.....	291.94	
------------------	----	--	--------	--

40 05 23 43-1295 Other Valves Working Pressure 6,000 PSI (40 05 23 43-1295)

40 05 23 43-1296	EA	1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG.....	1,163.13	
40 05 23 43-1297	EA	1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	303.06	
40 05 23 43-1298	EA	Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element.....	65.37	

40 05 71 Solids Handling Valves (40 05)**40 05 71 16 Flap Gates (40 05 71)****40 05 71 16-0001 Cast Iron, Flap Valves (40 05 71 16)**

40 05 71 16-0002	EA	3" Cast Iron, Flap Valve (Troy A25406/04-03).....	442.30	108.47
40 05 71 16-0003	EA	4" Cast Iron, Flap Valve (Troy A25406/04)	589.48	182.09
40 05 71 16-0004	EA	6" Cast Iron, Flap Valve (Troy A25406/06)	691.98	224.05
40 05 71 16-0005	EA	8" Cast Iron, Flap Valve (Troy A25406/08)	980.53	283.49
40 05 71 16-0006	EA	10" Cast Iron, Flap Valve (Troy A25406/10)	1,268.25	347.27
40 05 71 16-0007	EA	12" Cast Iron, Flap Valve (Troy A25406/12)	1,476.26	420.93
40 05 71 16-0008	EA	14" Cast Iron, Flap Valve (Troy A25406/14)	2,614.08	542.90
40 05 71 16-0009	EA	16" Cast Iron, Flap Valve (Troy A25406/16)	3,969.72	1,194.37
40 05 71 16-0010	EA	18" Cast Iron, Flap Valve (Troy A25406/18)	3,591.81	662.33
40 05 71 16-0011	EA	20" Cast Iron, Flap Valve (Troy A25406/20)	4,340.16	746.48
40 05 71 16-0012	EA	24" Cast Iron, Flap Valve (Troy A25406/24)	5,566.81	916.14
40 05 71 16-0013	EA	30" Cast Iron, Flap Valve (Troy A25406/30)	11,198.41	1,541.62

40 05 71 23 Mud Valves (40 05 71)**40 05 71 23-0001 Cast Iron, Non Rising Stem, Mud Valves (40 05 71 23)**

40 05 71 23-0002	EA	3" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/03).....	558.31	72.31
40 05 71 23-0003	EA	4" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/04).....	664.31	121.39
40 05 71 23-0004	EA	6" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/06)	734.88	149.37
40 05 71 23-0005	EA	8" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/08).....	950.78	188.99
40 05 71 23-0006	EA	10" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/10).....	1,387.25	231.51
40 05 71 23-0007	EA	12" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/12).....	1,634.86	280.61
40 05 71 23-0008	EA	14" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/14)	2,960.22	361.93
40 05 71 23-0009	EA	16" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/16).....	4,154.12	796.24
40 05 71 23-0010	EA	18" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/18).....	3,922.03	441.56
40 05 71 23-0011	EA	20" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/20).....	4,343.55	497.65
40 05 71 23-0012	EA	24" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/24)	5,494.87	610.75
40 05 71 23-0013	EA	30" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/30).....	8,634.65	1,027.74

40 05 71 23-0014 Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (40 05 71 23)

40 05 71 23-0015	EA	4" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/04CSS).....	1,105.94	121.39
40 05 71 23-0016	EA	6" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/06CSS).....	1,369.98	149.37
40 05 71 23-0017	EA	8" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/08CSS).....	2,088.91	188.99
40 05 71 23-0018	EA	10" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/10CSS).....	2,532.57	231.51
40 05 71 23-0019	EA	12" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/12CSS).....	3,300.26	280.61

40 05 71 23-0020 Cast Iron, Rising Stem, Mud Valves (40 05 71 23)

40 05 71 23-0021	EA	4" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/04)	813.98	121.39
40 05 71 23-0022	EA	6" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/06)	911.06	149.37
40 05 71 23-0023	EA	8" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/08)	1,159.70	188.99
40 05 71 23-0024	EA	10" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/10)	1,753.73	231.51
40 05 71 23-0025	EA	12" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/12)	2,269.74	280.61
40 05 71 23-0026	EA	16" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/16)	4,291.41	796.24
40 05 71 23-0027	EA	18" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/18)	4,261.49	441.56

40 05 71 23-0028 Cast 316 Stainless Steel, Rising Stem, Mud Valves (40 05 71 23)

40 05 71 23-0029	EA	4" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/04CSS)	1,286.66	121.39
40 05 71 23-0030	EA	6" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/06CSS)	1,594.18	149.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 71 23-0031	EA		8" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/08CSS)	2,124.95	188.99
40 05 71 23-0032	EA		10" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/10CSS)	2,961.91	231.51
40 05 71 23-0033	EA		12" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/12CSS)	4,141.99	280.61

40 20 Liquids Process Piping ⁽⁴⁰⁾

40 23 Water and Wastewater Process Piping ^(40 20)

40 23 51 Water and Wastewater Process Valves ^(40 23)

40 23 51 00-0001 Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valves ^(40 23 51)

40 23 51 00-0002	EA		2" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,2,F1,Ci,T,NBR*LV)	477.35	164.09
40 23 51 00-0003	EA		3" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,3,F1,Ci,T,NBR*LV)	710.54	209.54
40 23 51 00-0004	EA		4" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,Ci,T,NBR,1304G0*GS-6-HD8)	1,371.77	322.90
40 23 51 00-0005	EA		4" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,Ci,T,NBR,1304G0*GS-6-CW8)	1,526.69	322.90
40 23 51 00-0006	EA		6" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,Ci,T,NBR,1304G0*GS-6-HD8)	1,915.78	396.87
40 23 51 00-0007	EA		6" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,Ci,T,NBR,1304G0*GS-6-CW8)	2,104.05	396.87
40 23 51 00-0008	EA		8" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,Ci,T,NBR,1304G0*GS-6-HD12)	2,797.70	507.13
40 23 51 00-0009	EA		8" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,Ci,T,NBR,1304G0*GS-6-CW12)	3,025.77	507.13
40 23 51 00-0010	EA		10" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,Ci,T,NBR,1304G0*GS-12-HD12)	4,171.24	617.37
40 23 51 00-0011	EA		10" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,Ci,T,NBR,1304G0*GS-12-CW12)	4,496.13	617.37
40 23 51 00-0012	EA		14" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,Ci,T,NBR,1304G0*GS-12-HD16)	7,003.92	965.15
40 23 51 00-0013	EA		14" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,Ci,T,NBR,1304G0*GS-12-CW20)	7,425.63	965.15

40 23 51 00-0014 Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves ^(40 23 51)

40 23 51 00-0015	EA		2" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,2,F1,Ci,NBR,CR*LV)	475.02	164.13
40 23 51 00-0016	EA		3" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,3,F1,Ci,NBR,CR*LV)	707.19	209.54
40 23 51 00-0017	EA		4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,Ci,NBR,CR*GS-6-HD8)	1,238.37	322.90
40 23 51 00-0018	EA		4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,Ci,NBR,CR*GS-6-CW8)	1,424.49	322.90
40 23 51 00-0019	EA		6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,Ci,NBR,CR*GS-6-HD8)	1,732.90	396.87
40 23 51 00-0020	EA		6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,Ci,NBR,CR*GS-6-CW8)	1,921.16	396.87
40 23 51 00-0021	EA		8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,Ci,NBR,CR*GS-6-HD12)	2,491.09	507.13
40 23 51 00-0022	EA		8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,Ci,NBR,CR*GS-6-CW12)	2,718.09	507.13
40 23 51 00-0023	EA		10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,Ci,NBR,CR*GS-12-HD12)	3,870.01	617.37
40 23 51 00-0024	EA		10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,Ci,NBR,CR*GS-12-CW12)	4,097.01	617.37
40 23 51 00-0025	EA		12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,Ci,NBR,CR*GS-12-HD16)	5,057.88	749.66
40 23 51 00-0026	EA		12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,Ci,NBR,CR*GS-12-CW20)	5,477.44	749.66
40 23 51 00-0027	EA		14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,Ci,NBR,CR*GS-12-HD16)	6,402.54	965.15
40 23 51 00-0028	EA		14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,Ci,NBR,CR*GS-12-CW20)	6,824.26	965.15
40 23 51 00-0029	EA		16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,Ci,NBR,CR*GS-12-HD16)	7,660.31	1,061.66
40 23 51 00-0030	EA		16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,Ci,NBR,CR*GS-12-CW20)	8,082.03	1,061.66
40 23 51 00-0031	EA		18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,Ci,NBR,CR*GS-12-HD24)	9,956.67	1,177.47

40 Process Interconnections**40 20 Liquids Process Piping****40 23 Water and Wastewater Process Piping**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 23 51 00-0032	EA 18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-CW30)	10,313.84	1,177.47
40 23 51 00-0033	EA 20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-HD16)	13,594.84	1,327.08
40 23 51 00-0034	EA 20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-CW20)	14,003.64	1,327.08
40 23 51 00-0035	EA 24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-HD16)	23,839.10	1,628.68
40 23 51 00-0036	EA 24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-CW20)	24,247.90	1,628.68
40 23 51 00-0037	EA 30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-HD24)	33,245.92	2,740.65
40 23 51 00-0038	EA 30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-CW30)	33,736.48	2,740.65
40 23 51 00-0039	EA 36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-HD30)	50,499.04	3,654.21
40 23 51 00-0040	EA 36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-CW30)	50,702.37	3,654.21
40 23 51 00-0041	Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valves (40 23 51)		
40 23 51 00-0042	EA 3" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-HD8)	1,353.86	209.54
40 23 51 00-0043	EA 3" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-CW8)	1,574.40	209.54
40 23 51 00-0044	EA 4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-HD8)	1,548.21	322.90
40 23 51 00-0045	EA 4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-CW8)	1,769.82	322.90
40 23 51 00-0046	EA 6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-HD8)	2,376.23	396.87
40 23 51 00-0047	EA 6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-CW8)	2,597.84	396.87
40 23 51 00-0048	EA 8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-HD12)	2,922.49	507.13
40 23 51 00-0049	EA 8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-CW12)	3,191.44	507.13
40 23 51 00-0050	EA 10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-HD12)	4,651.04	617.37
40 23 51 00-0051	EA 10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-CW12)	4,919.99	617.37
40 23 51 00-0052	EA 12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-HD16)	5,517.24	749.66
40 23 51 00-0053	EA 12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-CW20)	5,863.65	749.66
40 23 51 00-0054	EA 14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-HD16)	7,198.64	965.15
40 23 51 00-0055	EA 14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-CW20)	7,542.89	965.15
40 23 51 00-0056	EA 16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-HD16)	8,475.77	1,061.66
40 23 51 00-0057	EA 16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-CW20)	8,820.03	1,061.66
40 23 51 00-0058	EA 18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-HD24)	10,772.13	1,177.47
40 23 51 00-0059	EA 18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-CW30)	11,196.00	1,177.47
40 23 51 00-0060	EA 20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*MG-WR3-HD24)	18,187.43	1,327.08
40 23 51 00-0061	EA 20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*GS-12A-CW30)	14,569.52	1,327.08
40 23 51 00-0062	EA 24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-HD24)	29,520.40	1,628.68
40 23 51 00-0063	EA 24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-CW30)	29,520.40	1,628.68
40 23 51 00-0064	EA 30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-HD24)	45,607.94	2,740.65
40 23 51 00-0065	EA 30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-CW30)	45,607.94	2,740.65
40 23 51 00-0066	EA 36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-HD24)	62,733.04	3,654.21
40 23 51 00-0067	EA 36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-CW30)	62,733.04	3,654.21
40 23 51 00-0068	Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves (40 23 51)		
40 23 51 00-0069	EA 4" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,MJ,CI,NBR,CR*NT)	935.00	323.70
40 23 51 00-0070	EA 6" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,MJ,CI,NBR,CR*NT)	1,511.91	440.98
40 23 51 00-0071	EA 8" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,MJ,CI,NBR,CR*GB-6-N)	2,537.32	503.95

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0072	EA	10" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,MJ,CI,NBR,CR*GB-6-N)	3,552.65	617.37
40 23 51 00-0073	EA	12" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,MJ,CI,NBR,CR*GB-6-N)	4,440.90	748.32
40 23 51 00-0074	EA	14" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,MJ,CI,NBR,CR*GB-12-N)	6,262.69	965.15
40 23 51 00-0075	EA	16" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,MJ,CI,NBR,CR*GB-12-N)	7,696.89	1,061.66
40 23 51 00-0076	EA	18" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,MJ,CI,NBR,CR*GB-12-N)	9,863.35	1,179.60
40 23 51 00-0077	EA	20" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,MJ,CI,NBR,CR*GB-12-N)	13,109.66	1,327.08
40 23 51 00-0078	EA	24" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,MJ,CI,NBR,CR*GB-16-N)	25,365.70	1,633.33
40 23 51 00-0079	EA	30" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,MJ,CI,NBR,CR*GB-16-N)	34,730.42	2,790.48
40 23 51 00-0080	EA	36" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,MJ,CI,NBR,CR*GB-16-N)	49,884.76	3,488.11
40 23 51 00-0081		Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves ^(40 23 51)		
40 23 51 00-0082		4" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-PC4,EPP)	4,665.21	322.90
40 23 51 00-0083		6" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-PC4,EPP)	5,137.29	396.87
40 23 51 00-0084		8" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-PC6,EPP)	5,712.56	507.13
40 23 51 00-0085		10" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-6-PC8,EPP)	6,611.97	617.37
40 23 51 00-0086		12" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-PC6,EPP)	8,426.97	749.66
40 23 51 00-0087		14" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-PC6,EPP)	10,235.12	965.15
40 23 51 00-0088		16" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-PC8,EPP)	12,036.13	1,061.66
40 23 51 00-0089		18" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-PC8,EPP)	14,091.67	1,177.47
40 23 51 00-0090		20" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-12-PC10,EPP)	17,508.61	1,327.08
40 23 51 00-0091		24" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-PC8,EPP)	32,540.17	1,628.68
40 23 51 00-0092		Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves ^(40 23 51)		
40 23 51 00-0093	EA	3" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,6000A,F1,DI,DI-S11-S2-NBR*AC)	4,962.10	209.54
40 23 51 00-0094	EA	4" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,6000A,F1,DI,DI-S11-S2-NBR*AC)	5,280.16	322.90
40 23 51 00-0095	EA	6" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,6000A,F1,DI,DI-S11-S2-NBR*AC)	6,107.10	396.87
40 23 51 00-0096	EA	8" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,6000A,F1,DI,DI-S11-S2-NBR*AC)	6,975.03	507.13
40 23 51 00-0097	EA	10" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,6000A,F1,DI,DI-S11-S2-NBR*AC)	9,779.38	617.37
40 23 51 00-0098	EA	12" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,6000A,F1,DI,DI-S11-S2-NBR*AC)	12,309.84	749.66
40 23 51 00-0099	EA	14" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,6000A,F1,DI,DI-S11-S2-NBR*AC)	19,152.93	965.15

40 Process Interconnections**40 20 Liquids Process Piping****40 23 Water and Wastewater Process Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0100	EA		16" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,6000,F1,DI,DI-S11-S2-NBR*AC).....	29,137.59	1,061.66
40 23 51 00-0101	EA		18" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,6000,F1,DI,DI-S11-S2-NBR*AC).....	29,721.27	1,177.47
40 23 51 00-0102	EA		20" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,6000,F1,DI,DI-S11-S2-NBR*AC).....	30,346.12	1,327.08
40 23 51 00-0103	EA		24" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,6000,F1,DI,DI-S11-S2-NBR*AC).....	34,717.59	1,628.68
40 23 51 00-0104			Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves (40 23 51)		
40 23 51 00-0105	EA		2" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,2,250A,F1,DIF,DI-S1-S2-NBR*LV).....	862.48	164.09
40 23 51 00-0106	EA		3" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,250A,F1,DIF,DI-S1-S2-NBR*LV).....	1,034.35	209.54
40 23 51 00-0107	EA		4" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,250A,F1,DIF,DI-S1-S2-NBR*LV).....	1,478.28	322.90
40 23 51 00-0108	EA		6" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,250A,F1,DIF,DI-S1-S2-NBR*LV).....	1,986.79	396.87
40 23 51 00-0109	EA		8" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,250A,F1,DIF,DI-S1-S2-NBR*LV).....	2,843.96	507.13
40 23 51 00-0110	EA		10" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,250A,F1,DIF,DI-S1-S2-NBR*LV).....	4,233.63	617.37
40 23 51 00-0111	EA		12" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,250A,F1,DIF,DI-S1-S2-NBR*LV).....	6,172.40	749.66
40 23 51 00-0112	EA		14" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,250A,F1,DIF,DI-S1-S2-NBR*LV).....	9,529.89	965.15
40 23 51 00-0113			16" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,250A,F1,DIF,DI-S1-S1-NBR*LV).....	11,691.34	1,061.66
40 23 51 00-0114			18" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,250A,F1,DIF,DI-S1-S1-NBR*LV).....	14,069.46	1,177.47
40 23 51 00-0115			20" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,250A,F1,DIF,DI-S1-S1-NBR*LV).....	16,491.97	1,327.08
40 23 51 00-0116			24" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,250A,F1,DIF,DI-S1-S1-NBR*LV).....	23,715.38	1,628.68
40 23 51 00-0117			Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valves (40 23 51)		
40 23 51 00-0118	EA		2" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,2,HD,F1,S2,SMP,S2-M*MN-HD8-CS).....	929.18	164.13
40 23 51 00-0119	EA		3" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,3,HD,F1,S2,SMP,S2-M*MN-HD8-CS).....	1,056.95	209.54
40 23 51 00-0120	EA		4" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,4,HD,F1,S2,SMP,S2-M*MN-HD8-CS).....	1,347.03	322.90
40 23 51 00-0121	EA		6" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,6,HD,F1,S2,SMP,S2-M*MN-HD12-CS).....	1,683.41	396.87
40 23 51 00-0122	EA		8" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,8,HD,F1,S2,SMP,S2-M*MN-HD12-CS).....	2,185.57	507.13
40 23 51 00-0123	EA		10" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,10,HD,F1,S2,SMP,S2-M*MN-HD16-CS).....	3,073.92	617.37
40 23 51 00-0124	EA		12" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,12,HD,F1,S2,SMP,S2-M*MN-HD16-CS).....	4,045.55	749.66
40 23 51 00-0125	EA		14" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,14,HD,F1,S2,SMP,S2-M*MN-HD20-CS).....	5,056.72	965.15
40 23 51 00-0126	EA		16" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,16,HD,F1,S2,SMP,S2-M*MN-HD20-CS).....	6,337.08	1,061.66
40 23 51 00-0127	EA		18" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,18,HD,F1,S2,SMP,S2-M*MN-HD20-CS).....	8,883.03	1,177.47

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0128	EA		20" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,20,HD,F1,S2,SMP,S2-M*MN-HD20-CS)	10,550.33	1,327.08
40 23 51 00-0129	EA		24" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,24,HD,F1,S2,SMP,S2-M*MN-HD20-CS)	15,301.55	1,628.68
40 23 51 00-0130			Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valves ^(40 23 51)		
40 23 51 00-0131	EA		1" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,1,2,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	4,374.16	92.32
40 23 51 00-0132	EA		2" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,2,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	4,610.57	164.09
40 23 51 00-0133	EA		3" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,3,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	5,560.25	209.54
40 23 51 00-0134	EA		4" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,4,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	6,066.57	322.90
40 23 51 00-0135			Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valves ^(40 23 51)		
40 23 51 00-0136			2" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,2,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4)	3,120.59	164.09
40 23 51 00-0137			4" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,4,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4)	5,197.32	322.90
40 23 51 00-0138			6" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,6,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6)	7,060.26	396.87
40 23 51 00-0139			8" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,8,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6)	9,173.96	507.13
40 23 51 00-0140			10" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,10,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	12,322.57	617.37
40 23 51 00-0141			12" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,12,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	18,547.33	749.66
40 23 51 00-0142			14" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,14,F1S,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	27,335.46	965.15
40 23 51 00-0143			16" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,16,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	44,356.93	1,061.66
40 23 51 00-0144			18" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,18,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	52,225.93	1,177.47
40 23 51 00-0145			20" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,20,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	66,346.69	1,327.08
40 23 51 00-0146			Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valves ^(40 23 51)		
40 23 51 00-0147	EA		2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2,L1,S2,TC,S2-S5A-FT-TT*LT)	1,215.35	164.09
40 23 51 00-0148	EA		2-1/2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2.5,L1,S2,TC,S2-S5A-FT-TT*LT)	1,314.68	178.50
40 23 51 00-0149	EA		4" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	2,028.01	322.90
40 23 51 00-0150	EA		4" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	2,134.52	322.90
40 23 51 00-0151	EA		6" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	2,801.17	396.87
40 23 51 00-0152	EA		6" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	2,907.67	396.87
40 23 51 00-0153	EA		8" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	3,581.96	507.13
40 23 51 00-0154	EA		8" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	3,688.46	507.13
40 23 51 00-0155	EA		10" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	4,974.86	617.37
40 23 51 00-0156	EA		10" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	5,081.36	617.37

40 Process Interconnections**40 20 Liquids Process Piping****40 23 Water and Wastewater Process Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 23 51 00-0157	EA	12" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	6,362.82	749.66
40 23 51 00-0158	EA	12" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	6,470.40	749.66
40 23 51 00-0159	EA	14" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	8,887.64	965.15
40 23 51 00-0160	EA	14" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	8,994.15	965.15
40 23 51 00-0161	EA	16" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD16)	11,338.47	1,061.66
40 23 51 00-0162	EA	16" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20)	11,505.22	1,061.66
40 23 51 00-0163	EA	18" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24)	14,737.53	1,177.47
40 23 51 00-0164	EA	18" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20)	14,905.35	1,177.47
40 23 51 00-0165	EA	20" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24)	17,611.88	1,327.08
40 23 51 00-0166	EA	20" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-16-CW30)	18,134.72	1,327.08
40 23 51 00-0167	EA	24" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-HD16)	29,681.77	1,628.68
40 23 51 00-0168	EA	24" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-CW20)	30,036.78	1,628.68
40 23 51 00-0169	EA	30" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30)	52,905.09	2,740.65
40 23 51 00-0170	EA	30" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik HP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30)	53,108.42	2,740.65
40 23 51 00-0171	EA	36" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30)	72,649.76	3,654.21
40 23 51 00-0172	EA	36" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30)	72,853.09	3,654.21

40 23 51 00-0173 Plug, Bearings And Packing, Plug Valve Rebuild Kits (40 23 51)

40 23 51 00-0174		2" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	267.85	
40 23 51 00-0175		4" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	715.97	
40 23 51 00-0176		6" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	900.65	
40 23 51 00-0177		8" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,066.20	
40 23 51 00-0178		10" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	2,364.26	
40 23 51 00-0179		12" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	2,866.47	
40 23 51 00-0180		14" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	4,785.93	
40 23 51 00-0181		16" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	4,272.84	

40 23 51 00-0182 Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valves (40 23 51)

40 23 51 00-0183	EA	3" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	2,249.25	192.61
40 23 51 00-0184	EA	4" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	2,729.97	322.90
40 23 51 00-0185	EA	6" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	3,129.72	396.87
40 23 51 00-0186	EA	8" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	3,902.01	507.13
40 23 51 00-0187	EA	10" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	5,178.62	617.37
40 23 51 00-0188	EA	12" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	7,139.87	749.66
40 23 51 00-0189	EA	14" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	10,346.86	965.15
40 23 51 00-0190	EA	16" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	11,605.92	1,061.66
40 23 51 00-0191	EA	18" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	13,995.55	1,177.47
40 23 51 00-0192	EA	20" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	14,969.50	1,327.08
40 23 51 00-0193	EA	24" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	27,118.78	1,628.68

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

40 23 51 00-0194	Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valves <small>(40 23 51)</small>	
40 23 51 00-0195 EA	3" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	1,612.59 192.61
40 23 51 00-0196 EA	4" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	2,064.27 322.90
40 23 51 00-0197 EA	6" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	2,419.69 396.87
40 23 51 00-0198 EA	8" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	3,305.58 507.13
40 23 51 00-0199 EA	10" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	4,525.39 617.37
40 23 51 00-0200 EA	12" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	5,886.67 749.66
40 23 51 00-0201 EA	14" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	9,800.14 965.15
40 23 51 00-0202 EA	16" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	11,034.35 1,061.66
40 23 51 00-0203 EA	18" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	13,209.79 1,177.47
40 23 51 00-0204 EA	20" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	14,132.85 1,327.08
40 23 51 00-0205 EA	24" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	24,401.74 1,628.68
40 23 51 00-0206	125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valves <small>(40 23 51)</small>	
40 23 51 00-0207 EA	3" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX).....	5,322.48 192.61
40 23 51 00-0208 EA	4" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX).....	5,618.60 322.90
40 23 51 00-0209 EA	6" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX).....	7,344.92 396.87
40 23 51 00-0210 EA	8" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX).....	8,614.22 507.13
40 23 51 00-0211 EA	10" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX).....	12,439.84 617.37
40 23 51 00-0212 EA	12" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX).....	15,464.95 749.66
40 23 51 00-0213	Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valves <small>(40 23 51)</small>	
40 23 51 00-0214 EA	3" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	1,372.28 192.61
40 23 51 00-0215 EA	4" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	1,661.77 322.90
40 23 51 00-0216 EA	6" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	2,507.90 396.87
40 23 51 00-0217 EA	8" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	2,816.59 507.13
40 23 51 00-0218 EA	10" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	3,388.23 617.37
40 23 51 00-0219 EA	12" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	4,774.21 749.66

END OF SECTION 40

40 Process Interconnections

40 20 Liquids Process Piping

40 23 Water and Wastewater Process Piping

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**

This Page Intentionally Left Blank

www.gordian.com
855.467.9444

30 Patewood Drive, Suite 350
Greenville, South Carolina 29615

G **RDIAN**[®]